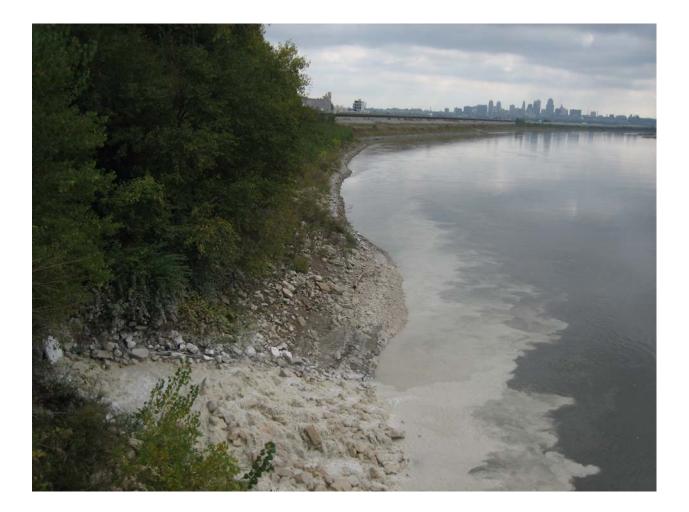


User Guide to the Docket for the 2005 and 2006 Annual Reviews and the 2006 Effluent Guidelines Program Plan



DCN 04142 EPA Docket Number EPA-HQ-OW-2004-0032 (www.regulations.gov)

December 2006

#### 1.0 OVERVIEW

Under the Clean Water Act (CWA), EPA establishes technology-based national regulations, termed "effluent limitations guidelines and standards," to reduce pollutant discharges from categories of industrial facilities to waters of the United States. Under the CWA, EPA similarly establishes technology-based regulations, termed "pretreatment standards" to reduce indirect pollutant discharges from industrial facilities to waters of the United States.

The CWA also specifies effluent guideline planning and review requirements. There are different requirements for direct and indirect dischargers, but both specify annual review of promulgated effluent guidelines and pretreatment standards. For direct dischargers, the CWA requires EPA to publish an Effluent Guidelines Program Plan every two years after allowing for public review and comment on the plan prior to final publication.

This document provides information on the documents and analyses in the docket supporting the annual reviews and the 2006 Effluent Guidelines Program Plan. See the following **Federal Register** notices presenting EPA's annual reviews and the preliminary and final 2006 Effluent Guidelines Program Plans, 71 Fed. Reg. 76644 (21 December 2006) and 70 Fed. Reg. 51042 (29 August 2005), respectively.

#### 2.0 BACKGROUND INFORMATION ON THE DOCKET

What is the Docket and How Can I Gain Access to It?

Docket ID No. EPA-HQ-OW-2004-0032 is the official docket for EPA's 2006 Effluent Guidelines Program Plan and its 2005 and 2006 annual reviews of existing effluent limitations guidelines. The official docket consists of the documents specifically referenced in the Federal Register notices of these actions, any public comments received, and other related information. Although it is a part of the official docket, Confidential Business Information (CBI) or other information whose disclosure is restricted by statute is not included in the materials available to the public.

The official public docket is the collection of electronic and hard copy materials that is available for public viewing at the Water Docket in the EPA Docket Center, (EPA/DC), located in the EPA Headquarters Library, EPA West, Room Number 3334, 1301 Constitution Ave., NW, Washington, DC. An electronic version of the public docket is available through a federal-wide electronic docket management system located at <u>www.regulations.gov</u>.

You may use the Regulations.gov web site to view public comments, access a listing of the contents of the official docket, and to access those documents in the public docket that are available electronically. Certain documents are not available in the electronic docket system. These documents include but are not limited to copyright-protected material and physical objects such as maps, aerial photographs, colored charts, etc. Although not all docket materials may be available electronically, you may still access any of the publicly available docket materials at the EPA Docket Center.

# How is the Docket for EPA's 2006 Effluent Guidelines Program Plan related to the Docket for the 2004 Effluent Guidelines Program Plan?

The CWA requires EPA to publish an Effluent Guidelines Program Plan every two years after allowing for public review and comment on the plan prior to final publication. Documents supporting the 2004 Effluent Guidelines Program Plan and the 2003 and 2004 annual reviews of existing effluent limitations guidelines are located in Docket ID No. EPA-HQ-OW-2003-0074. This docket (Docket ID No. EPA-HQ-OW-2003-0074) is incorporated by reference into the docket for the 2006 Plan and the 2005 and 2006 annual reviews of existing effluent limitations guidelines (Docket ID No. EPA-HQ-OW-2004-0032). See EPA-HQ-OW-2004-0032-0677, in Section 6.1. This means that all of the documents in the docket supporting the 2004 Plan and the 2003 and 2004 annual reviews also support the 2006 Plan and the 2005 and 2006 annual reviews.

## 3.0 Accessing Information in the Docket

#### How do I Find Documents in the Docket?

#### Water Docket in the EPA Docket Center

The official public docket is the collection of electronic and hard copy materials that is available for public viewing at the Water Docket in the EPA Docket Center, (EPA/DC), located in the EPA Headquarters Library, EPA West, Room Number 3334, 1301 Constitution Ave., NW, Washington, DC. The Public Reading Room is open from 8:30 a.m. to 4:30 p.m., Monday through Friday, excluding legal holidays. The telephone number for the Public Reading Room is (202) 566–1744, and the telephone number for the Water Docket is (202) 566–2426. You can also contact the Water Docket via e-mail: OW-Docket@epa.gov.

#### Regulations.gov

You will find instructions for using Regulations.gov on its Internet home page. Regulations.gov provides limited electronic search capabilities. After specifying the docket identification number (EPA-HQ-OW-2004-0032), the electronic docket system presents a listing of the contents of the official docket. The listing includes the Document ID Number (e.g., EPA-HQ-OW-2004-0032-0001), Document Title (e.g., "Notice of Availability of 2004 Effluent Guidelines Program Plan"), Date Posted (e.g., 09/02/2004"), and Document Type (e.g., "Notice").

You can use the Regulations.gov advanced search tools to search for documents using all or a portion of the document title or its full Regulations.gov Document ID Number. You can also search the specified docket for selected Document Types (e.g., public submission). Finally, you can use Regulations.gov advanced search tools and a Document Control Number (DCN) to retrieve a particular document. Specifically, from the main Regulations.gov webpage you will select "Document Search" from the "Advanced Search" drop-down listing. Next, key in "EPA-HQ-OW-2004-0032" in the **Document ID** field and the Document Control Number (DCN) (e.g. "DCN 03402") in the **Document Title** field in order to retrieve your document.

#### What is the Docket EPA-HQ-OW-2004-0032 Subject Outline?

EPA has prepared a *subject outline* of the documents included in EPA-HQ-EPA-HQ-OW-2004-0032 to help you locate documents that address related topics or subjects. The subject outline for EPA-HQ-OW-2004-0032 is provided in Attachment 1. Each section of the subject outline contains one or more documents that relate to a particular subject or topic. With the exception of public submissions, each document in the docket has been assigned to an outline section.

#### What is the Docket EPA-HQ-OW-2004-0032 Subject Index?

The docket EPA-HQ-OW-2004-0032 *subject index* is a list of documents in the docket, sorted by subject outline section. Each document in the docket has two document identification numbers. One is the Regulations.gov Document ID Number (e.g., EPA-HQ-OW-2004-0032-2348) that was assigned when EPA added the document to the official docket. The second is the document control number (DCN) that was assigned during the development of the document (e.g., DCN 03402). In documents prepared for the docket, EPA typically identified references by their DCN. The DCN appears at the end of the document titles in the **Document Title** field listed in Regulations.gov (e.g., "Technical Support Document for the 2006 Effluent Guidelines Program Plan [EPA-821R-06-018] [DCN 03402]"). Public Submissions (comments) that were submitted directly to the docket by the public do not have DCNs and are not included in the *subject index*. You can find these documents by searching for Document Type "Public Submission" using the Regulations.gov search tools. A list of public comments on the 2005 and 2006 annual reviews and the preliminary 2006 Plan is also presented in Attachment 2.

The subject index summarizes certain information for each document, including the subject outline section, Regulations.gov Document ID Number, DCN, document title, author, and abstract. Documents added to the docket before EPA-HQ-OW-2004-0032-1106 (i.e., with document numbers lower than 1106) were migrated into Regulations.gov from a predecessor electronic docket system (E-docket). The index entries for these documents have a slightly different format. For example, *subject index* entries for these earlier docket entries do not include an abstract and may not include the DCN in the document title.

The subject index for the docket includes the following fields in order of appearance:

Field Name	Description
Subject Outline Section	Section number from docket outline
DCN	Unique document control number (DCN) assigned during the development of the document
Document Sub-type	Sub-type of supporting and related materials
Title	Title of document
Abstract	Additional description of document
Pages	Number of pages in document
Author	Author of document (Last name, first full name)
Author Date	Date of publication, issue, edition, or version. Actual date of meeting or telephone call.
Source Citation	For copyright protected documents, this is a bibliographic citation (without title or author) that you can use to find the document in a library. For materials retrieved from the Internet, Source Citation lists the URL.
Category/Industry	Name for a category with existing guidelines or name for industry without existing guidelines
Copyrighted	(Checked ✓if Yes) - Materials that are copyright protected (e.g., books and other published material). These documents are not available through Regulations.gov but are only available in hard copy at the EPA Docket Center.
СВІ	Confidential Business Information (Yes/No). CBI is not available to the public.
Regulations.gov Document ID Number	Unique document number assigned when EPA added the document to the official docket. The Document ID Number includes the Docket Number followed by a consecutive document number.

#### How do I use the Subject Listing to Find Documents in the Docket?

Review the subject outline to determine which section may contain the documents of interest. Then, locate documents for that section in the index and note their Regulations.gov Document ID Number. Documents available electronically can be accessed through Regulations.gov. Other documents can be reviewed at the Water Docket in the EPA Docket Center in Washington, DC. See information on the Water Docket above. You may also be able to locate copyright protected materials (for example, articles from technical publications) at an academic or public library.

#### **Confidential Business Information**

The docket contains some documents that contain confidential business information (CBI). CBI documents are not available for review by the public, and are not filed in the Water

Docket in the EPA Docket Center. Some documents are classified as CBI because companies providing the information specifically claimed certain information (e.g., operating or financial data) as CBI. Other documents are classified as CBI because release of these documents could indirectly reveal information claimed to be confidential.

#### Documents Cited in the Federal Register Notice and Other Key Documents

Documents cited in the final 2006 Plan (21 December 2006; 71 FR 76644) are listed in Attachment 3, with their Regulations.gov Document ID Number. Key supporting documents are also available on EPA's Effluent Guidelines Program Planning webpage: http://epa.gov/guide/plan.html.

## 4.0 FURTHER INFORMATION

The primary contact regarding questions or comments on Docket ID No. EPA-HQ-OW-2004-0032 and the 2005 and 2006 annual reviews and the preliminary 2006 Plan is:

Mr. Carey A. Johnston, P.E. U.S. EPA Engineering and Analysis Division (4303T) 1200 Pennsylvania Avenue NW Washington, DC 20460

(202) 566-1014 (telephone) (202) 566-1053 (fax) johnston.carey@epa.gov Attachment 1:

Subject Outline for the 2005 and 2006 Annual Reviews and the 2006 Effluent Guidelines Program Plan Docket EPA-HQ-OW-2004-0032

#### 2005 and 2006 Annual Reviews and 2006 Effluent Guidelines Program Plan Docket Subject Outline

#### Docket EPA-HQ-OW-2003-0074

The following sections include the docket materials for the 2004 Effluent Guidelines Program Plan.

- 1 Docket OW-2003-0074: Background Documents (*includes TSD and appendices*)
- 2 Docket OW-2003-0074: Screening Level Review (supporting 2004 Plan)
- 3 Docket OW-2003-0074: Industry Rankings
- 4 Docket OW-2003-0074: Public Comments

#### Docket EPA-HQ-OW-2004-0032

The following sections organize the docket and project file materials for the 2006 Effluent Guidelines Program Plan.

5 No entries

#### 6 Federal Register Notices, Outreach Materials, and Other Background Documents

- 6.1 Docket OW-2003-0074, by reference
- 6.2 Federal Register Notices
- 6.3 Outreach Efforts
- 6.4 Technical Support Document and Appendices

#### 7 Public and Inter-Agency Comments

- 7.1 Public Comments on the 2004 Effluent Guidelines Program Plan EPA solicited comments on the final plan, any comments received were indexed in this section.
- 7.2 Public Comments on the Preliminary 2006 Effluent Guidelines Program Plan
- 7.3 Inter-Agency Review Comments Section for comments from other government agencies, e.g., Department of Energy

#### 8 CWA §304(g) Review

*Review of the pretreatment standards for industrial point source categories composed entirely or almost entirely of indirect dischargers.* 

- 8.1 Food Service Establishments
- 8.2 Industrial Laundries
- 8.3 Photoprocessing

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- 8.4 Printing and Publishing
- 8.5 Health Services Industries
  - 8.5.1 Independent and Stand-alone Medical and Dental Laboratories
  - 8.5.2 Offices and Clinics of Doctors of Medicine
  - 8.5.3 Offices and Clinics of Dentists
  - 8.5.4 Nursing and Personal Care Facilities
  - 8.5.5 Veterinary Care Services
  - 8.5.6 Hospitals and Clinics
  - 8.5.7 Health Services Industries Economic Information
- 8.6 Independent and Stand-alone Laboratories
- 8.7 Industrial Container and Drum Cleaning (ICDC)

#### 9 Screening-Level Review for 2006 Plan

Screening-level review of existing guideline in support of the 2006 Effluent Guidelines Program Plan

- 9.1 Analyses of the Toxics Release Inventory
- Plan, database, QC (including telecons) for <u>TRIReleases2002</u> and <u>TRIReleases2003</u>
  9.2 Analyses of Permit Compliance System data Plan, database, OC checks (including telecons) for PCSLoads2002
- 9.3 Other Screening-Level Data Sources
- 9.4 Screening-Level Review Reports QA Project Plan for TRI and PCS Analysis, 2005 Screening-Level Analysis Report Nutrients Memo
- 9.5 Toxic Weighting Factor Development

#### 10 Existing Guidelines and Standards Review

Further review based on National Strategy Factors, of industries with existing guidelines and standards, identified during screening-level review. The National Strategy Factors are: 1) human health and environment hazards; 2) technology innovation and process changes; 3) economics; and 4) implementation and efficiency considerations.

#### 10.1 Preliminary Review Reports

Review of Prioritized Categories of Industrial Dischargers

All existing categories are listed below. <u>Potential new subcategories are included with their</u> <u>parent category</u>. If no materials specific to a category are collected, there will be no entries in the section. Documents related to detailed studies are not included here, but in individual sections, following Section 11.

- 10.2 Aluminum Forming, Part 467
- 10.3 Aquatic Animal Production Industry, Part 451
- 10.4 Asbestos Manufacturing, Part 427
- 10.5 Battery Manufacturing, Part 461

- 10.6 Centralized Waste Treaters, Part 437
- 10.7 Canned and Preserved Seafood, Part 408
- 10.8 Carbon Black Manufacturing, Part 458
- 10.9 Cement Manufacturing, Part 411
- 10.10 Coal Mining, Part 434
- 10.11 Coil Coating, Part 465
- 10.12 Concentrated Animal Feeding Operations, Part 412
- 10.13 Copper Forming, Part 468
- 10.14 Dairy Products Processing, Part 405
- 10.15 Electrical and Electronic Components, Part 469
- 10.16 Electroplating, Part 413
- 10.17 Explosives, Part 457
- 10.18 Ferroalloy Manufacturing, Part 424
- 10.19 Fertilizer Manufacturing, Part 418
- 10.20 Fruits and Vegetable Processing, Part 407
- 10.21 Glass Manufacturing, Part 426
- 10.22 Grain Mills Manufacturing, Part 406
- 10.23 Gum and Wood Chemicals, Part 454
- 10.24 Hospitals Part 460
- 10.25 Ink Formulating, Part 447
- 10.26 Inorganic Chemicals, Part 415
- 10.27 Iron and Steel Manufacturing, Part 420
- 10.28 Landfills, Part 445
- 10.29 Leather Tanning and Finishing, Part 425
- 10.30 Meat and Poultry Products, Part 432
- 10.31 Metal Finishing, Part 433
- 10.32 Metal Molding and Casting (Foundries), Part 464
- 10.33 Metal Products and Machinery, Part 438
- 10.34 Mineral Mining and Processing, Part 436
- 10.35 Nonferrous Metals Forming and Metal Powders, Part 471
- 10.36 Nonferrous Metals Manufacturing, Part 421
- 10.37 Oil & Gas Extraction, Part 435
- 10.38 Ore Mining and Dressing, Part 440
- 10.39 Organic Chemicals, Plastics and Synthetic Fibers, Part 41410.39.1 Chemical Formulating, Packaging and Repackaging
- 10.40 Paint Formulating, Part 446
- 10.41 Paving and Roofing Materials (Tars and Asphalt), Part 443
- 10.42 Pesticide Chemicals Manufacturing, Formulation and Repackaging, Part 455
- 10.43 Petroleum Refining, Part 419 10.43.1Petroleum Bulk Stations and Terminals (PBST)
- 10.44 Pharmaceutical Manufacturing, Part 439
- 10.45 Phosphate Manufacturing, Part 422
- 10.46 Photographic, Part 459
- 10.47 Plastic Molding and Forming, Part 463
- 10.48 Porcelain Enameling, Part 466
- 10.49 Pulp, Paper, and Paperboard, Part 430
- 10.50 Rubber Manufacturing, Part 428

- 10.51 Soaps and Detergents Manufacturing, Part 417
- 10.52 Steam Electric Power Generation, Part 423
- 10.53 Sugar Processing, Part 409
- 10.54 Textile Mills, Part 410
- 10.55 Timber Products Processing, Part 429
- 10.56 Transportation Equipment Cleaning, Part 442
- 10.57 Waste Combustors (Commercial Incinerators Combusting Hazardous Waste), Part 444

#### 11 Review of Industries Without Existing Guidelines

- 11.1 Airport Deicing Operations
- 11.2 Prisons
- 11.3 Water Supply (Drinking Water Treatment)
- 11.4 Miscellaneous Foods and Beverages
  - 11.4.1 Distilled and Blended Liquor
  - 11.4.2 Malt Beverages
  - 11.4.3 Soybean Oil Mills
  - 11.4.4 Miscellaneous Foods and Beverages Economic Information

#### 12 Water Pollution Control Technologies, Water Reuse, Water Conservation

Includes information about pollution prevention, wastewater treatment, and other wastewater pollution control technologies that applies to multiple point source categories. Technologies or case studies that focus on one category are included in the section for the category or detailed study.

12.1 OCPSF Water Conservation Issues

#### 13 Steam Electric Power Generation Detailed Study

- 13.1 Study Plans
- 13.2 Industry Profile
  - 13.2.1 Permit Review
- 13.3 NPDES Permits
- 13.4 Site Visits, Sampling, and Analysis
- 13.5 Pollution Control Technologies and Their Costs
- 13.6 Industry Surveys
- 13.7 Detailed Study Reports

#### 14 Tobacco Products Processing Detailed Study

- 14.1 Study Plans
- 14.2 Industry Profile
- includes information on companies and individual plants
- 14.3 Site Visits, Sampling and Analysis *includes pre-sampling telephone contact reports*
- 14.4 Pollution Control Technologies and their Costs
- 14.5 Detailed Study Reports

# 14.6 Tobacco Products Economic Information

# 15 Pulp, Paper, and Paperboard Detailed Study

15.1	Study Plans
	Detailed Study Plan
15.2	Industry Information
	15.2.1 Pulp and Paper Industry Economic Information
15.3	Quality Review
15.4	NPDES Permits (Includes factsheets and communication from mills that defined outfalls)
	15.4.1 Phase I mill permits
	15.4.2 Phase II mill permits
15.5	Detailed Study Reports

Attachment 2

COMMENTS ON THE 2005 AND 2006 ANNUAL REVIEWS AND THE PRELIMINARY 2006 EFFLUENT GUIDELINES PROGRAM PLAN

# Comments on the 2005 and 2006 Annual Reviews and the Preliminary 2006 Effluent Guidelines Program Plan EPA Docket Number: EPA-HQ-OW-2004-0032

No.	Commenter Name	Regulations.gov Number	Comment Summary
1	Chris Sproul Environmental Advocates	1088	Effluent Guidelines Program Plan violates CWA requirements.
2	Melanie Shepherdson Natural Resources Defense Council	1090	General comments on effluent guidelines planning process and industry-specific information. Focus is on industries without ELGs or pretreatment standards.
3	Albert Ettinger Environmental Law and Policy Center of the Midwest	1075 (duplicate at 1071 and 1066)	Questions use of TRI and PCS databases. EPA needs to better assess the toxicity of coal mining wastewaters. ELGs are justified for coal fired power plants and drinking water treatment facilities. EPA should focus its review on nutrients. EPA should set pretreatment standards on aklylphenol ethoxylates (used in industrial cleaners).
4	Doug Mendoza Metropolitan St. Louis Sewer District, MO	1038	Provides DMR data for the rubber, inorganic chemical, industrial laundries, pesticides, and transportation equipment cleaning point source categories. Also provides names, addresses, and SIC codes of miscellaneous food and beverage facilities.
5	L. Kinman Des Moines Water Works, IA	1040	Supports designation of CWT for CAFOs. Drinking water: water utility should not be regulated if a contaminant is removed and ultimately returned to the same source.
6	Don Theiler King County Wastewater Treatment Division, WA	1042	Supports EPA conclusions that food service, laundries, printing and publishing, and photoprocessing don't need categorical pretreatment standards. Health services: worked extensively with dentists and hospitals. Developed effective rules at local levels; significantly reduced mercury discharges from dentists; additional efforts not justified. Waste and waste disposal practices change rapidly. Established a Laboratory Waste Management Guide with BMPs. Categorical standards are not the correct approach. Recommends BMPs and possibly control documents. Information on dentists and hospitals including BMP guidance.

		Regulations.gov	
No.	Commenter Name	Number	Comment Summary
7	Beverly B. Head Metropolitan Sewer District of Greater Cincinnati, Ohio	1051 (duplicate at 1085)	Provides information on cogeneration and coverage under steam electric, recommending cogeneration facilities continue to be regulated under local limits or categorical requirements for the primary processes. Water conservation: EPA should develop a policy that will not lower mass-based limits for those employing water conservation. By industrial category, provides a list of the number of facilities, type of treatment, and remaining pollutants. Provides information on how they classify various industries, including health services. POTW pass-through analysis: supports TWPE approach to pass through; recommends considering color and foam as pollutants. Provides information on elevated levels of certain chemicals in laundries, ICDC, and OCPSF. Says that the headspace analysis requirement reduces risk of pass through and interference. EPA should not issue last-minute changes as it did with CWT.
8	Sherry E. Bagwell City of Winston-Salem, NC	1061	City regulates three tobacco processing facilities with no problems; continues to regulate at the local level; submitted data on flows, treatment technologies in place, and some metals monitoring data.
9	Bernie Strohmeyer Hampton Roads Sanitation District, Virginia	1086	No new PSES categories necessary. Comment on need for new POTW study as well as some suggestions about current study. Comments on pulp and paper and steam electric ELGs. Information and comments on tobacco and health services industries. Stakeholder involvement early in process is critical. No new PSES categories necessary. Flow-normalized mass-based permit limits: adopt flow-normalized mass-based permit limits for all indirect dischargers to encourage water conservation. Strategy: agrees with risk approach; focus on revising of existing ELGs, not development of new ones; good opportunity for collaboration; and agrees with 4 factors (especially that the first one is key). Technology: consider financial incentives or tax breaks for companies that develop innovative technologies. Trading: allow effluent trading for indirect dischargers.
10	Richard Lanyon Metropolitan Water Reclamation District of Greater Chicago	1078	Provides information on SIUs in their region that fall within the detailed and preliminary study categories. No data on loads or discharges. New PSES categories are unnecessary unless permitting authorities request guidance.

No.	Commenter Name	Regulations.gov Number	Comment Summary
11	Mary Boatman Minerals Management Service	1056 (duplicate at 1044 & OW- 2002-0020-0070)	Recommends setting effluent guidelines for "open-loop" LNG import terminals.
12	Thomas Bigford NOAA Fisheries Service	1094	Recommends setting effluent guidelines for "open-loop" LNG import terminals.
13	Gary Valasek Intercontinental Chemical Corporation	0002	Provides information on potential Chemical Formulating, Packaging, and Repackaging subcategory of OCPSF ELG.
14	Roger E. Claff American Petroleum Institute	0005 & 0006	Recommends that EPA continue to use the 4-factor strategy to screen new and existing industrial categories for new or revised effluent guidelines. Provided suggestions for improving EPA's strategy for selecting industries, and concurs with EPA's decision not to select the petroleum refining effluent guidelines for revision.
15	G. H. Holliday Holliday Environmental Services	0007 through 0011	EPA should clarify the Oil and Gas Extraction Point Source Category (40 CFR 435), Offshore Subcategory BAT and NSPS requirements for the sediment toxicity test for certain synthetic base drilling fluids. Believes these requirements are not demonstrated, and the variability inherent in the test method makes it inappropriate as the basis for regulatory compliance.
16	Stephan von Tapavicza Cognis Oilfield Chemicals	1041	Provides information on an ester-based synthetic-based drilling fluid.
17	Timothy P. Gaughan Arkema Inc	1045 & 1046	Provides information on OCPSF and mass-limits issue re: water conservation.
18	Lindlief Hall Tongue River Water Users' Association	1048 (duplicate at 1050)	Recommends ELGs for Coal Bed Methane (CBM).
19	Gregory E. Conrad Interstate Mining Compact Commission (IMCC)	1055 & 1057	Recommends modifying or deleting Manganese limitations in Coal Mining ELGs (Part 434).
20	Carl Johnson, Southern Pressure Treaters Association and Dave Webb, Creosote Council III	1052	Provides information on Timber Products ELGs (Part 429).

No.	Commenter Name	Regulations.gov Number	Comment Summary
21	S. Noble Photo Marketing Association International	1053 (duplicate at 1054)	Provides information on photoprocessing industry.
22	Thomas W. Curtis American Water Works Association	1059 (dup & OW-2002-0020- 0072)	EPA should focus on sediments, nutrients, and microbiological contamination in its effluent guidelines – not discharges from drinking water treatment facilities.
23	Robert E. Fronczak Association of American Railroads	1060	Provides information and comments on methodology including TWFs and POTW removal rates.
24	Norbert Dee National Petrochemical & Refiners Association	1063	Provides information on Petroleum Refining ELGs. Comments on including cogeneration units in Steam Electric ELGs.
25	P. Spencer Davies Strathkelvin Instruments	1102	Provides information on his monitoring technology for assessing interference with an activated sludge POTW.
26	Roger E. Claff American Petroleum Institute	1067	Provides information on Petroleum Refining ELGs. Comments on including cogeneration units in Steam Electric ELGs. TWF methodology comments.
27	Betty Anthony (API) & Kim Harb (NOIA) American Petroleum Institute and National Ocean Industries Association	1089	Provides information on SBF and related analytic methods in Part 435.
28	Amy E. Schaffer Weyerhaeuser Company	1070 1099 (revisions to 1070)	Provides information on Phase I and Phase II Pulp and Paper facilities.
29	Elizabeth Aldridge Utility Water Act Group	1083	Provides information on Steam Electric ELGs and methodology comments.
30	John Candler M-I SWACO	1084	Provides information on synthetic-based drilling fluids and related analytic methods in Part 435.
31	Tracey Norberg Rubber Manufacturers Association	1097	Provides information on Rubber Manufacturing ELGs (Part 428).

No.	Commenter Name	Regulations.gov Number	Comment Summary
32	Paul Weigand National Council for Air and Stream Improvement, Inc.	1079 (duplicate at 1069) 1104 (updates)	Provides information and comments on Pulp and Paper ELGs.
33	Jerry Schwartz American Forest & Paper Association	1074	Provides information and comments on Pulp and Paper ELGs.
34	Robert Elam American Chemistry Council	0073 (duplicate at 1068)	Comments on possible inclusion of cogeneration units under steam electric ELGs. Comments on review methodology. Facility-specific OCPSF comments. Comments on mass-based versus concentration-based limits. Provides information on the OCPSF ELGs.
35	Steve C. Curl R. J .Reynolds Tobacco Company	1096	Provides information on their tobacco facilities and environmental studies.
36	Susan Bruninga National Association of Clean Water Agencies	1093	No new PSES categories necessary. Comment on need for new POTW study as well as some suggestions about current study. Comments on Pulp and Paper and Steam Electric ELGs. Provides information and comments on tobacco and health services industries. Flow-normalized mass-based permit limits: adopt flow-normalized mass-based permit limits for all indirect dischargers to encourage water conservation. Strategy: agrees with risk approach; focus on revisions of existing ELGs, not development of new ones; good opportunity for collaboration; agrees with 4 factors (especially that the first one is key). Technology: consider financial incentives or tax breaks for companies that develop innovative technologies. Trading: allow effluent trading for indirect dischargers.
37	Jeff Gunnulfsen Synthetic Organic Chemical Manufacturers Association	1098	Provides information on OCPSF and mass- vs. concentration-based limits issue.
38	Thomas White Pharmaceutical Research and Manufacturers of America	1095	Comments on possible inclusion of cogeneration units under Steam Electric ELGs. Comments on mass- vs. concentration-based limits issue.

No.	Commenter Name	Regulations.gov Number	Comment Summary
39	Terrance Rucker American Public Power Association	1065	Provides information on Steam Electric ELGs and Detailed Study.
40	Paul Chu Electric Power Research Institute	1073	Provides information on Steam Electric ELGs and Detailed Study.
41	John Ochs Penn View Mining, Inc. T.J.S. Mining, Inc. Thomas J. Smith, Inc.	1091	Recommends modifying or deleting manganese limitations in Coal Mining ELGs (Part 434).
42	Stanley R. Geary Pennsylvania Coal Association	1062 (duplicate at 1100)	Recommends modifying or deleting manganese limitations in Coal Mining ELGs (Part 434).
43	David D. Dunlap Uniform & Textile Service Association	1064	Supports EPA's two-part evaluation for determining pass-through potential. TWFs have not been properly vetted and development needs to be more transparent. EPA should focus its efforts on assisting small POTWs rather than categorical standards. Information on laundries industry.
44	Jeffrey S. Lynn International Paper	1087	Provides information on Pulp and Paper ELGs and Detailed Study.
45	Kairas Parvez, Sr. MeadWestvaco	1077 (duplicate at 1092)	Provides information on Pulp and Paper ELGs and Detailed Study.
46	Porcelain Enamel Institute	1072	Provides information on Porcelain Enameling ELGs (Part 466).
47	John M. Ross NiSource Inc	1076	Comments on the possible inclusion of cogeneration units under Steam Electric ELGs.
48	Mayes Starke Georgia-Pacific	1082	Provides information on Pulp and Paper ELGs and Detailed Study.
49	Kenneth S. Johnson Constellation Generation Group	1080	Provides information on the Steam Electric ELGs and Detailed Study.
50	Christine M. Andrews National Restaurant Association	1081	EPA should not establish pretreatment standards for food service establishments.

No.	Commenter Name	Regulations.gov Number	Comment Summary
51	Richard Marchi Airports Council International – North America (ACI-NA) American Association of Airport Executives (AAAE) Airport Clean Water Alliance (ACWA)	OW-2002-0020- 0074 {Note that this is in the 'Strategy' Docket}	Seeks assurance that promulgation of an airport deicing regulation will not occur without full consideration of the complex issues affecting airport deicing issues.
52	Robert J. King Lorillard Tobacco Company	1105	Provides information on the tobacco industry and study.
53	Hugh Wise	1047	EPA should recodify ELGs to put them in plain English.
54	George M. Jett		Develop TWFs for oil and grease compounds and nutrients. Revise the POTW Study. Implement OMB review of EPA policy making. Evaluate new industrial categories. Publish ELG Guidance Documents. Fix older regulations and implement all regulations.
55	Karl Mueldener Kansas Department of Health and Environment	0003	Commenter provided information on Kansas' program to control discharges from drinking water treatment facilities.
56	William Creal Michigan Department of Environmental Quality	0004	Strongly supports EPA continuing to revise and update technology-based effluent limitations, which they believe is one of EPA's primary responsibilities and a cornerstone of the CWA.

No.	Commenter Name	Regulations.gov Number	Comment Summary
57	Allen Gilliam Arkansas DEQ Dave Knight Washington State Department of Ecology	0678	Recommends EPA revise the effluent guidelines for the Transportation Equipment Cleaning Point Source Category (40 CFR 442) due to difficulties in assessing compliance with the current requirements. The control authority has insufficient knowledge of the practices. Recommends EPA evaluate pretreatment standards with more focus on small to medium sized POTWs, who may not be aware of the opportunity to provide comment on rulemaking activities. Industrial wastewater treatment effectiveness of smaller POTWs may differ from larger POTWs. Revisit pretreatment standards for Meat and Poultry Products (40 CFR 432), Industrial Laundries (never promulgated), and Metal Molding and Casting (40 CFR 464) Point Source Categories. Also recommends EPA study hospitals and dental facilities, with particular focus on emerging pollutants of concern, and laboratory and pharmaceutical exotics. Recommends sunsetting existing source standards for new source standards for all industries by a future date, and removing phenol limits from all pretreatment standards, particularly the Metal Molding and Casting Point Source Category (40 CFR 464).
58	Steve Caspers State of Kansas	0680	Recommends EPA review interference issues associated with UV disinfection equipment at POTWs. Notes that this issue could also become more prevalent as more cities convert from chlorine to UV for disinfection.
59	Dave Knight Washington State Department of Ecology	1036	Comments on TWFs and the TWF Methodology. Need guidance/tools for emerging contaminants. Comments on screening-level analysis and TRI/PCS databases. Need to solicit more information from POTWs on interference. Supports development of ELGs for dentists. Review new and existing source definitions. Remove phenol limits from all PSES for all point source categories.
60	Benny R. Wampler VA Department of Mines, Minerals, and Energy	1049	Recommends modifying or deleting manganese limitations in Coal Mining ELGs (Part 434).
61	Kathleen A. McGinty PA Department of Environmental Protection	1101	Recommends modifying or deleting manganese limitations in Coal Mining ELGs (Part 434).

Attachment 3

DOCUMENTS CITED IN THE FEDERAL REGISTER NOTICE SUPPORTING 2005 AND 2006 ANNUAL REVIEWS AND THE 2006 EFFLUENT GUIDELINES PROGRAM PLAN

Regulations.gov Document ID Number	Title
EPA-HQ-OW-2004- 0032-0017	2005 Annual Screening-Level Analysis: Supporting the Annual Review of Existing Effluent Limitations Guidelines and Standards and Identification of Potential New Categories for Effluent Limitations Guidelines and Standards [EPA-821-B-05-003][DCN 02173]
EPA-HQ-OW-2004- 0032-0046	Preliminary Report: Pulp, Paper, and Paperboard Detailed Study [EPA-821-B-05-007] [DCN 02177]
EPA-HQ-OW-2004- 0032-0772	The Effect of Amalgam Separators on Mercury Loading to Wastewater Treatment Plants [DCN 02237]
EPA-HQ-OW-2004- 0032-0782	Preliminary Data Summary for the Hospitals Point Source Category [DCN 02231]
EPA-HQ-OW-2004- 0032-1417	Urban Waste Grease Resource Assessment [NREL/SR-570-26141] [DCN 02606]
EPA-HQ-OW-2004- 0032-1418	FOG Cutters [DCN 02610]
EPA-HQ-OW-2004- 0032-1419	Fog-Bound Food Service [DCN 02616]
EPA-HQ-OW-2004- 0032-1462	Guide for Evaluating Capacity, Management, Operation, and Maintenance (CMOM) Programs at Sanitary Sewer Collection Systems [EPA 305-B-05-002] [DCN 02847]
EPA-HQ-OW-2004- 0032-1463	A Pocket Guide to Best Management Practices for Restaurant Grease [DCN 03040]
EPA-HQ-OW-2004- 0032-1465	A Guide to Restaurant Grease Management – A Regulator's Desk Reference [DCN 03043]
EPA-HQ-OW-2004- 0032-1695	Local Limits Summary [DCN 03131]
EPA-HQ-OW-2004- 0032-1792	The O&M in CMOM: Operation & Maintenance – A Reference Guide [DCN 03045]
EPA-HQ-OW-2004- 0032-1794	Sanitary Sewer Overflow Solutions [DCN 03046]
EPA-HQ-OW-2004- 0032-1930	A Guide for Developing and Implementing a Fats, Oils, and Grease [DCN 03039]
EPA-HQ-OW-2004- 0032-1943	Activated Sludge Microbiology Problems and Their Control [DCN 03044]
EPA-HQ-OW-2004- 0032-2781	Interim Detailed Study Report for the Steam Electric Power Generating Point Source Category [EPA-821-R-06-015] [DCN 03401]
EPA-HQ-OW-2004- 0032-2249	Final Report: Pulp, Paper, and Paperboard Detailed Study [EPA-821-R-06-016] [DCN 03400]

Regulations.gov Document ID Number	Title
EPA-HQ-OW-2004- 0032-2614 through 2617	The final 2006 Plan incorrectly references the following report, Site Visit Report Pennsylvania Coal Mine Acid Drainage Treatment Systems [DCN 02487], on Page 76656. The correct references are correspondence from Linda Holst, EPA Region 5, to EPA's contractor (ERG) regarding sulfates [DCN 3852, 3853, 3854, and 3855].
EPA-HQ-OW-2004- 0032-2312	Draft Detailed Study Plan for the Coal Mining Point Source Category (Part 434) [DCN 02488]
EPA-HQ-OW-2004- 0032-2321	Risk Assessment Guidance for Superfund, Volume I, Human Health Evaluation Manual (Part A) [EPA-540-1-89-002] [DCN 03037]
EPA-HQ-OW-2004- 0032-2344	Memorandum to Public Record on Overview of Wastewater Treatment Technology and Pollution Prevention Information Resources Used in the 2006 Effluent Guidelines Program Plan [DCN 02490]
EPA-HQ-OW-2004- 0032-2345	Toward Integrated Environmental Decision-Making [EPA-SAB-EC-00-011] [DCN 03576]
EPA-HQ-OW-2004- 0032-2782	Technical Support Document for the 2006 Effluent Guidelines Program Plan [EPA-821-R-06-018] [DCN 03402]
EPA-HQ-OW-2004- 0032-2352	Guidance Manual for Preventing Interference at POTWs [DCN 03252]
EPA-HQ-OW-2004- 0032-2357	Tennessee Oil and Grease Control Guidance Document [DCN 03265]
EPA-HQ-OW-2004- 0032-2413	Memorandum to the Public Record Regarding Update on Toxic Weighting Factor Peer Review [DCN 03333]
EPA-HQ-OW-2004- 0032-2433	NPDES Compliance Inspection Manual [DCN 03416]
EPA-HQ-OW-2004- 0032-2497	Meeting Minutes of the EPA and Arkema Discussion of Water Conservation at the Arkema Facility in Geneseo, NY (26 May 2006) [DCN 03667]
EPA-HQ-OW-2004- 0032-2507	Memorandum from Carey Johnston of EPA to the Public Record for the 2006 Effluent Guidelines Program Plan EPA Docket Number OW-2004-0032, entitled "Water Conservation Measures at Arkema Inc. (NPDES Permit No. NY0068225)" [DCN 03701]
EPA-HQ-OW-2004- 0032-2509	Memorandum to Public Record for 2006 Effluent Guidelines Program Plan; Re: Options for Promoting Water Conservation Through the Use of Organic Chemicals, Plastics, and Synthetic Fibers (OCPSF) Mass-based Limits [DCN 03702]
EPA-HQ-OW-2004- 0032-2513	Final Engineering Report: Tobacco Products Processing Detailed Study [EPA-821-R-06-017] [DCN 03395]
EPA-HQ-OW-2004- 0032-2607	Memorandum to Public Record for the 2006 Effluent Guidelines Program Plan: Current Status of Effluent Guidelines Rulemakings [DCN 03765]
EPA-HQ-OW-2004- 0032-2705	Memorandum to Public Docket No. OW-2004-0032; Re: Commenter-Identified Industrial Sectors not Meeting 304(m)(1)(B) Criteria [DCN 04112]

Regulations.gov Document ID Number	Title
EPA-HQ-OW-2004- 0032-2729	Memorandum to Public Record for the 2006 Effluent Guidelines Program Plan EPA Docket No. OW-2004-0032; Re: Review of Effluent Data from Arkema Inc. (NPDES Permit No. NY0068225) [DCN 04103]
EPA-HQ-OW-2004- 0032-2780	Response to Comments on the Preliminary 2006 Effluent Guidelines Program Plan [DCN 03403]
EPA-HQ-OW-2004- 0032-2769	99th Congress Committee Reports [DCN 03911]

# 304m OW-2004-0032 Docket Index - 2006

EPA Docket Section	DCN	Document Sub Type	TITLE	ABSTRACT	Page Count	Author	Author Date Source Citation	Category Industry	Copyright Protected	CBI	Document ID:
6.0	02104	Letter, Memorandum, Email	Current Status of Effluent Guideline Rulemakings- DCN 02104		9	Johnston, Carey A., US EPA	08/01/2005	Rulemaking Schedule		No	EPA-HQ-OW-2004-0032-0676
6.0	02490	Letter, Memorandum, Email	Memorandum to Public Record on Overview of Wastewater Treatment Technology and Pollution Prevention Information Resources Used in the 2006 Effluent Guidelines Program Plan - DCN 02490	Factor 2 in determining ELGs.	10	Johnston, Carey, USEPA	08/10/2006			No	EPA-HQ-OW-2004-0032-2344
6.0	03576	Publication USEPA	Toward Integrated Environmental Decision- Making - DCN 03576	Originally conceived by some as a simple "updating" of the SAB's Reducing Risk report, the Integrated Risk Project (IRP) challenged the SAB to extend far beyond that 1990 product. Reducing Risk effective legitimized the notion that larger environmental risks can be distinguished from smaller risks on the basis of scientific criteria. Some advocates of the IRP on Capitol Hill and in the Agency envisioned that the SAB would go further in today's report and develop a ranked list of environmental risks, based not only on consensus scientific insights but on consensus social values as well! Suffice it say that this grand view was neither the SAB's intention nor its product.	ely c	USEPA, Science Advisory Board	08/01/2000 EPA-SAB-EC-00- 011			No	EPA-HQ-OW-2004-0032-2345
6.0	04142	Other	User Guide to the Docket for the 2005 and 2006 Annual Reviews and the 2006 Effluent Guidelines Program Plan - DCN 04142	Information on the documents and analysi in the docket supporting the annual review and the 2006 Effluent Guidelines Program Plan. See the following Federal Register notices presenting EPA's annual reviews and the preliminary and final 2006 Effluen Guidelines Program Plans, 71 Fed. Reg. 76644 (21 December 2006) and 70 Fed. Reg. 51042 (29 August 2005), respectivel	vs 1 t	Johnston, Carey	12/21/2006			No	EPA-HQ-OW-2004-0032-2783

EPA Docket Section	DCN	Document Sub Type	TITLE		Page Count	Author	Author Date	Source Citation	Category Industry	Copyright Protected	CBI	Document ID:
6.0	04142A1	Other	Subject Index to Docket EPA-HQ-OW-2004- 0032 - DCN 04142A1	A list of documents in the docket, sorted by subject outline section. Each outline sectio includes documents that address related topics or subjects.	425 n	Johnston, Carey	12/21/2006				No	EPA-HQ-OW-2004-0032-2783.1
6.1	02310	Letter, Memorandum, Email	Docket OW-2003 Incorporated by Reference - DCN 02310		1	Johnston, Carey A., US EPA	08/11/2005				No	EPA-HQ-OW-2004-0032-0677
6.2	02377	Federal Register	Notice of Availability of Preliminary 2006 Effluent Guidelines Program Plan - DCN 02377		19	US EPA	08/29/2005				No	EPA-HQ-OW-2004-0032-0014
6.3	01737	Letter, Memorandum, Email	Effluent Guidelines Plan - DCN 01737		12	Gilliam, Allen, ADEQ	06/14/2005		Meat and Poultry Products, Par 432	t	No	EPA-HQ-OW-2004-0032-0678
6.3	01944	Other	2006 Effluent Guidelines Program Plan Issue/Industry Voluntary Nomination Form - DCN 01944		3	David Phillips, Region 4/WMD/WPE B			Steam Electri Power Generation	c 🗌	No	EPA-HQ-OW-2004-0032-0679
6.3	02211	Letter, Memorandum, Email	Pass Through/Interference Problems - DCN 02211		4	Copeland, Stephen, US EPA Region 3	08/09/2005				No	EPA-HQ-OW-2004-0032-0947

EPA Docket Section	DCN	Document Sub Type	TITLE	ABSTRACT	Page Count	Author	Author Date Source Citation	Category Industry	Copyright Protected	CBI	Document ID:
6.3	02277	Letter, Memorandum, Email	POTW's Experiencing Interference with with UV Disinfection - DCN 02277		3	Steve Caspers, Pretreatment Specialist	02/28/2005	Pharmaceut Manufacturi		No	EPA-HQ-OW-2004-0032-0680
6.3	02278	Letter, Memorandum, Email	2006 Effluent Guidelines Program Plan: Issue/Industry Nomination Form - DCN 02278		5	Pickrel, Jan	04/26/2005			No	EPA-HQ-OW-2004-0032-0681
6.4	03402	Publication USEPA	Technical Support Document for the 2006 Effluent Guidelines Program Plan - DCN 03402		549	USEPA	12/01/2006 EPA-821-R-06-018			No	EPA-HQ-OW-2004-0032-2782
7.1	02181	Letter, Memorandum, Email	Summary of Comments on 2004 Effluent Guidelines Program Plan- DCN 02181		3	Johnston, Carey A., US EPA	08/12/2005			No	EPA-HQ-OW-2004-0032-0682
7.1	02373	Public Submissions	Public Comment Submitted by D. Knight, Washington State Department of Ecology - DCN 02373		4	Knight, D.	09/09/2005			No	EPA-HQ-OW-2004-0032-1036
7.1	02374	Public Submissions	Public Comment Submitted by Thomas W. Purcell, Ph.D., Senior Environmental Scientist, American Petroleum Institute - DCN 02374		2	Purcell, Thomas W.	09/28/2005			No	EPA-HQ-OW-2004-0032-1037

EPA Docket Section	DCN	Document Sub Type	TITLE	ABSTRACT	Page Count	Author	Author Date	Source Citation	Category Industry	Copyright Protected	CBI	Document ID:
7.2	03403	Publication USEPA	Response to Comments on the Preliminary 2006 Effluent Guidelines Program Plan - DCN 03403		462	USEPA	12/01/2006				No	EPA-HQ-OW-2004-0032-2780
7.2	04074	Letter, Memorandum, Email	Memorandum to Carey Johnston and Jan Matuszko, U.S. EPA - DCN 04074	Response to Comments: Database Methodology Issues	20	Bartram, Deb, ERG	11/10/2006				No	EPA-HQ-OW-2004-0032-2764
7.2	04112	Letter, Memorandum, Email	Memorandum to Public Record for the 2006 Effluent Guidelines Program Plan EPA Docket No. OW-2004-0032; Re: Commenter-Identified Industrial Sections not meeting 304(m)(1)(B) Criteria - DCN 04112		19	Matuszko, Jan, EPA/EAD	12/11/2006				No	EPA-HQ-OW-2004-0032-2705
8.0	04084	Publication Copyrighted Material	Tackling Emerging Contaminants at POTWs - DCN 04084		9	Harper, Stephen, Parikhit, Sinha	11/05/2006	Pollution Engineering, http://www.pollutione ng.com/CDA/Articles /Cover_Story/ca2b17 84466be010VgnVC M100000f932a8c0			No	EPA-HQ-OW-2004-0032-2707
8.0	04114	Letter, Memorandum, Email	E-mail to Carey Johnston, U.S. EPA - DCN 04114	Email from Ava Anders, Maryland Department of Public Safety and Correctional Services. Transmitting the Final Report for the Supplemental Environmental Project (Environmental Management System Report)	25	Anders, Ava, MD Dept of Public Safety	10/08/2006		Prisons		No	EPA-HQ-OW-2004-0032-2730
8.0	01383	Publication	Printing Industry Pollution Prevention Notebook - DCN 01383		81	Illinois Waste Management Resource Center	01/01/1997		Printing and Publishing		No	EPA-HQ-OW-2004-0032-0686

EPA Docket Section	DCN	Document Sub Type	TITLE	ABSTRACT	Page Count	Author	Author Date	Source Citation	Category Industry	Copyright Protected	CBI	Document ID:
8.0	01389	Publication Copyrighted Material	Code of Mangement Practice for Silver Dischargers - 01389		72	Assoc. of Metro. Sewage Agencies	01/01/1996		Photographic Processing		No	EPA-HQ-OW-2004-0032-0689
8.0	01466	Letter, Memorandum, Email	Some Input from one of the TCEQ (Texas) Inspectors - DCN 01466		3	Bohme, Lee	11/01/2004		CWA Review	,	No	EPA-HQ-OW-2004-0032-0692
8.0	01487	ОМВ	Information Collection Request: NPDES and Sewage Sludge Management State Program Requirements - DCN 01487		54	EPA	03/01/2003				No	EPA-HQ-OW-2004-0032-0694
8.0	01488	OMB	Information Collection Request for the National Pretreatment Program - DCN 01488		92	EPA	11/30/2004				No	EPA-HQ-OW-2004-0032-0696
8.0	01593	Publication	Department of Defense Handbook Non- Domestic Wastewater Control and Pretreatment Design - DCN 01593		161	Department of Defense	10/01/1998		Photoprocess g, medical, dental	sin 🗌	No	EPA-HQ-OW-2004-0032-0932
8.0	01602	Report	Cameras and Camcorders Market - US Report - 01602		8		10/01/2002		Photographic Processing	:	No	EPA-HQ-OW-2004-0032-0933

EPA Docket Section	DCN	Document Sub Type	TITLE	ABSTRACT	Page Count	Author	Author Date	Source Citation	Category Industry	Copyright Protected	CBI	Document ID:
8.0	01604	Publication	Digital 2003: The Stats and Trends - 01604		3	Photo Industry Reporter	01/01/2003		Photographic Processing		No	EPA-HQ-OW-2004-0032-0934
8.0	01796	Support Background	Best Management Practices & Other Alternatives -DCN 01796		7	Noble, Steve	01/01/2004		CWA Review		No	EPA-HQ-OW-2004-0032-0936
8.0	01887	Report	Introduction to the National Pretreatment Program -DCN 01887		66	US EPA	02/01/1999				No	EPA-HQ-OW-2004-0032-0698
8.0	01932	Meeting or Teleconference Materials	2003 National Pretreatment Coordinators Workshop Final Participants List - DCN 01932		20		11/19/2003				No	EPA-HQ-OW-2004-0032-0993
8.0	01933	Letter, Memorandum, Email	AMSA 2004 Pretreatment Streamlining Survey Data - DCN 01933, Cover Memo to DCN 01934		2	Ken Kirk, Executive Director	06/10/2004				No	EPA-HQ-OW-2004-0032-0960
8.0	01934	Support Background	AMSA 2004 Pretreatment Streamling Survey Response Data -DCN 01934, Attachments of DCN 01933		40	AMSA	06/10/2004				No	EPA-HQ-OW-2004-0032-0961

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8.0	01935	Meeting or Teleconference Materials	2003 National Pretreatment Coordinators Workshop - DCN 01935		12		11/19/2003				No	EPA-HQ-OW-2004-0032-0700
8.0	01936	Report	2003 National Pretreatment Coordinators Workshop Summary Report - DCN 01936		22	Johnston, Carey A., US EPA	03/31/2004				No	EPA-HQ-OW-2004-0032-0702
8.0	02236	Support Background	2004 National Pretreament Coordinators Workshop - DCN 02236		29	National Pretreatment Coordinators	10/28/2004		CWA Review	,	No	EPA-HQ-OW-2004-0032-0706
8.0	02238	Publication	East Bay Municipal Utility District Application for Pretreatment Program Excellence EPA 2004 Clean water Act Recognition Awards - DCN 02238		95	Williams, David	07/21/2004		CWA 304 (g) Review		No	EPA-HQ-OW-2004-0032-0707
8.0	02242	Support Background	TRE Case Study: City of Reidsville, North Carolina - DCN 02242		7	Burlington Research Inc and Engineering			CWA 304(g) Review		No	EPA-HQ-OW-2004-0032-0708
8.0	02262	Support Background	Summary of the 2004 Review of Pretreatment Standards for Indirect Dischargers by EAD/OST Pursuant to Section 304(g) and 307(b) of the Clean Water Act - DCN 02262		2	Smith, Mary T. EPA/OST/EA D	04/19/2005				No	EPA-HQ-OW-2004-0032-0710

EPA Docket Section	DCN	Document Sub Type	TITLE	ABSTRACT	Page Count	Author	Author Date	Source Citation	Category Industry	Copyright Protected	CBI	Document ID:
8.0	02292	Letter, Memorandum, Email	Freedom of Information Act Request HQ-RIN- 01387-04 - DCN 02292		2	Smith, Mary T. EPA/OST/EA D	04/27/2005				No	EPA-HQ-OW-2004-0032-0711
8.0	02292A1	Publication USEPA	Freedom of Information Act Request HQ-RIN- 01387-04 - Attachment 1 (Food Service Establishment) - DCN 02292A1		14	Smith, Mary T. EPA/OST/EA D	04/27/2005				No	EPA-HQ-OW-2004-0032-0712
8.0	02292A2	Publication USEPA	Freedom of Information Act Request HQ-RIN- 01387-04 - Attachment 2 (Industrial Laundries) - DCN 02292A2		12	Smith, Mary T. EPA/OST/EA D	04/27/2005				No	EPA-HQ-OW-2004-0032-0713
8.0	02292A3	Publication USEPA	Freedom of Information Act Request HQ-RIN- 01387-04 - Attachment 3 (Printing and Publishing) - DCN 02292A3		27	Smith, Mary T. EPA/OST/EA D	04/27/2005				No	EPA-HQ-OW-2004-0032-0715
8.0	02292A4	Publication USEPA	Freedom of Information Act Request HQ-RIN- 01387-04 - Attachment 4 (Photoprocessing) - DCN 02292A4		10	Smith, Mary T. EPA/OST/EA D	04/27/2005				No	EPA-HQ-OW-2004-0032-0717
8.0	02292A5	Publication USEPA	Freedom of Information Act Request HQ-RIN- 01387-04 - Attachment 5 (Industrial Container and Drum Cleaning Industry) - DCN 02292A5		4	Smith, Mary T. EPA/OST/EA D	04/27/2005				No	EPA-HQ-OW-2004-0032-0719

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8.0	02292A6	Publication USEPA	Freedom of Information Act Request HQ-RIN- 01387-04 - Attachment 6 (Hospitals) - DCN 02292A6		17	Smith, Mary T. EPA/OST/EA D	04/27/2005				No	EPA-HQ-OW-2004-0032-0721
8.0	02292A7	Publication USEPA	Freedom of Information Act Request HQ-RIN- 01387-04 - Attachment 7 (Independent and Standalone Laboratories) - DCN 02292A7		10	Smith, Mary T. EPA/OST/EA D	04/27/2005				No	EPA-HQ-OW-2004-0032-0722
8.0	02292A8	Publication USEPA	Freedom of Information Act Request HQ-RIN- 01387-04 - Attachment 8 (Independent and Standalone Laboratories: Medical and Dental) - DCN 02292A8		4	Smith, Mary T. EPA/OST/EA D	04/27/2005				No	EPA-HQ-OW-2004-0032-0724
8.0	02292A9	Publication USEPA	Freedom of Information Act Request HQ-RIN- 01387-04 - Attachment 9 (Dental Facility) - DCN 02292A9		2	Smith, Mary T. EPA/OST/EA D	04/27/2005				No	EPA-HQ-OW-2004-0032-0725
8.0	02432	Publication Copyrighted Material	Wildlife: Pharmaceuticals Passing Unaltered From Humans into Nation's Waterways - DCN 02432	Newspaper article discussing scientific findings that pharmaceuticals passing unaltered from humans into nation's waterways have adverse affects on aquatio organisms.	8 c	Pelton, Tom		The Baltimore Sun, Oct 16, 2005. Page 1.A.			No	EPA-HQ-OW-2004-0032-1416
8.0	02715	Publication Copyrighted Material	Franklin Miller's SPIRALIFT® SLX Provides First Line Of Defense For Prison Effluent - DCN 02715		2		04/17/2006	http://wateronline.co m	Prisons		No	EPA-HQ-OW-2004-0032-1433

EPA Docket Section	DCN	Document Sub Type	TITLE	ABSTRACT	Page Count	Author	Author Date	Source Citation	Category Industry	Copyright Protected	CBI	Document ID:
8.0	03252	Publication USEPA	Guidance Manual for Preventing Interference at POTWs - DCN 03252		119	9 USEPA, OW	09/01/1987	U.S. Environmental Protection Agency, http://www.epa.gov/n pdes/pubs/owm0194 .pdf			No	EPA-HQ-OW-2004-0032-2352
8.0	03417	Publication Copyrighted Material	03417	This report traces the evolution of water pollution regulation for industrial stationary sources in the United States since the enactment of the Clean Water Act in 1972 follows an earlier study (Harrington 2004) that was a retrospective look at industrial water pollution regulation. An unintended outcome of that study is the suggestion the water pollution policy for industrial sources is different from what had been envisaged when the CWA was first passed.	2. It at	Harrington, Winston and Nelson, Peter		Resources for the Future, http://www.rff.org//rff/ Documents/RFF-Rpt- WastewaterTreatme nt.pdf			No	EPA-HQ-OW-2004-0032-2354
8.0	03674	Letter, Memorandum, Email	Public Record: Phenol Pretreatment Standards in the Effluent Guidelines Program - DCN 03674		e at	Matusko, Jan	05/22/2006		Metal Molding and Casting (Foundries)	g 🗌	No	EPA-HQ-OW-2004-0032-2350
8.0	03674A1	Publication USEPA	Excerpt from Development Document for Effluent Limitations Guidelines and Standards for the Metal Molding and Casting (Foundries) Point Source Category. EPA 440/1-85/070 - DCN 03674A1	Tables of 4AAP phenols monitoring data. Discussion of the development of pretreatment standards for phenols.	67	USEPA	10/01/1985	EPA 440/1-85/070	Metal Molding and Casting (Foundries)	g 🗌	No	EPA-HQ-OW-2004-0032-2350.1
8.0	03674A2	Publication USEPA	Excerpt from Development Document for Effluent Limitations Guidelines and Standards for theNonferrous Metals Manufacturing Point Source Category, Volume II, Bauxite Refining, Primary Aluminum Smelting, Secondary Aluminum Smelting. EPA 440/1-89/019.2 - DCN 03674A2	Tables of phenol and 4AAP phenols monitoring data. Discussion of he development of pretreatment standards.	23	USEPA	05/01/1989	EPA 440/1-89/019.2	Aluminum Manufacturing		No	EPA-HQ-OW-2004-0032-2350.2

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8.0	03674A3	Publication USEPA	Excerpt from Development Document for Final Effluent Limitations Guidelines and Standards for the Iron and Steel Point Source Category. EPA-821-R-02-004 - DCN 03674A3	Phenols 4AAP analytical method. Establishing limits for 4AAP phenol ranther than the compound phenol.	3	USEPA	04/01/2002	EPA-821-R-02-004	Iron and Stee Manufacturin		No	EPA-HQ-OW-2004-0032-2350.3
8.0	03674A4	Data	50 POTW Study Percent Removals, Summary Table of Median Values, IS04612 DCN 03674A4		108	USEPA	11/09/1999		Iron and Stee Manufacturin		No	EPA-HQ-OW-2004-0032-2350.4
8.1	01456	Publication Copyrighted Material	Wastewater Engineering Treatment, Disposal, and Reuse - 01456		6	Metcalf & Eddy, Inc	01/01/1991		Food Service Establishmer		No	EPA-HQ-OW-2004-0032-0726
8.1	01457	Publication Copyrighted Material	Standard Handbook on Environmental Engineering - 01457		5	Corbitt, Robert I	01/01/1999		Food Service Establishmer		No	EPA-HQ-OW-2004-0032-0733
8.1	01458	Report	Non-Domestic Water Audit Report, A Steak House in Massachusetts - DCN 01458		9	Pequod	03/01/1990		Food Service Establishmer		No	EPA-HQ-OW-2004-0032-0735
8.1	01459	Report	Considerations for the Management of Discharge of Fats, Oil and Grease (FOG) to Sanitary Sewer Systems - DCN 01459		71	FOG Task Force	06/01/2002		Food Service Establishmer		No	EPA-HQ-OW-2004-0032-0738

EPA Docket Section	DCN	Document Sub Type	TITLE	ABSTRACT	Page Count	Author	Author Date	Source Citation	Category Industry	Copyright Protected	CBI	Document ID:
8.1	01460	Support Background	Case Study: Harvey Mansion Restaurant and Lounge - DCN 01460		1		08/01/1995		Food Service Establishmer		No	EPA-HQ-OW-2004-0032-0740
8.1	01461	Support Background	Kitchen & Food Preparation - DCN 01461		8				Food Service Establishmer		No	EPA-HQ-OW-2004-0032-0741
8.1	01462	Support Background	Wastewater Rates, Charges and Fees - DCN 01462		6	EBMUD	10/19/2004		Food Service Establishmer		No	EPA-HQ-OW-2004-0032-0743
8.1	01463	Publication Copyrighted Material	Franchising In the Economy: Food Service's Big Role - DCN 01463		2	Franchise Handbook	10/19/2004		Food Service Establishmer		No	EPA-HQ-OW-2004-0032-0744
8.1	01464	Support Background	Market Information, United States - DCN 01464		4	Agriculture and Agri- Food Canada	08/27/2004		Food Service Establishmer		No	EPA-HQ-OW-2004-0032-0746
8.1	01516	Support Background	Industrial Waste Surveillance - DCN 01516		1	Rock Water Reclamation District			Food Service Establishmer		No	EPA-HQ-OW-2004-0032-0748

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8.1	01517	Support Background	Rock River Water Reclamation District, General Information On Food Service Establishments Grease Traps and Separators - DCN 01517		5	Rock River Water Reclamation District	03/01/2002		Food Service Establishmer		No	EPA-HQ-OW-2004-0032-0750
8.1	01518	Support Background	Fats, Oil, and Grease Best Management Practices Manual Information, Pollution Prevention, and Compliance Information for Publicly-Owned Treatment Plants - DCN 01518		18				Food Service Establishmer		No	EPA-HQ-OW-2004-0032-0751
8.1	02103	Letter, Memorandum, Email	Food Service Establishments -DCN 02103		13	Matuszko, Jan EPA	08/11/2005		Food Service Establishmer		No	EPA-HQ-OW-2004-0032-0753
8.1	02209	Publication	Considerations for the Mangament of Fats, Oil and Grease (FOG) Discharge to Sanitary Sewer Systems - DCN 02209		73	State of North Carolina	08/09/2005		Food Service Establishmer		No	EPA-HQ-OW-2004-0032-0755
8.1	02218	Publication	Restaurant Pollution Prevention and Waste Reduction - Fact Sheet - DCN 02218		4	Michigan DEQ	08/10/2005		Food Service Establishmer		No	EPA-HQ-OW-2004-0032-0757
8.1	02280	Letter, Memorandum, Email	Information about Indirect Discharge Categories - DCN 02280		2	Matt Gluckman, USEPA Region 5	10/18/2004				No	EPA-HQ-OW-2004-0032-0759

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8.1	02606	Publication Other Government	Urban Waste Grease Resource Assessment NREL/SR-570-26141 - DCN 02606	Report prepared for U.S. Department of Energy, National Renewable Energy Laboratory, by G. Wiltsee, Appel Consultants, Inc. Valencia, California. Th study collected and analyzed data on urba waste grease resources in 30 randomly selected metropolitan areas in the United States.	an	G. Wiltsee	11/01/1998		Food Service Establishmen		No	EPA-HQ-OW-2004-0032-1417
8.1	02610	Publication Copyrighted Material	FOG Cutters - DCN 02610, SECTION 8.1		8	Engle, David	12/01/2005	Onsite Water Treatment - http://www.gradingan dexcavation.com/ow _0511_fog.html (accessed 2/10/06)	Food Service Establishmen		No	EPA-HQ-OW-2004-0032-1418
8.1	02616	Publication Copyrighted Material	FOG Bound Food Service: Restaurant Wastewater Requires Painstaking Care to Circumvent Sewer-rate Surcharges and Drainfield Damage - DCN 02616		11	Engle, David	10/01/2005	Onsite Water Treatment - http://www.onsitewat er.com/ow_0509_fog .html (accessed 2/10/06)	Food Service Establishmen		No	EPA-HQ-OW-2004-0032-1419
8.1	02662	Publication Copyrighted Material	Fattening Up the Bottom Line: Changing Sewer Grease from a Liability to an Asset - DCN 02662		4	Joyce, Mike	08/01/2005	August 2005 - Water Environment and Technology	Food Service Establishmen		No	EPA-HQ-OW-2004-0032-1420
8.1	02847	Publication Other Government	Guide for Evaluating Capacity, Management, Operation, and Maintenance (CMOM) Programs at Sanitary Sewer Collection Systems - DCN 02847		126	US EPA, OECA	01/01/2005	U.S. Environmental Protection, EPA 305- B-05-002, http://www.epa.gov/n pdes/pubs/cmom_gu ide_for_collection_sy stems.pdf		-	No	EPA-HQ-OW-2004-0032-1462
8.1	03039	Report	A Guide for Developing and Implementing a Fats, Oils, and Grease (FOG) Control Program for Food Service Establishments - DCN 03039		150	California Fats, Oils, and Grease (FOG)	09/01/2004		Food Service Establishmen		No	EPA-HQ-OW-2004-0032-1930

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8.1	03040	Other	A Pocket Guide to Best Management Practices for Restaurant - DCN 03040		2	Interagency Resource for Achieving Coopera	09/01/2004		Food Service Establishmen		No	EPA-HQ-OW-2004-0032-1463
8.1	03042	Other	Oil/Water Separator Fact Sheet - DCN 03042		4	King County, Washington	02/01/2006		Food Service Establishmen		No	EPA-HQ-OW-2004-0032-1464
8.1	03043	Report	A Guide to Restaurant Grease Management: A Regulator's Desk Reference - DCN 03043		40	Interagency Resource for Achieving Coopera	09/01/2004		Food Service Establishmen		No	EPA-HQ-OW-2004-0032-1465
8.1	03045	Publication Copyrighted Material	The O&M in CMOM: "Operation & Maintenance" - A Reference Guide for Utility Operators - DCN 03045		102	Water Environment Federation	09/29/2004			V	No	EPA-HQ-OW-2004-0032-1792
8.1	03046	Publication Copyrighted Material	Sanitary Sewer Overflow Solutions - DCN 03046 Gui	dance Manual	297	American Society of Civil Engineers	04/01/2004				No	EPA-HQ-OW-2004-0032-1794

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8.1	03263	Publication Other Government	A Compendium of Information on Alternative Onsite Septic System Technology in Massachusetts - DCN 03263	Until relatively recently, technology for the onsite treatment of household sanitary waste in Massachusetts was relatively "standard", involving in most cases a seption tank for the settling of solids and mineralization of wastes, and a leachfield for the safe disposal of the liquefied waste in appropriate locations away from points of possible human exposure. A frank assessment of this technology is that its primary focus is on disposal, following some rudimentary treatment. Ultimate "treatment" in standard systems is primarily due to dilution, dispersion and retention in underlying soils until pathogens are rendered harmless. The lack of focus on actual treatment of waste onsite is primarily attributable to the thought that the onsite septic system was a temporary means of waste disposal until such time as the community constructed centralized sewage treatment facilities.	C or e	Heufelder, George, Rask,Susan	05/01/2000	Barnstable County Department of Health and the Environment, MA http://www.state.nj.us /dep/dwq/pdf/compe nd.pdf	Food Service Establishmen	Ls	No	EPA-HQ-OW-2004-0032-2355
8.1	03265	Publication Other Government	Tennessee Oil and Grease Control Guidance Document - DCN 03265	Tools for regulation and enforcement of fats oils and grease.	s, 65	Tennessee, DEC, DWPC	06/01/2002	Tennessee Department of Environment and Conservation Division of Water Pollution Control, http://www.state.tn.u	Food Service Establishmen		No	EPA-HQ-OW-2004-0032-2357
8.1	03287	Publication USEPA	NPDES Compliance Inspection Manual (EPA 305-X-03-004) - DCN 03287		802	US EPA	07/01/2004	http://www.epa.gov/c ompliance/resources /publications/monitori ng/cwa/inspections/n pdesinspect/npdesm anual.html			No	EPA-HQ-OW-2004-0032-2358
8.1	03346	Publication Copyrighted Material	Three grease problems - one solution - DCN 03346	The easiest and most cost-effective solution for grease build up is through "pre- treatment." Treating the grease at its source reduces the back-up and build-up problems that can occur in municipal sewer systems; not to mention, problems associated with grease traps, wet wells, and lift stations.	e	WaterWorld	07/28/2006	http://ww.pennnet.co m/Articles/Article_Dis play.cfm?Section=A RTCL&SubSection= Display&PUBLICATI ON_ID=41&ARTICL E_ID=261129	Food Service Establishmen	<b>⊻</b> ts	No	EPA-HQ-OW-2004-0032-2359

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8.1	03350	Letter, Memorandum, Email	Memorandum to Public Record on Fats, Oil and Grease Documents for Food Service Establishments from the North Carolina Division of Pollution Prevention and Environmental Assistance (http://www.p2pays.org/food/main/oil.htm) - DCN 03350		3	Johnston, Carey A., US EPA	08/14/2006	http://www.p2pays.or g/food/main/oil.htm	Food Service Establishmen		No	EPA-HQ-OW-2004-0032-2360
8.1	03588	Report	Fats, Oil, and Grease (FOG) Microbiology Metabolic Pathways of FOG Removal Potential - DCN 03588		5	In-Pipe Technology Company	08/23/2006	Water Online Newsletter, http://www.wateronlin e.com/content/news/ article.asp?docid=58 C37842-D6CC-4362- B04D-	Food Service Establishmen		No	EPA-HQ-OW-2004-0032-2361
8.1	03630	Speech	Presentation of Kent County, Delaware, on Fats, Oils and Greases (FOG) and Food Service Establishments - DCN 03630		56	Kent County Public Works	01/01/2004	http://www.co.kent.d e.us/Departments/Pu blicWorks/document s/FOGWorkshopPre sentation_000.ppt			No	EPA-HQ-OW-2004-0032-2362
8.1	03631	Publication Copyrighted Material	Governor Signs Legislation on Handling Commerical Kitchen Grease (A.B. 1333) and Medical Waste (A.B. 2335) - DCN 03631		1	Whetzel, Carolyn, BNA	08/30/2006	http://pubs.bna.com/i p/BNA/DEN.NSF/852 562af006de75e8525 608b0060ffa1/69435 9fb516eb66f852571d a0005d854?OpenDo cument			No	EPA-HQ-OW-2004-0032-2363
8.1	03633	Other	Kent County Public Works Fog Best Management Practices Manual for Food Service Establishments - DCN 03633		20	Kent County Public Works	05/01/2003	http://www.co.kent.d e.us/Departments/Pu blicWorks/document s/FOGBMPManual_ 000.pdf			No	EPA-HQ-OW-2004-0032-2364
8.1	03634	Other	Kent County Public Works Fog Best Management Practices (BMP'S) - DCN 03634		4	Kent County Public Works	01/01/2004	http://www.co.kent.d e.us/Departments/Pu blicWorks/FOGBMPs .htm#PREVENT%20 BLOCKAGES%20IN %20THE%20SANIT ARY%20SEWER%2			No	EPA-HQ-OW-2004-0032-2365

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8.1	03635	Other	A Fact Sheet for Grease Trap 101 - DCN 03635		4	Georgia Department of Natural Resources	08/01/2001	http://www.gadnr.org/ p2ad/Assets/pdf_file s/greasetrap_101.pdf #search=%22food% 20establishments%2 0%22brown%22%20 %22grease%22%22	Food Service Establishmer	L ts	No	EPA-HQ-OW-2004-0032-2366
8.1	03669	Permit, Registration	General Permit for the Discharge of Wastewater Associated with Food Preparation Establishments - DCN 03669		17		09/01/2005	http://dep.state.ct.us/ pao/download.htm	Food Service Establishmen		No	EPA-HQ-OW-2004-0032-2370
8.1	03669A1	Permit, Registration	General Permit for the Discharge of Wastewater Associated with Food Preparation Establishments: Fact Sheet - DCN 03669A1		3		09/01/2005	http://dep.state.ct.us/ pao/download.htm	Food Service Establishmen		No	EPA-HQ-OW-2004-0032-2370.1
8.1	03670	Other	Guidance Document for the Discharge of Wastewater Associated with Food Preparation Establishments - DCN 03670		50	Wright- Pierce and Community Compliance	08/01/2004	http://www.cswd.net/ pdf/FOG/GuidanceD oc.pdf			No	EPA-HQ-OW-2004-0032-2371
8.1	03767	Publication Other Government	Documents from the Pretreatment Division, Town of Cary, NC, on Requirements for Food Service Establishments to Control Fats, Oils and Grease - DCN 03767	The Town of Cary adopted a Fats, Oils & Grease Control Ordinance in 1998 to curb sewer system overflows from accumulatio in lines. The ordinance applies to restaurants and other non-residential facilities where food is prepared or served	n	Pretreatment Division, Town of Cary, NC	10/04/2006	http://www.townofcar y.org/grease/fogsho w.pdf, accessed 10/4/06.	Food Service Establishmer		No	EPA-HQ-OW-2004-0032-2372
8.1	04092	Publication Copyrighted Material	Super degreaser: Inspector keeps Olive Branch's pipes, streams free of oil buildup - DCN 04092		2	Lepeska, Toni	11/13/2006	http://www.commerci alappeal.com/mca/d esoto/article/0,1426, MCA_451_5139244, 00.html			No	EPA-HQ-OW-2004-0032-2708

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8.2	01378	Publication	Personal & Laundry Services: 2002 - DCN 01378		42	US Census Bureau	08/01/2004		Industrial Laundries		No	EPA-HQ-OW-2004-0032-0760
8.2	01386	Publication USEPA	Chemical Used on Water Based Washing Operations at Industrial & Institutional Laundries-Generic Scenario for Estimating Occupational Exposures & Environmental Releases-Draft - DCN 01386		79	US EPA, OPPT - CEB	08/27/2004		Industrial Laundries		No	EPA-HQ-OW-2004-0032-0762
8.2	02076	Support Background	Re-cycle Test Program - DCN 02076		57	Keane, James	03/10/1992		Industrial Laundries		No	EPA-HQ-OW-2004-0032-1031
8.2	02102	Letter, Memorandum, Email	Industrial Laundries - DCN 02102		12	Matuszko, Jan EPA	08/12/2005		Industrial Laundries		No	EPA-HQ-OW-2004-0032-0763
8.2	02182	Publication USEPA	Design for the Environment: Considerations for Partnership-DCN 02182		14	US EPA	03/24/2004		Industrial Laundries		No	EPA-HQ-OW-2004-0032-0765
8.2	02204	Support Background	LaundryESP 2002 Data - DCN 02204		2	Matuszko, Jan EPA	08/09/2005		Industrial Laundries		No	EPA-HQ-OW-2004-0032-0767

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8.2	02205	Support Background	ELG Plan - Laundry ESP - Power Point Presentation - Additional Explanation - DCN 02205		4	Matuszko, Jan EPA	08/09/2005				No	EPA-HQ-OW-2004-0032-0769
8.2	02222	Meeting or Teleconference Materials	Meeting With David Dunlap of the Uniform Textile and Service Association - DCN 02222		2	Matuszko, Jan EPA	01/04/2005				No	EPA-HQ-OW-2004-0032-0771
8.2	02240	Publication	Laundry ESP - Textile Service: Better for the Environment - DCN 02240		6	Wilson, Michael, Dunlap, David	09/01/2004		Industrial Laundries		No	EPA-HQ-OW-2004-0032-0773
8.2	02241	Publication	Proof Positive of the Industry's Environmental Impact - DCN 02241		4	Dunlap, David	09/01/2004		Industrial Laundries		No	EPA-HQ-OW-2004-0032-0774
8.3	01348	Support Background	Firm, Top Executive to Pay \$700,000 Fine For Discharges Violating Clean Water Act		2	BNA	04/08/2005				No	EPA-HQ-OW-2004-0032-1032
8.3	01387	Publication	Photo Industry 2004: Review & Forecast - 01387		13	PMA Marketing Research	01/01/2004		Photographic Processing		No	EPA-HQ-OW-2004-0032-0778

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8.3	01388	Publication	Using the Code of Management Practice to Manage Silver in Photographic Processing Facilities - 01388		16	Kodak Environment al Services	01/01/1999		Photographic Processing	:	No	EPA-HQ-OW-2004-0032-0779
8.3	01525	Publication	Alternative Compliance Measures - Silver: How can publicly owned treatment cost effectively get businesses discharging silver to the collection system to reduce silver loadings if those facilities are not covered under the POTW Pretreatment - 01525		8	American Metropolitan Sewage Authority	11/01/2000		Photographic Processing	:	No	EPA-HQ-OW-2004-0032-0781
8.3	01529	Publication USEPA	Guidance Document for the Control of Water Pollution in the: Photographic Processing Industry - 01529		274	US EPA	04/01/1981		Photographic Processing		No	EPA-HQ-OW-2004-0032-0683
8.3	01599	Publication	Kodak's Many Negatives - DCN 01599		4	Stice, Richard, CFA	01/07/2005		Photographic Processing	:	No	EPA-HQ-OW-2004-0032-0684
8.3	01600	Publication	The Digital Production Press Offers New Business Opportunities - Accelerating Profit with Print on Demand Technology - 01600		4	Fuji Sales & Service Team	10/01/2004		Photographic Processing		No	EPA-HQ-OW-2004-0032-0685
8.3	01601	Publication	Wireless Internet Access Set to Flourish - Promising Future Wireless Internet Suggested by Growth in Wireless Internet Usage and Wireless Device Ownership, Reveals IPSOS- Insight's The Face of the Web 2003 Study - 01601		5		05/11/2004		Photographic Processing	:	No	EPA-HQ-OW-2004-0032-0687

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8.3	01603	Publication	Environmental Update: Agency Switches to Digital Cameras -01603		2	Nebraska Department of Environment al Quali	01/01/2000		Photographic Processing		No	EPA-HQ-OW-2004-0032-0688
8.3	01605	Support Background	Pollution Prevention Checklist for Lithographic Printers - 01605		11	PNEAC			Photographic Processing		No	EPA-HQ-OW-2004-0032-0690
8.3	01606	Support Background	Fuji Pictrography 4500 Thermal Transfer Printer: Product Features - 01606		2	Fuji			Photographic Processing		No	EPA-HQ-OW-2004-0032-0691
8.3	01607	Publication USEPA	RCRA in Focus - Photo Processing - 01607		20	US EPA	01/01/1999		Photographic Processing		No	EPA-HQ-OW-2004-0032-0693
8.3	01886	Letter, Memorandum, Email	Potential 304(m) Candidate: Large Photo Processing Facilities -DCN 01886		3	Johnston, Carey A., US EPA	03/03/2005		Photographic Processing		No	EPA-HQ-OW-2004-0032-0962
8.3	02096	Letter, Memorandum, Email	Photoprocessing -DCN 02096		8	Matuszko, Jan EPA	08/11/2005		Photographic Processing		No	EPA-HQ-OW-2004-0032-0695

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8.3	02230	Publication USEPA	Preliminary Data Summary for the Photoprocessing Industry - DCN 02230		83	US EPA	01/01/1996		Photographic Processing		No	EPA-HQ-OW-2004-0032-0697
8.3	02295	Letter, Memorandum, Email	Photoprocessing Memo - DCN 02295		9	Matuszko, Jan EPA	08/11/2005		Photographic Processing		No	EPA-HQ-OW-2004-0032-0963
8.4	01377	Meeting or Teleconference Materials	Copper in Wastewater Discharges from the Printing & Publishing Industry - Quad/Graphics Inc.		3	Okemo, Audrey	11/09/2004		Printing and Publishing		No	EPA-HQ-OW-2004-0032-0703
8.4	01384	Publication USEPA	Printing Industry & Use Cluster Profile - DCN 01384		175	US EPA, Office of Pollution Prevention&T ox	06/01/1994		Printing and Publishing		No	EPA-HQ-OW-2004-0032-0705
8.4	01385	Publication Copyrighted Material	Pollution Prevention Fact Sheet Sector: Printers/Lithographers, Wastewater - DCN 01385		3	Connecticut DEP	08/01/1999		Printing and Publishing		No	EPA-HQ-OW-2004-0032-0709
8.4	01526	Publication USEPA	Summary of Available Information on the Levels and Control of Toxic Pollutants Discharges in the Printing and Publishing Point Source Category - 01526		142	US EPA	10/01/1983		Printing and Publishing		No	EPA-HQ-OW-2004-0032-0714

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8.4	01527	Publication USEPA	OECA Sector Notebook, Profile of the Printing Industry -DCN 01527		109	US EPA	09/01/1995		Printing and Publishing		No	EPA-HQ-OW-2004-0032-0716
8.4	02227	Meeting or Teleconference Materials	Notes from a meeting held on October 19-21, 2000, at the Chateau Elan Resort in Braselton, Georgia - DCN 02227	2000 R&E Council 50th Annual Critical Trends Conference	14	R&E Council of NAPL	03/22/2005		Printing and Publishing		No	EPA-HQ-OW-2004-0032-0718
8.4	02228	Support Background	Printing - Impacts, Risks and Regulations - DCN 02228		5		03/22/2005		Printing and Publishing		No	EPA-HQ-OW-2004-0032-0720
8.4	02229	Manual	POTW Guidance Manual for the Code of Management Practice for Silver Dischargers - DCN 02229		53	Association of Metropolitan Sewage Agencie			Printing and Publishing		No	EPA-HQ-OW-2004-0032-1034
8.4	02267	Meeting or Teleconference Materials	Copper in Wastewater Discharges from the Printing and Publishing Industry - Quebecor World Buffalo Inc DCN 02267		1	Okemo, Audrey, ERG	11/09/2004		Printing and Publishing		No	EPA-HQ-OW-2004-0032-0723
8.4	02294	Letter, Memorandum, Email	Memorandum to Public Record for the 2006 Effluent Guidelines Program Plan USEPA Docket Number OW-2004-0032 from Jan Matuszko, USEPA/OW/OST re: Printing and Publishing - DCN 02294		26	Matuszko, Jan EPA	08/11/2005		Printing and Publishing		No	EPA-HQ-OW-2004-0032-0039 / 0

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8.4	02609	Publication Copyrighted Material	Chinese Printing Plant Saves a Mint - DCN 02609, SECTION 8.4		3	Pang, Rumin	12/01/2005	Onsite Water Treatment - www.onsitewater.co m (accessed 2/10/06)	Printing and Publishing		No	EPA-HQ-OW-2004-0032-1421
8.4	02614	Publication Copyrighted Material	Case Study: Accomplishing Zero Discharge At A Major Gravure Printing Facility - DCN 02614, SECTION 8.4		1	Mobile Process Technology	02/14/2006	http://www.wateronlin e.com/content/news/ article.asp?docid={d 2c3a5d8-df13-46b5- 8c06- 8f1d2513d6f7}, (accessed February			No	EPA-HQ-OW-2004-0032-1422
8.5	01610	Publication	Bay Area Health Care Industry Leaders Earn Top National Awards - DCN 01610		2	Region 9, US EPA	04/19/2005				No	EPA-HQ-OW-2004-0032-1025
8.5	01806	Report	Pharmaceuticals and Personal Care Products: PPCPs as "Emerging Pollutants -DCN 01806		63	Christian G. Daughton	04/20/2005		Health Services Industry		No	EPA-HQ-OW-2004-0032-0728
8.5	02183	Publication USEPA	EPA Office of Compliance Sector Notebook Probject - Profile of the Healthcare Industry - DCN 02183		155	US EPA	02/01/2005		Health Services Industry		No	EPA-HQ-OW-2004-0032-0729
8.5	02184	Publication	Department Defense Handbook - Nondomestic Wastewater Control and Pretreament Design Criteria - DCN 02184		161	US Department of Defense	10/30/1998		Health Services Industry		No	EPA-HQ-OW-2004-0032-0730

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8.5	02185	Publication Copyrighted Material	Occurrence and Fate of Antibiotics as Trace Contaminants in Wastewaters, Sewage Sludges, and Surface Waters - DCN 02185		7	Walter Giger, et. al., Swiss Federal Inst	08/19/2003		Health Services Industry		No	EPA-HQ-OW-2004-0032-0731
8.5	02186	Report	Endocrine Disrupting Chemicals (EDCs) and Pharmaceuticals and Personal Care Products (PPCPs) in Reclaimed Water in Australia -DCN 02186		35	Australian Water Conservation & Reuse	01/01/2004		Health Services Industry		No	EPA-HQ-OW-2004-0032-0732
8.5	02187	Publication	Water ConservationChecklist: Hospitals/Medical Facilities Every Drop Counts!- DCN 02187		5	North Carolina DE & NRDPPEA	08/01/2002		Health Services Industry		No	EPA-HQ-OW-2004-0032-0734
8.5	02189	Report	Water-Quality Data for Pharmaceuticals, Hormones, and Other Organic Wastewater Contaminants in US Streams, 1999-2000-DCN 02189		8	USGS	01/01/2002		Hospitals		No	EPA-HQ-OW-2004-0032-0736
8.5	02190	Letter, Memorandum, Email	Example Take Back Programs for Unused Pharmacueticals- DCN 2190		1	Johnston, Carey A., US EPA	08/09/2005		Health Services Industry		No	EPA-HQ-OW-2004-0032-0737
8.5	02212	Letter, Memorandum, Email	Medical Waste Facility - DCN 02212		11	Masquelier, Margaret, US EPA Region 9	08/09/2005		Health Services Industry		No	EPA-HQ-OW-2004-0032-0739

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8.5	02220	Support Background	Permitted Offsite Medical Waste Treatment Facilities - DCN 02220		1	State of California, HHS	05/10/2005				No	EPA-HQ-OW-2004-0032-0742
8.5	02224	Publication Copyrighted Material	The Twelve Principles of Green Chemistry - DCN 02224		2	American Chemical Society	08/05/2005		Health Services Industry		No	EPA-HQ-OW-2004-0032-0745
8.5	02257	Report	Household Disposal of Pharmacueticals as a Pathway for Aquatic Contamination in the United Kingdom - DCN 02257		39	Bound, J. P., Voulvoulis, N.	08/09/2005		Health Services Industry		No	EPA-HQ-OW-2004-0032-0749
8.5	02293	Letter, Memorandum, Email	Industry Sectors Being Evaluated Under Proposed "Health Services Industry" Category - DCN 02293		34	Johnston, Carey A., US EPA	08/04/2005		Health Services Industry		No	EPA-HQ-OW-2004-0032-0752
8.5	02324	Report	Discussion Paper on Pharmaceutical Disposal to Sewer Systems - DCN 02324		15	Emergining Contaminant s WGroup Santa Clara	02/01/2005		Health Services Industry		No	EPA-HQ-OW-2004-0032-0754
8.5	02387	Publication Copyrighted Material	Human Pharmaceuticals in US Surface Waters: A Human Health Risk Assessment - DCN 02387		17	Schwab, Bradley W.	08/01/2005	Regulatory Toxicology and Pharmacology 42 (2005) 296-312	Health Services Industry		No	EPA-HQ-OW-2004-0032-1423

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8.5	02443	Publication Copyrighted Material	Transformation of Acetaminophen by Chlorination Produces the Toxicants 1,4- Benzoquinone and N-Acetyl-p-benzoqunione Imine - DCN 02443		7	Bender, Mary, MacCrehan, William A.	11/30/2005		Health Services Industry		No	EPA-HQ-OW-2004-0032-1424
8.5	02627	Publication Copyrighted Material	Metabolites of Pharmaceuticals Identified in Wastewater - DCN 02627		2	Water and Wastewater Products		http://www.stevenspu blishing.com/Stevens /WWPPub.nsf/frame ?open&redirect=http: //www.stevenspublis hing.com/stevens/ww ppub.nsf/PubArchive			No	EPA-HQ-OW-2004-0032-1425
8.5	02661	Publication Copyrighted Material	EDCs in Wastewater: What's the Next Step? - DCN 02661		7	Scruggs, Carlonine Scruggs	03/01/2005	March 2005 - Water Environment and Technology	Health Services Industry		No	EPA-HQ-OW-2004-0032-1426
8.5	02695	Letter, Memorandum, Email	Memorandum to Public Record from Carey Johnston, USEPA/OW/OST - DCN 02695	Pharmaceuticals and Endocrine Disrupting Chemicals Publications Incorporated by Reference from the Universities Council on Water Resources Website (http://www.ucowr.siu.edu/)	g 2	Johnston, Carey A., US EPA	04/24/2006		Health Services Industry		No	EPA-HQ-OW-2004-0032-1466
8.5	02741	Other	Pharmaceuticals and Personal Care Products In the Environment: A White Paper on Options For the Wastewater Treatment Community - DCN 02741		14		11/01/2005	National Association of Clean Water Agencies	Health Services Industry		No	EPA-HQ-OW-2004-0032-1467
8.5	02801	Other	Is There Mercury In Your Industrial Wastewater Discharge? - DCN 02801	An assessment of sampling locations for three industrial wastewater effluent piping systems is presented. The assessment demonstrates that by installing sampling ports at the appropriate location along an effluent stream's piping system, representative samples can be collected. These results prove that a specific industr wastewater discharge does not contain mercury levels that will trigger regulatory enforcement action.		Baxter, Kimberly		Water Online Newsletter, 8/1/05	Health Services Industry		No	EPA-HQ-OW-2004-0032-1468

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8.5	03041	Publication Copyrighted Material	Catalytic Process Breaks Down Hormones In Wastewater - DCN 03041		2	Water and Wastewater Products	06/30/2006				No	EPA-HQ-OW-2004-0032-1434
8.5	03207	Presentation	Managing Pharmaceutical Waste: A 10-Step Blueprint for Healthcare Facilities in the United States - DCN 03207		63	Smith, Charlotte & Pines, Eydie	05/12/2006		Health Services Industry		No	EPA-HQ-OW-2004-0032-1968
8.5	03251	Publication Other Government	Managing Waste from Health Care Providers - DCN 03251		7	Minnesota Pollution Control Agency	10/03/2006	Minnesota Pollution Control Agency, http://www.pca.state. mn.us/publications/w -hw3-34.pdf	Health Services Industry		No	EPA-HQ-OW-2004-0032-2373
8.5	03253	Publication Other Government	Alternate Method to Evaluate Pharmaceutical Waste for the Lethality Characteristic - DCN 03253		4	Minnesota Pollution Control Agency	06/01/2005	Minnesota Pollution Control Agency, http://www.pca.state. mn.us/publications/w -hw4-45b.pdf	Health Services Industry		No	EPA-HQ-OW-2004-0032-2374
8.5	03256	Publication Other Government	Regulatory Consensus On Health Care Issues - DCN 03256		6	Minnesota Pollution Control Agency	10/01/2005	Minnesota Pollution Control Agency, http://www.pca.state. mn.us/publications/w -hw3-35.pdf	Health Services Industry		No	EPA-HQ-OW-2004-0032-2375
8.5	03257	Publication Other Government	Managing Photographic and X-ray Waste - DCN 03257		3	Minnesota Pollution Control Agency	10/01/2003	Minnesota Pollution Control Agency, http://www.pca.state. mn.us/publications/w -hw4-46.pdf	Health Svc/Photogra  ic	ph	No	EPA-HQ-OW-2004-0032-2376

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8.5	03258	Publication Other Government	Evaluating Pharmaceutical Wastes - DCN 03258		4	Minnesota Pollution Control Agency	08/01/2004	Minnesota Pollution Control Agency, http://www.pca.state. mn.us/publications/w -hw4-45a.pdf	Health Services Industry		No	EPA-HQ-OW-2004-0032-2377
8.5	03337	Speech	Overview of Drug Return Programs - DCN 03337		19	Jackson, Sego	05/18/2006	http://www.productst ewardship.us/suppor tingdocs/Pharmaceut icalCallNWPresentati on5-18-06revised.ppt	Services Industry		No	EPA-HQ-OW-2004-0032-2378
8.5	03338	Report	Household Pharmaceutical Waste: Regulatory and Management Issues - DCN 03338		24	TDC Environment al, LLC	08/01/2004	http://www.productst ewardship.us/suppor tingdocs/Pharm_CA WasteMgmt.pdf	Services		No	EPA-HQ-OW-2004-0032-2379
8.5	03339	Publication Other Government	Why Collect Unwanted Pharmaceuticals? - DCN 03339		2	Washington State, DOE	04/01/2006	http://www.productst ewardship.net/PDFs/ productsPharmaceuti calsPharmhandout3- 28-06.pdf	Services		No	EPA-HQ-OW-2004-0032-2380
8.5	03739	Publication USEPA	Guides to Pollution Prevention: Selected Hospital Waste Streams [EPA/625/7-90/009] - DCN 03739	This guide was prepared to provide gener medical and surgical hospitals with guidelines and options to minimize hazardous waste in selected water stream		U.S. EPA	06/01/1990	EPA/625/7-90/009	Health Services Industry		No	EPA-HQ-OW-2004-0032-2381
8.5	03740	Publication Other Government	Pollution Prevention for Hospitals & Medical Facilities - DCN 03740	Working closely with local hospitals, the Regional Water Quality Control Plant (RWQCP) has developed these pollution prevention guidelines to minimize pollutan loadings to the sewer from hospitals and other medical facilities.	25 t	City of Palo Alto, CA	01/01/2000	www.p2pays.org/ref/ 04/03259.pdf	Health Services Industry		No	EPA-HQ-OW-2004-0032-2382

EPA Docket Section	DCN	Document Sub Type	TITLE	ABSTRACT	Page Count	Author	Author Date	Source Citation		Copyright Protected	CBI	Document ID:
8.5	03743	Publication Copyrighted Material	PPCPs' Double Life - DCN 03743	Experts are concerned about the potentia health and environmental impacts of contaminants from pharmaceuticals and personal care products that survive municipal wastewater treatment.	ıl 5	Mahoney, Sherleen H.	09/01/2006	Water & Wastewater Products, Sept/Oct 6(5), http://www.wwp- online.com/Stevens/ WWPPub.nsf/Article s2/8B3AE66BC5871	Health Services Industry		No	EPA-HQ-OW-2004-0032-2383
8.5	03744	Report	Assessment of Technologies for the Removal of Pharmaceuticals and Personal Care Products in Sewage and Drinking Water Facilities to Improve the Indirect Potable Water Reuse - DCN 03744	So far, strategies for municipal wastewate treatment have hardly been focused on th elimination of organic trace pollutants, although for instance prescription and nor prescription pharmaceuticals and persona care products (PPCPs) are produced and used by humans in quantities that exceed thousands of metric tons annually.	e 1- 11	Ternes, Thomas	08/01/2004	Federal Institute of Hydrology (BfG), Koblenz; ESWE- Institute for Water Research and Water Technology, Wiesbaden,			No	EPA-HQ-OW-2004-0032-2384
8.5	03747	Other	Best Management Practice (BMP) for X-Ray and Photo Processors - DCN 03747	This guide has been written for diagnostic ray and photo processors. It contains recommendations for reducing the amoun of silver in waste solutions discharged dow the drain.	t	Bolte, Brian	01/01/2004	Industrial Pretreatment, City of Tulsa, OK	Health Svc/Photograp ic	bh	No	EPA-HQ-OW-2004-0032-2385
8.5	03749	Other	Wastewater Discharge Questionnaire - Health Care Facilities - DCN 03749		3		07/08/2005	Industrial Pretreatment, DC Water and Sewer Authority	Health Services Industry		No	EPA-HQ-OW-2004-0032-2386
8.5	03768	Publication Copyrighted Material	Hospitals Go 'Green' to Cut Toxins, Improve Patient Environment - DCN 03768	Hospitals play a pivotal role in protecting America's health. But the may also have a suprising unhealthy side - inadvertently contributing to illness and pollution by exposing patient and staff to a witch's brev of toxins from building matierials, medical waste, hospital supplies, and cleaning products.	N	Laura Landro	10/04/2006	Wall Street Journal, Page D1	Health Services Industry		No	EPA-HQ-OW-2004-0032-2387
8.5.1	01594	Meeting or Teleconference Materials	Dental Lab Processes - DCN 01594		1	Codding, Eleanor, ERG	11/02/2004		Laboratories, Dental and Medical		No	EPA-HQ-OW-2004-0032-0756

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8.5.3	02188	Publication USEPA	Environmental Technology Verification Report Removal of Mercury from Dental Office Wastewater-DCN 02188		84	NSF Intenational for US EPA	09/01/2002		Dentists and Dental Facili		No	EPA-HQ-OW-2004-0032-0758
8.5.3	02216	Report	Mercury Source Control & Pollution Preventation Program Evaluation - DCN 02216		62	AMSA	07/01/2002		Dentists and Dental Facili		No	EPA-HQ-OW-2004-0032-0761
8.5.3	02232	Publication	Evaluation of Amalgam Removal Equipment and Dental Clinic Loadings to the Sanitary Sewer - DCN 02232		225	Metropolitan Council Environment al Service	12/01/2001		Dentists and Dental Facili		No	EPA-HQ-OW-2004-0032-0764
8.5.3	02233	Publication	Laboratory Evaluation of Amalgam Separators - DCN 02233		8	Fan, P. L., et. al.	01/01/2002		Dentists and Dental Facili		No	EPA-HQ-OW-2004-0032-0766
8.5.3	02234	Publication	Amalgam in Dental Office Wastewater - Addressing the Issue - DCN 02234		5		01/01/2002		Dentists and Dental Facili		No	EPA-HQ-OW-2004-0032-0768
8.5.3	02235	Letter, Memorandum, Email	Comments from Northeast Ohio Regional Sewer District on Region V Draft Mercury Pollutant Minimization Program Guidance - DCN 02235		12	Toot-Levy, Elizabeth R.	09/03/2004		Dentists and Dental Facili		No	EPA-HQ-OW-2004-0032-0770

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8.5.3	02237	Publication	The Effect of Amalgram Separators on Mernury Loading to Wastewater Treatment Plants - DCN 02237		8	Stone, Mark	07/01/2004		Dentists and Dental Facili		No	EPA-HQ-OW-2004-0032-0772
8.5.3	02239	Letter, Memorandum, Email	Dental Wastewater Mercury Concentrations - DCN 02239		7	Stahl, James	11/15/2004		Dentists and Dental Facili		No	EPA-HQ-OW-2004-0032-0775
8.5.3	02621	Publication Copyrighted Material	Dentists Join Fight against Mercury - DCN 02621		3	Mike Penprase	01/20/2006	http://www.news- leader.com/apps/pbc s.dll/article?AID=/200 60120/NEWS01/601 200355 (accessed February 2, 2006)			No	EPA-HQ-OW-2004-0032-1427
8.5.3	02692	Letter, Memorandum, Email	Dental Mercury Publications Incorporated by Reference from the Dental Mercury Environmental Issues Website (http://dentalmercury.com/) - DCN 02692		2	Johnston, Carey A., US EPA	04/24/2006		Dentists and Dental Facili		No	EPA-HQ-OW-2004-0032-1475
8.5.3	02713	Letter, Memorandum, Email	Letter to Representative Donald A. Mazullo, Chair Committee for Small Businesses, U.S. House of Representatives - DCN 02713	Response to request for EPA guidance to POTWs and dental offices on mercury in wastewater from dental amalgam. EPA w consider issuing national guidance from the Office of Water on this subject.	ill	Grumbles, Ben, EPA Asst Administrator	01/05/2006		Dentists and Dental Facili		No	EPA-HQ-OW-2004-0032-1476
8.5.3	02826	Publication Copyrighted Material	Mercury vapor levels in exhaust air from dental vacuum system - DCN 02826	This study was undertaken to determine mercury (Hg) vapor levels in the air exhausted from dental vacuum systems.	6	Stone, Mark E.	01/01/2006	Dental Materials,(2006): 956-1002, www.intl.elsevierheal th.com/journals/dem a (accessed June 2006)	Dentists and Dental Facili		No	EPA-HQ-OW-2004-0032-1435

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8.5.3	02827	Publication Copyrighted Material	Effect of iodine on mercury concentrations in dental-unit wastewater - DCN 02827	This study was undertaken to determine whether iodine used to control bacteria in dental unit waterlines could increase mercury concentrations in dental wastewater.	6	Stone, Mark E.	01/01/2006	Dental Materials, 22(2006):119 - 124	Dentists and Dental Faciliti		No	EPA-HQ-OW-2004-0032-1436
8.5.3	02828	Publication Copyrighted Material	The Effect of Amalgam Separators on Mercury Loading to Wastewater Treatment Plants - DCN 02828	Mercury (Hg) release from dental offices h become an acute issue for the dental profession and has resulted in efforts by regulators to mandate both the use of Bes Management Practices (BMPs) as well as the installation of amalgam separators. Da from several Publicly Owned Treatment Works (POTWs) serving areas with install bases of separators suggest amalgam separators can substantially reduce Hg burdens to WWTPs.	ata	Stone, Mark E.	07/01/2004	CDA Journal, 32, no. 7, (2004): 593- 600, http://www.cda.org/c da_member/pubs/jou rnal/jour0704/index.h tml, (accessed June	Dentists and Dental Faciliti		No	EPA-HQ-OW-2004-0032-1437
8.5.3	02829	Publication Copyrighted Material	Understanding the Impacts of Amalgam and Dental Wastewater - DCN 02829		1	Kao, Richard T.	07/01/2004	CDA Journal, 32, no. 7, (2004): 555, http://www.cda.org/c da_member/pubs/jou rnal/jour0704/index.h tml (accessed June 2006)	Dentists and Dental Faciliti		No	EPA-HQ-OW-2004-0032-1438
8.5.3	02830	Publication Copyrighted Material	Mercury in Our Environment - DCN 02830	This article discusses the benefits and toxicological consequences of society's us of mercury. It also will focus upon the mining, processing, and uses of mercury i the United States, and then highlight the amounts of mercury that are released as wastes.		Barron, Thomas	07/01/2004	CDA Journal, 32, no. 7, (2004): 556- 563, http://www.cda.org/c da_member/pubs/jou rnal/jour0704/index.h tml (accessed June	Dentists and Dental Faciliti		No	EPA-HQ-OW-2004-0032-1439
8.5.3	02831	Publication Copyrighted Material	Cost-Effectiveness of Removing Amalgam From Dental Wastewater - DCN 02831	An assessment was conducted of the use mercury in amalgam in California and the discharge of that mercury from dental facilities to surface waters via the effluent from POTWs and air emissions from sewage sludge incinerators (SSIs).		Vandevan, Jay A., et al.	07/01/2004	CDA Journal, 32, no. 7, (2004): 564- 573, http://www.cda.org/c da_member/pubs/jou rnal/jour0704/index.h tml (accessed June	Dentists and Dental Faciliti	<b>⊻</b> es	No	EPA-HQ-OW-2004-0032-1440
8.5.3	02832	Publication Copyrighted Material	Understanding the Mercury Reduction Issue: The Impact of Mercury on the Environment and Human Health - DCN 02832	This article reviews the toxicology of mercury and the impact of amalgam on health and the environment.	6	Kao, Richard T., et al.	07/01/2004	CDA Journal, 32, no. 7, (2004): 574- 579, http://www.cda.org/c da_member/pubs/jou rnal/jour0704/index.h tml (accessed June	Dentists and Dental Faciliti	<b>⊻</b> ies	No	EPA-HQ-OW-2004-0032-2388

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8.5.3	02833	Publication Copyrighted Material	Dental Amalgam: Regulating Its Use and Disposal - DCN 02833	Review of regulation of use and disposal dental amalgam.	of 3	Pichay, Teresa J.	07/01/2004	CDA Journal, 32, no. 7, (2004): 580- 582, http://www.cda.org/c da_member/pubs/jou rnal/jour0704/index.h tml (accessed June	Dentists and Dental Facilit	<b>∨</b> ies	No	EPA-HQ-OW-2004-0032-1441
8.5.3	02834	Publication Copyrighted Material	The Use of CDA Best Management - DCN 02834 Practices and Amalgam Separators to Improve the Management of Dental Wastewater	This article describes the history of BMPs and amalgam separators usage in California, and examines the practical aspects of their usage in reducing the discharge of dental amalgam into waste streams.	10	Condrin, Amy Knepshield	07/01/2004	CDA Journal, 32, no. 7, (2004): 583- 592, http://www.cda.org/c da_member/pubs/jou rnal/jour0704/index.h tml (accessed June	Dentists and Dental Facilit		No	EPA-HQ-OW-2004-0032-1442
8.5.3	02835	Publication Copyrighted Material	Are There Acceptable Alternatives to Amalgam? - DCN 02835	This article reviews recent studies on the longevity and biocompatibility of alternativ to dental amalgam.	10 ves	Mackert, Jr., J. Rodway, et al.	07/01/2004	CDA Journal, 32, no. 7, (2004): 601- 610, http://www.cda.org/c da_member/pubs/jou rnal/jour0704/index.h tml (accessed June	Dentists and Dental Facilit		No	EPA-HQ-OW-2004-0032-1443
8.5.3	02836	Publication Copyrighted Material	Determination of methyl mercury in dental-unit wastewater - DCN 02836	The objective of this investigation was to establish whether monomethyl mercury (MMHg) is present in dental-unit wastewa and if present, to determine the concentration relative to total mercury.	1 ter	Stone, Mark E., et al.	08/01/2002	Dental Materials, 19,(2003): 675-679	Dentists and Dental Facilit		No	EPA-HQ-OW-2004-0032-1444
8.5.3	02837	Publication Copyrighted Material	Residual Mercury Content and Leaching of Mercury and Silver from Amalgam Capsules - DCN 02837	The objective of this investigation was to carry out residual mercury (Hg) determinations and toxicity characteristic leaching prodcedure (TCLP) analysis of used amalgam capsules.	5	Stone, Mark E., et al.	01/01/2002	Dental Materials 18, (2002): 289-294	Dentists and Dental Facilit		No	EPA-HQ-OW-2004-0032-1445
8.5.3	03033	Report	Environmental Technology Verification Report: Removal of Mercury - DCN 03033		84	U.S. Environment al Protection Agency	09/01/2002				No	EPA-HQ-OW-2004-0032-1477

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8.5.3	03034	Other	Statement of Geoffey Grubbs Director, Office of Science and Technology USEPA before the subcommittee on wellness and Human Rights of the committee on government reform United States House of representatives - DCN 03034		9	Grubbs, Geoffrey	10/08/2003				No	EPA-HQ-OW-2004-0032-1611
8.5.3	03035	Report	EPA's Roadmap for Mercury - DCN 03035		87	U.S. Environment al Protection Agency	07/01/2006				No	EPA-HQ-OW-2004-0032-1612
8.5.3	03264	Publication Other Government	Recognition For Dental Providers Using Amalgam Removal Equipment - DCN 03264		2	Minnesota Pollution Control Agency		Minnesota Pollution Control Agency, http://www.pca.state. mn.us/publications/w q-wwtp1-02.pdf	Dentists and Dental Facilitie	es	No	EPA-HQ-OW-2004-0032-2389
8.5.3	03748	Other	Dental Questionnaire - DCN 03748		2	City of Boulder, Colorado		Industrial Pretreatment, City of Bolder, CO	Dentists and Dental Facilitie	 es	No	EPA-HQ-OW-2004-0032-2390
8.5.6	01519	Support Background	Hospital Numbers - DCN 01519		19	Centers for Medicare & Medicaid Services			Hospitals		No	EPA-HQ-OW-2004-0032-0776
8.5.6	01608	Publication	Tips: Safety and Pollution Prevention Strategies for Wastewater Laboratories - 01608		3	Water	07/01/2004		Hospitals		No	EPA-HQ-OW-2004-0032-0777

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8.5.6	01609	Support Background	Environmental Best Management Practices for Small Businesses - DCN 01609		4	N.C.Dept of Env and Natural Resources	10/01/2004		Hospitals		No	EPA-HQ-OW-2004-0032-0964
8.5.6	01611	Publication USEPA	Tips: Waste Reduction for Health Care Facilities, Part I, II, III, IV - 01611		10	Environment al Protection	06/21/2004		Hospitals		No	EPA-HQ-OW-2004-0032-0780
8.5.6	01612	Support Background	Draft Management of Healthcare Hazardous Waste - DCN 01612		14	US EPA, Region 2	03/01/2004		Hospitals		No	EPA-HQ-OW-2004-0032-0965
8.5.6	02231	Publication USEPA	Preliminary Data Summary for the Hospitals Point Source Category - DCN 02231		88	US EPA	09/01/1989		Hospitals		No	EPA-HQ-OW-2004-0032-0782
8.5.6	02248	Publication USEPA	Development for interim Final Effluent Limitations, Guidelines and Proposed New Source Performance Standards for the Hospital Point Source Category - DCN 02248		126	US EPA	04/01/1976		Hospitals		No	EPA-HQ-OW-2004-0032-0783
8.5.6	02256	Publication	Water Conservation @ Work: Hospitals - DCN 02256		4	SW Florida Water Mangement District	08/05/2005		Hospitals		No	EPA-HQ-OW-2004-0032-0784

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8.5.6	02700	Publication Copyrighted Material	Pollution Prevention - Occupational Safety and Health in Hospitals: Alternatives and Inteventions - DCN 02700		13	Quinn, Margaret	04/01/2006	Journal of Occupational and Environmental Hygiene, 3: pgs 182- 193	Hospitals		No	EPA-HQ-OW-2004-0032-1446
8.5.6	03797	Letter, Memorandum, Email	Memorandum to the Public Record for the 2006 Effluent Guidelines Program Plan: Hospitals and Clinics: Industry profile and wastewater information DCN 03797	Hospitals and Clinics: Industry profile and wastewater information.	18	Johnston, Carey, U.S. EPA	08/11/2005		Hospitals		No	EPA-HQ-OW-2004-0032-2391
8.5.7	02938	Economic Analysis	Request for Clarification of Scope of Proposed "Health Services Industry" Category - DCN 02938		6	Jennifer Mott and Maureen Kaplan, ERG	12/06/2005	Memorandum to James Covington, EPA	Health Services Industry		No	EPA-HQ-OW-2004-0032-1613
8.5.7	02939	Letter, Memorandum, Email	Health Services Industry-Scope Question - DCN 02939	NAICS 621310, 621320, 621340, and 621610 excluded	6	James Covington, USEPA	12/08/2005	e-mail to Maureen Kaplan, Eastern Research Group	Health Services Industry		No	EPA-HQ-OW-2004-0032-1614
8.5.7	02940	Economic Analysis	Heath Services Industry: Number of Facilities, Companies, and Small Businesses - DCN 02940		4	Jennifer Mott and Maureen F. Kaplan, ERG	12/20/2005	Memorandum to James Covington, EPA	Health Services Industry		No	EPA-HQ-OW-2004-0032-1615
8.5.7	02941	Publication Other Government	General Summary: 2002. 2002 Economic Census - DCN 02941	Manufacturing Subject Series	128	U.S. Census	10/01/2005	U.S. Census. Manufacturing Subject Series. EC02-31SG-1	Health Services Industry		No	EPA-HQ-OW-2004-0032-1616

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8.5.7	02942	Publication Other Government	Establishment and Firm Size: 2002 - Including Legal Form of Organization - DCN 02942	Professional, Scientific, and Technical Services	250	U.S. Census	11/01/2005	U.S. Census. Manufacturing Subject Series. EC02-54SS-SZ	Health Services Industry		No	EPA-HQ-OW-2004-0032-1622
8.5.7	02943	Publication Other Government	Establishment and Firm Size: 2002 - Including Legal Form of Organization - DCN 02943	Health Care and Social Assistance Subjects Series	ct 276	U.S. Census	11/01/2005	U.S. Census. Manufacturing Subject Series. EC02-62SS-SZ	Health Services Industry		No	EPA-HQ-OW-2004-0032-1625
8.5.7	02944	Publication Other Government	Small Business Size Standards, Inflation Adjustment to Size Standards; Business Loan Program; Disaster Assistance Loan Program DCN 02944	Interim final rule with request for commen	ıts 19	Small Business Administratio n		Federal Register 70:72577-72595	Health Services Industry		No	EPA-HQ-OW-2004-0032-1626
8.5.7	02945	Economic Analysis	Memorandum to James Covington, EPA - Heath Services Industry: Interim Report on Data Sources for Mailing Lists - DCN 02945	This memorandum is an interim report on the availability and costs of data sources compile mailing lists for each sector		Mott, Jennifer and Kaplan, Maureen, ERG	12/30/2005		Health Services Industry		No	EPA-HQ-OW-2004-0032-1628
8.5.7	02946	Economic Analysis	Memorandum to James Covington, EPA - Health Services Industry: Interim Update #2 on Mailing Lists - DCN 02946	This memorandum summarizes the efforts to date on the Health Services Industry Mailing List.	s 3	Mott, Jennifer and Kaplan, Maureen, ERG	02/28/2006		Health Services Industry		No	EPA-HQ-OW-2004-0032-1631
8.5.7	02947	Economic Analysis	Memorandum to James Covington, EPA - Health Services Industry: Mailing List Data - DCN 02947	This memorandum has two enclosed CDs that contain data collected from the Healt Services mailing list - First CD (DCN 02947A1) - American Veterinary Medical Association. Second CD has a subdirector for each NAICS Industry (DCN 02948 thru 02983).	h ory	Kaplan, Maureen, ERG	06/13/2006		Health Services Industry		No	EPA-HQ-OW-2004-0032-2777

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8.5.7	02947A1	Publication Copyrighted Material	American Veterinary Medical Association 2006 Membership Directory - DCN 02947A1		1046	Commission on Accrediation of Rehabitation	01/01/2006	Commission on Accreditation of Rehabilitation Facilities (CARF) <http: www.carf.org=""></http:>	Health Services Industry		No	EPA-HQ-OW-2004-0032-1447
8.5.7	02947A10	Economic Analysis	Family Planning Centers-Region VIII pdf format - DCN 02947A10		11	Department of Health and Human Services	02/20/2006	Department of Health and Human Services. Office of Public Health and Science. Office of Public Affairs. Title X-Funded Family	Health Services Industry		No	EPA-HQ-OW-2004-0032-1652
8.5.7	02947A11	Economic Analysis	Family Planning Centers-Region IX pdf format - DCN 02947A11		20	Department of Health and Human Services	02/20/2006	Department of Health and Human Services. Office of Public Health and Science. Office of Public Affairs. Title X-Funded Family	Health Services Industry		No	EPA-HQ-OW-2004-0032-1654
8.5.7	02947A12	Economic Analysis	Title X Family Planning Grantees, Delegates, and Clinics- Region X [DCN 02947A12]		9	Department of Health and Human Services	02/20/2006	Department of Health and Human Services. Office of Public Health and Science. Office of Public Affairs. Title X-Funded Family	Health Services Industry		No	EPA-HQ-OW-2004-0032-1657
8.5.7	02947A13	Economic Analysis	Family Planning Centers-Region I Excel format - DCN 02947A13		16	Department of Health and Human Services	03/07/2006	Department of Health and Human Services. Office of Public Health and Science. Office of Public Affairs. Title X-Funded Family	Health Services Industry		No	EPA-HQ-OW-2004-0032-1660
8.5.7	02947A14	Economic Analysis	Family Planning Centers-Region II Excel format - DCN 02947A14		24	Department of Health and Human Services	03/07/2006	Department of Health and Human Services. Office of Public Health and Science. Office of Public Affairs. Title X-Funded Family	Health Services Industry		No	EPA-HQ-OW-2004-0032-1662

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8.5.7	02947A15	Economic Analysis	Family Planning Centers-Region III Excel format - DCN 02947A15		17	Department of Health and Human Services	12/20/2005	Department of Health and Human Services. Office of Public Health and Science. Office of Public Affairs. Title X-Funded Family	Health Services Industry		No	EPA-HQ-OW-2004-0032-1664
8.5.7	02947A16	Economic Analysis	Family Planning Centers-Region IV Excel format - DCN 02947A16		22	Department of Health and Human Services	03/07/2006	Department of Health and Human Services. Office of Public Health and Science. Office of Public Affairs. Title X-Funded Family	Health Services Industry		No	EPA-HQ-OW-2004-0032-1668
8.5.7	02947A17	Economic Analysis	Family Planning Centers-Region V Excel format - DCN 02947A17		9	Department of Health and Human Services	03/07/2006	Department of Health and Human Services. Office of Public Health and Science. Office of Public Affairs. Title X-Funded Family	Health Services Industry		No	EPA-HQ-OW-2004-0032-1669
8.5.7	02947A18	Economic Analysis	Family Planning Centers-Region VI Excel format - DCN 02947A18		13	Department of Health and Human Services	03/07/2006	Department of Health and Human Services. Office of Public Health and Science. Office of Public Affairs. Title X-Funded Family	Health Services Industry		No	EPA-HQ-OW-2004-0032-1671
8.5.7	02947A19	Economic Analysis	Family Planning Centers-Region VII Excel format - DCN 02947A19		4	Department of Health and Human Services	03/07/2006	Department of Health and Human Services. Office of Public Health and Science. Office of Public Affairs. Title X-Funded Family	Health Services Industry		No	EPA-HQ-OW-2004-0032-1672
8.5.7	02947A2	Data	Dental Laboratory Mailing List - DCN 02947A2	InfoUSA database search. Primary SIC 807201. 11123 observations	876	INFOUSA	02/20/2006	InfoUSA database search. Primary SIC 80721 - www.infousa.com	Health Services Industry		No	EPA-HQ-OW-2004-0032-1633

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8.5.7	02947A20	Economic Analysis	Family Planning Centers-Region VIII Excel format - DCN 02947A20		4	Department of Health and Human Services	03/07/2006	Department of Health and Human Services. Office of Public Health and Science. Office of Public Affairs. Title X-Funded Family	Health Services Industry		No	EPA-HQ-OW-2004-0032-1674
8.5.7	02947A21	Economic Analysis	Family Planning Centers-Region IX Excel format - DCN 02947A21		9	Department of Health and Human Services	03/07/2006	Department of Health and Human Services. Office of Public Health and Science. Office of Public Affairs. Title X-Funded Family	Health Services Industry		No	EPA-HQ-OW-2004-0032-1675
8.5.7	02947A22	Economic Analysis	Family Planning Centers-Region X Excel format - DCN 02947A22		4	Department of Health and Human Services	03/07/2006	Department of Health and Human Services. Office of Public Health and Science. Office of Public Affairs. Title X-Funded Family	Health Services Industry		No	EPA-HQ-OW-2004-0032-1679
8.5.7	02947A23	Data	Outpatient Mental Health and Substance Abuse Centers - DCN 02947A23		7491	Department of Health and Human Services	12/20/2005	Department of Health and Human Services. Office of Public Health and Science. Office of Public Affairs. Title X-Funded Family	Health Services Industry		No	EPA-HQ-OW-2004-0032-1682
8.5.7	02947A24	Economic Analysis	HMO Mailing List - DCN 02947A24		7	Department of Health and Human Services	02/21/2006	Department of Health and Human Services. Office of Public Health and Science. Office of Public Affairs. Title X-Funded Family	Health Services Industry		No	EPA-HQ-OW-2004-0032-1685
8.5.7	02947A25	Data	Kidney Dialysis Facility Mailing List - DCN 02947A25		0	Department of Health and Human Services	12/20/2005	Department of Health and Human Services. Office of Public Health and Science. Office of Public Affairs. Title X-Funded Family	Health Services Industry		No	EPA-HQ-OW-2004-0032-1689

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8.5.7	02947A26	Economic Analysis	Kidney Dialysis Facility Mailing List-Data Element Dictionary - DCN 02947A26		6	Department of Health and Human Services	05/12/2005	Department of Health and Human Services. Office of Public Health and Science. Office of Public Affairs. Title X-Funded Family	Health Services Industry		No	EPA-HQ-OW-2004-0032-1691
8.5.7	02947A27	Economic Analysis	Freestanding Ambulatory Surgical Centers - DCN 02947A27		261	Department of Health and Human Services	03/08/2006	Department of Health and Human Services. Office of Public Health and Science. Office of Public Affairs. Title X-Funded Family	Health Services Industry		No	EPA-HQ-OW-2004-0032-2777.1
8.5.7	02947A28	Economic Analysis	Organ Bank Mailing List - DCN 02947A28		5	Department of Health and Human Services	03/08/2006	Department of Health and Human Services. Office of Public Health and Science. Office of Public Affairs. Title X-Funded Family	Health Services Industry		No	EPA-HQ-OW-2004-0032-1700
8.5.7	02947A29	Economic Analysis	Organ Procurement Organization Mailing list - DCN 02947A29		26	Association of Organ Procurement	02/15/2006	Association of Organ Procurement Organizations <http: www.aopo.org<br="">/aopo/content/organi zations/index.asp&gt;</http:>	Health Services Industry		No	EPA-HQ-OW-2004-0032-1855
8.5.7	02947A3	Economic Analysis	Family Planning Centers-Region I pdf format - DCN 02947A3		11	Department of Health and Human Services	02/20/2006	Department of Health and Human Services. Office of Public Health and Science. Office of Public Affairs. Title X-Funded Family	Health Services Industry		No	EPA-HQ-OW-2004-0032-1636
8.5.7	02947A30	Economic Analysis	Hospital Mailing List - DCN 02947A30		590	American Hospital Association	10/26/2001	American Hospital Association	Health Services Industry		No	EPA-HQ-OW-2004-0032-1704

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8.5.7	02947A31	Data	Nursing Home Mailing List - DCN 02947A31		0	Department of Health and Human Services	12/20/2005	Department of Health and Human Services. Office of Public Health and Science. Office of Public Affairs. Title X-Funded Family	Health Services Industry		No	EPA-HQ-OW-2004-0032-1707
8.5.7	02947A32	Economic Analysis	Nursing Home Mailing List-Data Element Directory - DCN 02947A32		4	Department of Health and Human Services	05/12/2005	Department of Health and Human Services. Office of Public Health and Science. Office of Public Affairs. Title X-Funded Family	Health Services Industry		No	EPA-HQ-OW-2004-0032-1710
8.5.7	02947A33	Economic Analysis	Residential Mental Retardation Facilities Mailing List - DCN 02947A33		620	Department of Health and Human Services	03/08/2006	Department of Health and Human Services. Office of Public Health and Science. Office of Public Affairs. Title X-Funded Family	Health Services Industry		No	EPA-HQ-OW-2004-0032-1712
8.5.7	02947A34	Economic Analysis	Intermediate Care Facilities for Persons with Mental Retardation and Developmental Disabilities (ICF MR/DD): Private - DCN 02947A34		13	Department of Health and Human Services	10/01/2005	American Health Care Association <http: www.ahca.org<br="">/research/icf/private_ icf_mrdd_0510.pdf&gt;</http:>	Health Services Industry		No	EPA-HQ-OW-2004-0032-1717
8.5.7	02947A35	Economic Analysis	Intermediate Care Facilities for Persons with Mental Retardation and Developmental Disabilities (ICF MR/DD): Public - DCN 02947A35		13	Department of Health and Human Services	10/01/2005	American Health Care Association <http: www.ahca.org<br="">/research/icf/private_ icf_mrdd_0510.pdf&gt;</http:>	Health Services Industry		No	EPA-HQ-OW-2004-0032-1720
8.5.7	02947A36	Economic Analysis	Continuing Care Retirement Communities (CCRCs) Mailing List - DCN 02947A36		30	Department of Health and Human Services	01/10/2006	Department of Health and Human Services. Office of Public Health and Science. Office of Public Affairs. Title X-Funded Family	Health Services Industry		No	EPA-HQ-OW-2004-0032-1722

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8.5.7	02947A37	Economic Analysis	Continuing Care Retirement Communities (CCRCs) Mailing List - DCN 02947A37		10	Department of Health and Human Services	01/10/2006	Department of Health and Human Services. Office of Public Health and Science. Office of Public Affairs. Title X-Funded Family	Health Services Industry		No	EPA-HQ-OW-2004-0032-1724
8.5.7	02947A4	Economic Analysis	Family Planning Centers-Region II pdf format - DCN 02947A4		17	Department of Health and Human Services	02/20/2006	Department of Health and Human Services. Office of Public Health and Science. Office of Public Affairs. Title X-Funded Family	Health Services Industry		No	EPA-HQ-OW-2004-0032-1638
8.5.7	02947A5	Economic Analysis	Family Planning Centers-Region III pdf format - DCN 02947A5		35	Department of Health and Human Services	02/20/2006	Department of Health and Human Services. Office of Public Health and Science. Office of Public Affairs. Title X-Funded Family	Health Services Industry		No	EPA-HQ-OW-2004-0032-1640
8.5.7	02947A6	Economic Analysis	Family Planning Centers-Region IV pdf format - DCN 02947A6		44	Department of Health and Human Services	02/20/2006	Department of Health and Human Services. Office of Public Health and Science. Office of Public Affairs. Title X-Funded Family	Health Services Industry		No	EPA-HQ-OW-2004-0032-1642
8.5.7	02947A7	Economic Analysis	Family Planning Centers-Region V pdf format - DCN 02947A7		22	Department of Health and Human Services	02/20/2006	Department of Health and Human Services. Office of Public Health and Science. Office of Public Affairs. Title X-Funded Family	Health Services Industry		No	EPA-HQ-OW-2004-0032-1643
8.5.7	02947A8	Economic Analysis	Family Planning Centers-Region VI pdf format - DCN 02947A8		24	Department of Health and Human Services	02/20/2006	Department of Health and Human Services. Office of Public Health and Science. Office of Public Affairs. Title X-Funded Family	Health Services Industry		No	EPA-HQ-OW-2004-0032-1646

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8.5.7	02947A9	Economic Analysis	Family Planning Centers-Region VII pdf format - DCN 02947A9		16	Department of Health and Human Services	02/20/2006	Department of Health and Human Services. Office of Public Health and Science. Office of Public Affairs. Title X-Funded Family	Health Services Industry		No	EPA-HQ-OW-2004-0032-1649
8.6	02101	Letter, Memorandum, Email	Independent and Standalone Laboratories - DCN 02101		9	Matuszko, Jan EPA	08/11/2005		Laboratories, Independent and Stand- Alone		No	EPA-HQ-OW-2004-0032-0785
8.6	02217	Publication USEPA	Environmental Guides For Small Laboratories - DCN 02217		146	US EPA	08/10/2005		Laboratories, Independent and Stand- Alone		No	EPA-HQ-OW-2004-0032-0786
8.6	02279	Support Background	Types of Stand-Alone Laboratories - DCN 02279		9	Finseth, TJ, ERG	05/04/2005		Laboratories, Independent and Stand- Alone		No	EPA-HQ-OW-2004-0032-0787
8.6	02434	Publication Copyrighted Material	Why Are Viscosities Lower for Ionic Liquids with -CH2Si(CH3)3 vs -CH2C(CH3)3 Substitutions on the Imidazolium Cations? - DCN 02434		10	Shirota, Hideaki, Castner, Edward, Jr.	11/10/2005		Laboratories, Independent and Stand- Alone		No	EPA-HQ-OW-2004-0032-1428
8.7	02263	Support Background	Industrial Containers and Drum Cleaning Industry - DCN 02263		4	Matuszko, Jan EPA	04/12/2005		ICDC (Industrial Container and Drum Cleanir		No	EPA-HQ-OW-2004-0032-0788

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8.7	03415	Letter, Memorandum, Email	Memorandum to Public Record for the 2006 Effluent Guidelines Program Plan: Industrial Container and Drum Cleaning Industry, loadings estimates and pass through analysis - DCN 03415	Industrial Container and Drum Cleaning Industry, loadings estimates and pass through analysis.	15	Matuszko, Jan USEPA/OW/ OST	09/11/2006		ICDC (Industrial Container an Drum Cleani		No	EPA-HQ-OW-2004-0032-2392
8.7	04065	Publication Copyrighted Material	Reusable Industrial Packaging Association Webpage - DCN 04065	RIPA is a trade association representing a parts of the industrial packaging industry, including reconditioners, manufacturers, distributors, suppliers, and packagers.	all 1	Reusable Industrial Packaging Association	01/01/2004		ICDC (Industrial Container an Drum Cleani		No	EPA-HQ-OW-2004-0032-2763
8.1	04111	Publication Copyrighted Material	Chevron And City Of Millbrae Turn Kitchen Grease Into Biogas To Power Wastewater Treatment Plant - DCN 04111		2	Chevron Corporation	11/27/2006	Pollution Online, http://www.pollutiono nline.com/content/ne ws/article.asp?docid =64fa7581-fe48- 4d8b-be38- ac3219313add	Food Service Establishmer		No	EPA-HQ-OW-2004-0032-2709
8.10	04126	Letter, Memorandum, Email	Memorandum to Public Record for the 2006 Effluent Guidelines Program Plan, EPA Docket Number OW-2004-0032 about Incorporation by Reference: The Causes and Control of Activated Sludge Bulking and Foaming, EPA- 625-8-87-012, July 1997 - DCN 04126		1	Johnston, Carey, EPA EAD	12/14/2006		Food Service Establishmer		No	EPA-HQ-OW-2004-0032-2732
8.10	04127	Speech	Presentation to North Carolina Pretreatment Consortium: Controlling Oil and Grease at the Metropolitan Sewerage District of Buncombe County, NC - DCN 04127		44	Metropolitan Sewerage District of Buncombe	09/01/2006		Food Service Establishme		No	EPA-HQ-OW-2004-0032-2733
8.10	04131	Publication Copyrighted Material	Rising Above The FOG: In order for removal units to be effective on fats, oils, and grease, they must be properly sized, constructed, installed, and maintained - DCN 04131		4	Stiles, Nikki	11/01/2006	Onsite Water Treatment (http://www.onsitewat er.com)	Food Service Establishme		No	EPA-HQ-OW-2004-0032-2734

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8.3	04117	Publication Other Government	Pollution Prevention and Treatment Alternatives for Silver-Bearing Effluents with Special Emphasis on Photoprocessing - DCN 04117		89	Washington State Dept of Ecology	01/01/1997	http://www.owr.ehnr. state.nc.us/ref/05/04 841.pdf		:	No	EPA-HQ-OW-2004-0032-2735
8.5.6	04115	Speech	Presentation to North Carolina Pretreatment Consortium: Managing Hospital Wastes - DCN 04115		26	Cox, Matthew, Industrial Waste Mgr	09/06/2006		Hospitals		No	EPA-HQ-OW-2004-0032-2731
9.0	01570	Meeting or Teleconference Materials	Industrial Sources of PCB's in Wastewater - 01570		1	Kandle, Meghan, ERG	02/23/2005		PCB		No	EPA-HQ-OW-2004-0032-0789
9.0	03675	Letter, Memorandum, Email	Memorandum to Carey Johnston, and Jan Matuszko, USEPA - DCN 03675	Comments Received Regarding Toxic- Weighting Factors. EPA received comments on the screening-level analysis that supports the 2006 Preliminary Effluen Guidelines Program Plan. Several comments were specific to the toxic- weighting factors (TWFs) used in the PCSLoads2002 and TRIReleases2002 databases. This memorandum addresses the application of TWFs in these database and the resulting effect, if any, on the 2005 and 2006 annual reviews.	t s	Finseth, TJ and Bicknell, Betsy ERG	09/08/2006				No	EPA-HQ-OW-2004-0032-2393
9.0	03903	Meeting or Teleconference Materials	Volume 35: Polycyclic Aromatic Hydrocarbons, Part 4, Bitumens, Coal Tar and Derived Products, Shale Oils and Soots - DCN 03903	Summary of data reported and evaluation PACs.	of 11	WHO, Int'l Agency on Research for Cancer	04/20/1998	http://monographs.iar c.fr/ENG/Monograph s/vol35/volume35.pdf			No	EPA-HQ-OW-2004-0032-2394

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9.1	01542		man Kodak Rochester NY Dioxin and s releases to TRI 2002- 01542		3	Finseth, TJ, ERG	02/07/2005		Metal Finishing, Par 433	t	No	EPA-HQ-OW-2004-0032-0791
9.1	01543	Meeting or Kais Teleconference relea Materials	er Aluminum Polychlorinated Biphenyls ases in TRI 2002 - 01543		1	Finseth, TJ, ERG	01/24/2005		Aluminum Forming		No	EPA-HQ-OW-2004-0032-0792
9.1	01544	Meeting or ONY Teleconference Rele Materials	'X Toxaphene, chlordane, and heptachlor ases in TRI 2002 - 01544		1	Finseth, TJ, ERG	01/19/2005		Landfill, Wast Combustors	e 🗌	No	EPA-HQ-OW-2004-0032-0793
9.1	01545		athon Ashland Detroit MI Dioxin and PACs harges in TRI 2002 - 01545		2	Finseth, TJ, ERG	02/03/2005		Petroleum Refining		No	EPA-HQ-OW-2004-0032-0794
9.1	01546	Meeting or Kimt Teleconference TRI Materials	perly-Clark Everett WA Dioxin releases in 2002 - 01546		6	Finseth, TJ, ERG	01/28/2005		Pulp, Paper & Paperboard		No	EPA-HQ-OW-2004-0032-0797
9.1	01547	Teleconference chlor	n Harbors Deer Park TX Toxaphene, rdane, heptachlor, hexachlorobenzene, and zidine releases in TRI 2002 - 01547		1	Finseth, TJ, ERG	02/03/2005		Landfill, Wast Combustors	e 🗌	No	EPA-HQ-OW-2004-0032-0799

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9.1	01548	Meeting or Teleconference Materials	Vonroll East Liverpool Benzidine Discharges in TRI 2002 - 01548		1	Finseth, TJ, ERG	02/15/2005		Landfill, Was Combustors	ie 🗌	No	EPA-HQ-OW-2004-0032-0801
9.1	01549	Meeting or Teleconference Materials	AK Steel Rockport Sodium Nitrite Releases in TRI 2002 - 01549		1	Finseth, TJ, ERG	01/28/2005		Iron and Stee Manufacturin		No	EPA-HQ-OW-2004-0032-0803
9.1	01550	Meeting or Teleconference Materials	Dupont's EdgeMoor and New Johnsonville Releases in TRI 2002 - 01550		12	Finseth, TJ, ERG	02/28/2005		Inorganic Chemicals		No	EPA-HQ-OW-2004-0032-0811
9.1	01551	Support Background	TRI 2002 Calculation of Mixture TWFs - 01551		2	Finseth, TJ, ERG	01/19/2005				No	EPA-HQ-OW-2004-0032-0814
9.1	01556	Publication USEPA	Toxic Release Inventory: List of Toxic Chemicals within the water Dissociable Nitrate Compound Category & Guidance for Reporting - 01556		15	US EPA	12/01/2000				No	EPA-HQ-OW-2004-0032-0816
9.1	01557	Letter, Memorandum, Email	Information on the Misuse of Sodium Dimethyldithicarbamate - DCN 01557		2	US EPA	06/02/2000		Pesticide Chem Mfg, Formulation & Repackaging		No	EPA-HQ-OW-2004-0032-0966

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9.1	01559	Publication USEPA	The National Nitrate Compliance Initiative - 01559		50	US EPA	04/01/2002		TRI		No	EPA-HQ-OW-2004-0032-0818
9.1	01795	Support Background	TRI 2002 Public Data Release (PDR) Press Packet -DCN 01795		99	EPA	06/01/2004		TRI		No	EPA-HQ-OW-2004-0032-0820
9.1	02162	Letter, Memorandum, Email	EPA Proposes to Measure Toxicity of Dioxins in Annual Reporting - DCN 02162		1	Johnston, Carey A., US EPA	03/07/2005				No	EPA-HQ-OW-2004-0032-0823
9.1	02180	Letter, Memorandum, Email	POTW Percent Removals Used for the TRI Release Databases-DCN 02180		5	Bartram, Deborah, ERG	08/12/2005				No	EPA-HQ-OW-2004-0032-0967
9.1	02197	Support Background	Pulp and Paper PACs TWF - DCN 02197		1	Finseth, TJ, ERG	06/06/2005		Pulp, Paper & Paperboard		No	EPA-HQ-OW-2004-0032-0825
9.1	02199	Support Background	Wood Preserving PACs TWF - DCN 02199		2	Finseth, TJ, ERG	06/06/2005		Wood Preserving		No	EPA-HQ-OW-2004-0032-0830

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9.1	02200	Support Background	Petroleum Refining PACs TWF - DCN 02200		1	Finseth, TJ, ERG	01/05/2005		Petroleum Refining		No	EPA-HQ-OW-2004-0032-0832
9.1	02201	Publication	Creosote TWF - DCN 02201		1	Finseth, TJ, ERG	01/05/2005				No	EPA-HQ-OW-2004-0032-0834
9.1	02287	Data	TRI Releases 2000_v4 - DCN 02287		0	Finseth, TJ, ERG	08/11/2005				No	EPA-HQ-OW-2004-0032-0837
9.1	02288	Data	TRI Raw Data 2002 v2 - DCN 02288		0	Finseth, TJ, ERG	08/10/2005				No	EPA-HQ-OW-2004-0032-0839
9.1	02289	Data	TRI Calculations 2002_v02 and TRI Releases 2002_v02 - DCN 02289		0	Finseth, TJ, ERG	08/11/2005				No	EPA-HQ-OW-2004-0032-0842
9.1	02290	Publication	TRI Manual Database Changes - DCN 02290		32	Finseth, TJ, ERG	08/11/2005				No	EPA-HQ-OW-2004-0032-0848

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9.1	02306	Meeting or Teleconference Materials	TRI 2002 PCB Releases to Wastewater - DCN 02306		1	Kandle, Meghan, ERG	02/28/2005		TRI		No	EPA-HQ-OW-2004-0032-0852
9.1	02750	Other	Bowater Catawba TRI Database Change Request - DCN 02750	Change request for the dioxin distribution Bowater, Catawba, SC	for 1	Lange, Bryan, ERG	02/27/2006		Pulp, Paper & Paperboard		No	EPA-HQ-OW-2004-0032-1727
9.1	02751	Other	Cemex TRI Database Change Request - DCN 02751	Change request for the pounds of dioxin released for Cemex Dixon Cement Plant, Dixon, IL	1	Wolford, Jessica, ERG	01/10/2006		Cement Manufacturing	]	No	EPA-HQ-OW-2004-0032-1732
9.1	02752	Other	Colfax TRI Database Change Request - DCN 02752	Change request for the pounds of dioxin released for Colfax Treating Co, LLC, Pineville, LA	1	Finseth, TJ, ERG	12/06/2005		Timber Products Processing		No	EPA-HQ-OW-2004-0032-1744
9.1	02753	Other	DuPont DeLisle, MS TRI Database Change Request - DCN 02753	Change request for the dioxin distribution and pounds released for DuPont DeLisle, MS	1	Codding, Ellie, ERG	02/16/2006		Inorganic Chemicals		No	EPA-HQ-OW-2004-0032-1747
9.1	02754	Other	DuPont Edgemoor, DE TRI Database Change Request - DCN 02754	Change request for the dioxin distribution and pounds released for DuPont Edgemo DE	1 or,	Codding, Ellie, ERG	02/16/2006		Inorganic Chemicals		No	EPA-HQ-OW-2004-0032-1749

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9.1	02755	Other	DuPont Memphis, TN Database Change Request - DCN 02755	Change request for the dioxin distribution and pounds released for DuPont Memphis TN	1 5,	Finseth, TJ, ERG	02/23/2006		Inorganic Chemicals		No	EPA-HQ-OW-2004-0032-1753
9.1	02756	Other	DuPont Johnsonville, TN Database Change Request - DCN 02756	Change request for the dioxin distribution and pounds released for DuPont Johnsonville, TN	1	Codding, Ellie, ERG	02/16/2006		Inorganic Chemicals		No	EPA-HQ-OW-2004-0032-1755
9.1	02757	Other	Domtar, Ashdown, AR Database Change Request - DCN 02757	Change request for the dioxin distribution Domtar, Ashdown, AR	for 1	Wolford, Jessica, ERG	02/21/2006		Pulp, Paper & Paperboard	k 🗌	No	EPA-HQ-OW-2004-0032-1758
9.1	02758	Other	ExxonMobil Chemical Baton Rouge Chemical Plant Database Change Request - DCN 02758	Change request for PACs load for ExxonMobil, Baton Rouge, LA	1	Finseth, TJ, ERG	12/06/2005		Organic Cher Plastics & Synthetic Fibers (OCPSF)	n, 🗌	No	EPA-HQ-OW-2004-0032-1762
9.1	02759	Other	Georgia-Pacific Corporation Port Hudson Operations Database Change Request - DCN 02759	Change request for the dioxin distribution GP, Zachary, LA	for 1	Wolford, Jessica, ERG	02/21/2006		Pulp, Paper & Paperboard	k 🗌	No	EPA-HQ-OW-2004-0032-1766
9.1	02765	Other	Kimberly-Clark Worldwide Database Change Request - DCN 02765	Change Request for the dioxin distribution for Kimberly-Clark, Everett, WA.	1	Wolford, Jessica, ERG	02/21/2006		Pulp, Paper & Paperboard	× 🗆	No	EPA-HQ-OW-2004-0032-1768

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9.1	02766	Other	LNVA North Regional Treatment Plant Database Change Request - DCN 02766	Change request for the PACs load for LN North Regional Treatment Plant, Beaumo TX.	VA 1 nt,	Wolford, Jessica, ERG	01/10/2006		Centralized Waste Treate	rs	No	EPA-HQ-OW-2004-0032-1771
9.1	02767	Other	Nippon Paper Industries Database Change Request - DCN 02767	Change request for the dioxin distribution Nippon Paper Industries, Port Angeles, W		Wolford, Jessica, ERG	02/21/2006		Pulp, Paper & Paperboard	k 🗌	No	EPA-HQ-OW-2004-0032-1774
9.1	02768	Other	Olin Corporation Database Change Request - DCN 02768	Change request for the phosphorous (whi or yellow) load for Olin Corporation, East Alton, IL.	te 1	Wolford, Jessica, ERG	01/10/2006		Nonferrous Metals Forming and Metal Powder	rs	No	EPA-HQ-OW-2004-0032-1776
9.1	02769	Other	Onyx Environmental Services LLC Database Change Request - DCN 02769	Change request for toxic pollutant loads for Onyx Environmental Services LLC, Port Arthur, TX.	or 1	Finseth, TJ, ERG	12/06/2005		Waste Combustors		No	EPA-HQ-OW-2004-0032-1779
9.1	02770	Other	Sappi Cloquet, MN Database Change Request - DCN 02770	Change request for the dioxin distribution Sappi, Cloquet, MN.	for 1	Wolford, Jessica, ERG	02/21/2006		Pulp, Paper & Paperboard	k 🗆	No	EPA-HQ-OW-2004-0032-1783
9.1	02771	Other	Vonroll Database Change Request - DCN 02771	Change request for the benzidine load for Vonroll, East Liverpool, OH.	1	Finseth, TJ, ERG	12/06/2005		Waste Combustors		No	EPA-HQ-OW-2004-0032-1785

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9.1	02774	Other	Calculation of POTW Removal for Dinitrotoluene (Mixed Isomers) - DCN 02774	Calculation Sheet for POTW Removal of Dinitrotoluene (Mixed Isomers).	1	Wolford, Jessica, ERG	02/17/2006				No	EPA-HQ-OW-2004-0032-2395
9.1	02775	Other	Boise Cascade Corporation Dioxin Distribution Database Change Request - DCN 02775	Change request for the dioxin distribution be changed for Boise Cascade Corporation St. Helens, OR.	to 1 on,	Wolford, Jessica, ERG	02/21/2006				No	EPA-HQ-OW-2004-0032-1791
9.1	02776	Other	Blandin Paper Dioxin Distribution Database Change Request - DCN 02776	Change request for the dioxin distribution be changed for Blandin Paper Company, Grand RAmerican Petroleum Instituteds, MN.	to 1	Wolford, Jessica, ERG	02/21/2006		Pulp, Paper & Paperboard	& 🗆	No	EPA-HQ-OW-2004-0032-1793
9.1	03340	Publication USEPA	Trends in Transfers of Toxic Pollutants to Publicly Owned Treatment Works in EPA Region 5 1988-2002 - DCN 03340		117	′ USEPA Region 5	05/25/2006	http://www.epa.gov/r egion5/water/npdest ek/tri.htm			No	EPA-HQ-OW-2004-0032-2396
9.1	03652	Data	TRIReleases2003_v2 - DCN 03652	Database supporting the 2006 Screening- Level Review for the Effluent Guidelines Program Plan. This database uses data from the Toxics Release Inventory from 2003.	- 0	Finseth, TJ, ERG	09/20/2006				No	EPA-HQ-OW-2004-0032-2397
9.1	03653	Data	TRIReleases2002_v4 - DCN 03653	Database supporting the 2006 Screening- Level Review for the Effluent Guidelines Program Plan. This database uses data from the Toxics Release Inventory from 2002. This is an updated version of TRIReleases2002_v2 (DCN 02289), whic was used for the 2005 Screening-Level Review.		Finseth, TJ, ERG	09/20/2006				No	EPA-HQ-OW-2004-0032-2398

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9.1	03676	Letter, Memorandum, Email	Memorandum to Carey Johnston, and Jan Matuszko, USEPA - DCN 03676	Comments Received Regarding POTW Removals. EPA received comments on th screening-level analysis that supports the 2006 Preliminary Effluent Guidelines Program Plan. Several comments were specific to the POTW removals used in the TRIReleases2002 database. This memorandum summarizes EPA's analyse of POTW removal issues.	e	Finseth, TJ and Bicknell, Betsy, ERG	09/08/2006				No	EPA-HQ-OW-2004-0032-2399
9.1	03741	Meeting or Teleconference Materials	Notes from telephone conversation between TJ Finseth, ERG and Mona Rountree, ONYX Environmental Services LLC - DCN 03741	ONYX Chlordane, Heptachlor, Toxaphene Benzidine, and Hexachlorobenzene discharges in TRI 2003.	e, 1	Finseth, TJ, ERG	12/05/2005		Waste Combustors		No	EPA-HQ-OW-2004-0032-2400
9.1	03742	Meeting or Teleconference Materials	Notes from telephone conversation between TJ Finseth, ERG and Karen Brignac, PPM Consulting - DCN 03742	Colfax dioxin, creosote, and PACs discharges to TRI 2003.	1	Finseth, TJ, ERG	12/06/2005		Timber Products Processing		No	EPA-HQ-OW-2004-0032-2401
9.1	03798	Meeting or Teleconference Materials	Notes from telephone conversation between Chad Easley, Parker Hannifin, and TJ Finseth, ERG - DCN 03798	Phosphorus (yellow or white) transfers to POTWs.	1	Finseth, TJ, ERG	04/25/2006		Metal Finishing, Pai 433	rt	No	EPA-HQ-OW-2004-0032-2402
9.1	03799	Meeting or Teleconference Materials	Notes from telephone conversation between Dean Hall, Milward Alloys, and TJ Finseth, ERG - DCN 03799	Phosphorus (yellow or white) transfers to POTWs.	1	Finseth, TJ, ERG	04/25/2006		Metal Molding and Casting (Foundries)	g 🗌	No	EPA-HQ-OW-2004-0032-2403
9.1	03839	Publication USEPA	Toxics Release Inventory Reporting Forms and Instructions (2002): Table II - DCN 03839	EPCRA Section 313 Chemical List for Reporting Year 2002 (including Toxic Chemical Categories).	24	US EPA	01/01/2003				No	EPA-HQ-OW-2004-0032-2404

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9.1	03840	Publication USEPA	Alternative Disinfectants and Oxidants Guidance Manual - DCN 03840	Chapter 4: Chlorine Dioxide	41	US EPA	04/01/1999 EPA 815-R-99-014			No	EPA-HQ-OW-2004-0032-2405
9.1	03953	Other	Changes made to the TRIReleases2002 Database - DCN 03953	Contains all of the database change reque forms for the TRIReleases2002 database changes that were made during the 2006 annual review. For changes that were ma during the 2005 annual review, see DCN 02290.	for	Finseth, TJ, ERG	01/01/2006			No	EPA-HQ-OW-2004-0032-2406
9.1	03954	Other	Changes made to the PCSLoads2002 Database - DCN 03954	Contains all of the database change reque forms for the PCSLoads2002 database for changes that were made during the 2006 annual review. For changes that were ma during the 2005 annual review, see DCN 02302.	r	Finseth, TJ, ERG	01/01/2006			No	EPA-HQ-OW-2004-0032-2407
9.1	03955	Other	Changes made to the TRIReleases2003 Database - DCN 03955	Contains all of the database change reque forms for the TRIReleases2003 database changes that were made during the 2006 annual review. SIC code changes that we made to the TRIReleases2002 database during the 2005 annual review were carrie over to this database, see DCN 02290.	for ere	Finseth, TJ, ERG	01/01/2006			No	EPA-HQ-OW-2004-0032-2408
9.2	01535	Meeting or Teleconference Materials	Progress Energy Arden NC Telecon - 01535		1	Finseth, TJ, ERG	02/21/2005	Steam Elect Power Generation	ric 🗌	No	EPA-HQ-OW-2004-0032-0854
9.2	01536	Meeting or Teleconference Materials	Duke Energy Chula Vista CA Telecon - 01536		1	Finseth, TJ, ERG	02/15/2005	Steam Elect Power Generation	ric 🗌	No	EPA-HQ-OW-2004-0032-0856

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9.2	01537	Meeting or Teleconference Materials	Notes from telephone conversation between TJ Finseth, Eastern Research Group (ERG) and Michael Ruhe, Duke Energy - DCN 01537		1	Finseth, TJ, ERG	02/22/2005		Steam Electri Power Generation	c 🗌	No	EPA-HQ-OW-2004-0032-0858
9.2	01538	Meeting or Teleconference Materials	Alabama Power Telecon - DCN 01538		1	Finseth, TJ, ERG	02/22/2005		Steam Electri Power Generation	c 🗌	No	EPA-HQ-OW-2004-0032-0860
9.2	01539	Meeting or Teleconference Materials	Gulf Power Pensacola FL Telecon - 01539		1	Finseth, TJ, ERG	02/22/2005		Steam Electri Power Generation	c 🗌	No	EPA-HQ-OW-2004-0032-0861
9.2	01540	Meeting or Teleconference Materials	Gulf Power Chattahoochee FL Telecon - 01540		1	Finseth, TJ, ERG	02/22/2005		Steam Electri Power Generation	c 🗌	No	EPA-HQ-OW-2004-0032-0862
9.2	01541	Meeting or Teleconference Materials	FPL Energy Yarmouth ME Telecon - 01541		1	Finseth, TJ, ERG	02/22/2005		Steam Electri Power Generation	c 🗌	No	EPA-HQ-OW-2004-0032-0865
9.2	01555	Meeting or Teleconference Materials	Unusual Lead & Sulfide Discharges Reported to PCS - DCN 01555		1	Okemo, Audrey, ERG	02/24/2005				No	EPA-HQ-OW-2004-0032-0968

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9.2	01558	Meeting or Teleconference Materials	Unusual Chlorine Discharges Reported to PCS - DCN 01558		1	Okemo, Audrey, ERG	02/24/2005				No	EPA-HQ-OW-2004-0032-0969
9.2	01567	Meeting or Teleconference Materials	2002 DMR Data for Dalecarlia - 01567		1	Kandle, Meghan, ERG	02/11/2005		Drinking Wate Treatment	er 🗌	No	EPA-HQ-OW-2004-0032-0867
9.2	01568	Meeting or Teleconference Materials	PCS Mercury Discharges for Intl Paper for 2002 - 01568		1	Kandle, Meghan, ERG	02/22/2005		Pulp, Paper 8 Paperboard		No	EPA-HQ-OW-2004-0032-0870
9.2	01571	Meeting or Teleconference Materials	EDS Selection of Monitoring Locations for Loads Calculations - DCN 01571		1	Kandle, Meghan, ERG	02/24/2005		PCS		No	EPA-HQ-OW-2004-0032-0871
9.2	01595	Meeting or Teleconference Materials	PCS Report of Elemental Phosphorus Discharge from Outfall 001 - DCN 01595		1	Kandle, Meghan, ERG	03/18/2005		Pulp, Paper 8 Paperboard		No	EPA-HQ-OW-2004-0032-0874
9.2	01888	Meeting or Teleconference Materials	Unusual Sulfide Discharges Reported to PCS - Bacardi Corporation -DCN 01888		1	Kasenge, Audrey, ERG	02/28/2005				No	EPA-HQ-OW-2004-0032-0970

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9.2	01889	Meeting or Teleconference Materials	Unusual Sulfide Discharges Reported to PCS - EPA Region 2 (Bacardi) -DCN 01889		1	Kasenge, Audrey, ERG	03/15/2005				No	EPA-HQ-OW-2004-0032-0971
9.2	01900	Meeting or Teleconference Materials	Unusual Toxaphene Discharges Reported to PCS - Hercules - Brunswick -DCN 01900		1	Kasenge, Audrey, ERG	02/24/2005		Gum and Wood Chemicals		No	EPA-HQ-OW-2004-0032-0972
9.2	02298	Data	PCS Loads 2000 - v6 - DCN 02298		0	Kandle, Meghan, ERG	08/08/2005		PCS 2000		No	EPA-HQ-OW-2004-0032-0054
9.2	02299	Data	PCS Loads 2002 - v02 - DCN 02299		0	Kandle, Meghan, ERG	08/08/2005		PCS 2002		No	EPA-HQ-OW-2004-0032-0880
9.2	02300	Data	Nutrient Analysis.mdb - DCN 02300		0	Kandle, Meghan, ERG	08/09/2005		PCS		No	EPA-HQ-OW-2004-0032-0884
9.2	02302	Support Background	Database Change Requests for PCSLoads 2002 - DCN 02302		38	Kandle, Meghan, ERG	08/10/2005		PCS		No	EPA-HQ-OW-2004-0032-0886

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9.2	02303	Data	PCSLoads 2002 - v 01 - April 1st Version - DCN 02303		0	Kandle, Meghan, ERG	04/01/2005		PCS 2002		No	EPA-HQ-OW-2004-0032-0888
9.2	02307	Publication USEPA	Guidance and Standards for Calculating Point Source Loads Using the Permit Compliance System (PCS) - DCN 02307		14	US EPA	08/11/2005		PCS		No	EPA-HQ-OW-2004-0032-0891
9.2	02308	Support Background	Effluent Data Statistics Systems Code Book - DCN 02308		83	Rubin, Steve, EPA	01/12/2005		PCS		No	EPA-HQ-OW-2004-0032-0894
9.2	03654	Data	PCSLoads2002_v4 - DCN 03654	Database supporting the 2006 Screening- Level Review for the Effluent Guidelines Program Plan. This database uses data from the Permit Compliance System from 2002. This is an updated version of PCSLoads2002_v2 (DCN 02299), which was used for the 2005 Screening-Level Review.	0	Kandle, Meghan, ERG	09/20/2006				No	EPA-HQ-OW-2004-0032-2409
9.2	03950	Analysis	Analysis of the mass quantities reported with less than indicator - DCN 03950	This analysis identified facilities from the Florida, Virginia, and Missouri data set tha had mass quantity values in PCS without a less than indicator when the concentration was reported as BDL.	à	Finseth, TJ, ERG	06/01/2006				No	EPA-HQ-OW-2004-0032-2410
9.2	03951	Analysis	Analysis of Discharges with the Same Concentration Each Month - DCN 03951	This analysis identified pollutant discharge from the Florida, Virginia, and Missouri dat set that had the same concentration reported each month that were not identified as below detection limit.	ta	Finseth, TJ, ERG	06/01/2006				No	EPA-HQ-OW-2004-0032-2411

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9.2	03952	Data	Database Methodology Analyses - DCN 03952	This workbook contains the data for the analyses that are discussed in the memorandum entitled "Response to Comments: Database Methodology Issues	0 s".	Finseth, TJ, ERG	06/01/2006		Steam Electri Power Generation	ic 🗌	No	EPA-HQ-OW-2004-0032-2306
9.2	04075	Letter, Memorandum, Email	Memorandum to Public Record for the Effluent Guidelines Program Plan 2005/2006, EPA Docket Number OW-2004-0032	Review of Nitrogen and Phosphorous Loa Calculated Using 2002 PCS Data	ds 33	Bicknell, Betsy, ERG	10/24/2006				No	EPA-HQ-OW-2004-0032-2533
9.2	04076	Letter, Memorandum, Email	Memorandum to Public Record for the Effluent Guidelines Program Plan, EPA Docket Number OW-2004-0032 - DCN 04076		6	Kandle, Meghan, ERG	11/16/2006				No	EPA-HQ-OW-2004-0032-2757
9.3	02276	Report	Nutrient Releases to the Mississippi River - DCN 02276		5	Knecht, Albert, Louisiana DEQ	08/18/2000				No	EPA-HQ-OW-2004-0032-0896
9.3	02342	Publication Copyrighted Material	Technically Speaking About EDCs and P&PCPs - DCN 02342		3		05/01/2003				No	EPA-HQ-OW-2004-0032-1001
9.3	02343	Publication Copyrighted Material	DNA Microarrays for Detecting Endocrine- Disrupting Compounds - DCN 02343		2	Francois, Emmanuel	12/01/2003				No	EPA-HQ-OW-2004-0032-1002

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9.3	02344	Publication Copyrighted Material	Occurance and Fate of Pharmaceuticals and Personal Care Products and EDCs in a Municipal Water Use Cycle: A Case Study in the City of Ann Arbor - DCN 02344		22	Skadsen, Janec M.	11/01/2004				No	EPA-HQ-OW-2004-0032-1003
9.3	02345	Publication Copyrighted Material	The Solids Retention Time-A Suitable Design Parameter to Evaluate the Capacity of Wastwater Treatment Plants to Remove Micropollutants - DCN 02345		10	Clara, M.	01/01/2005				No	EPA-HQ-OW-2004-0032-1004
9.3	02346	Publication Copyrighted Material	Endocrine Disrupting Chemical Emissions from Combustion Sources: Diesel Particulate Emissions and Domestic Waste Open Burn Emissions - DCN 02346		11	Sidhu, Sukh	01/01/2004			V	No	EPA-HQ-OW-2004-0032-1005
9.3	02347	Publication Copyrighted Material	Effects of Chlorine on the Decrease of Estrogenic Chemicals - DCN 02347		7	Lee, Byoung- Cheun	01/01/2004				No	EPA-HQ-OW-2004-0032-1006
9.3	02348	Publication Copyrighted Material	Analysis and Occurrence of Estrogenic Hormones and Their Glucronides in Surface Waste Water in The Netherlands - DCN 02348		8	Belfroid, A. C.	01/01/1999			V	No	EPA-HQ-OW-2004-0032-1007
9.3	02349	Publication Copyrighted Material	Estrogenic Removal From Wastewater Using NF/RO Membranes - DCN 02349		9	Nghiem, L. D.	01/01/2004				No	EPA-HQ-OW-2004-0032-1008

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9.3	02351	Publication Copyrighted Material	Pharmaceuticals and Personal Care Products (PPCPs) in Surface and Treated Waters of Louisiana, USA and Ontario, Canada -DCN 02351		15	Boyd, Glen R.	01/01/2003				No	EPA-HQ-OW-2004-0032-1009
9.3	02352	Publication Copyrighted Material	Rejection of Organic Micropollutants (Disinfection By-Products, Endocrine Disrupting Compounds, and Pharmaceutically Active Compounds) By NF/RO Membranes - DCN 02352		9	Kimura, Katsuki	01/01/2003				No	EPA-HQ-OW-2004-0032-1010
9.3	02353	Publication Copyrighted Material	Rejection of Neutral Endocrine Disrupting Compounds (EDCs) and Pharmaceutical Active Compounds (PhACs) by RO Membranes -DCN 02353		8	Kimura, Katsuki	01/01/2004				No	EPA-HQ-OW-2004-0032-1011
9.3	02354	Publication Copyrighted Material	Monitoring of Estrogens, Pesticides and Biphenol A in Natural Waters and Drinking Water Treatment Plants by Solid-Phase Extraction-Liquid Chromotography-Mass Spectrometry - DCN 02354		8	Rodriguez- Mozaz, Sara	01/01/2004				No	EPA-HQ-OW-2004-0032-1012
9.3	02355	Publication Copyrighted Material	Identification of Toxic Compounds in Wastewater Treatment Plants During A Field Experiment - DCN 02355		12	Farre, Marinella	01/01/2002				No	EPA-HQ-OW-2004-0032-1013
9.3	02356	Publication Copyrighted Material	Comparing Steroid Estrogen, and Nonylphenol Content Across A Range of European Sewage Plants with Different Treatment and Management Practices - DCN 02356		12	Johnson, A. C.	01/01/2005				No	EPA-HQ-OW-2004-0032-1014

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9.3	02358	Publication Copyrighted Material	Results of Dialog ® Search on EDCs in Wastewater - DCN 02358		9		12/30/2004				No	EPA-HQ-OW-2004-0032-1015
9.3	02359		Conference Agenda 2004 Water Quality Technology Conference and Exposition - DCN 02359		2		12/27/2004		Drinking Wate Treatment	r 🗌	No	EPA-HQ-OW-2004-0032-1016
9.3	02360	Material	HPLC-Fluorescence Detection and Adsoption of Bisphenol A, 17Beta-Estradiol, and 17Alpha- Ethynyl Estradiol on Powered Activated Carbon - DCN 02360		8	Yoon, Yeomin	01/01/2003				No	EPA-HQ-OW-2004-0032-1017
9.3	02361	Publication Copyrighted Material	Factors Affecting the Rejection of Organic Solutes During NF/RO Treatment-A Literature Review - DCN 02361		15	Bellona, Christopher	01/01/2004				No	EPA-HQ-OW-2004-0032-1018
9.3	02362	Publication Copyrighted Material	Advanced Water Treatment With Manganese Oxide for the Removal of 17Alpha- Ethynylestradiol (EE2) - DCN 02362		9	de Rudder, J.	01/01/2004				No	EPA-HQ-OW-2004-0032-1019
9.3	02363	Publication Copyrighted Material	Assessment of River Contamination by Estrogenic Compounds in Paris Area (France) - DCN 02363		12	Cargouet, Maelle	01/01/2004				No	EPA-HQ-OW-2004-0032-1020

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9.3	02364	Publication Copyrighted Material	Analytical Methologies for Detremining the Occurrence of Endocrine Disrupting Chemicals in Sewage Treatment Plants and Natural Waters - DCN 02364	10	Lagana, Aldo	01/01/2004				No	EPA-HQ-OW-2004-0032-1021
9.3	02365	Publication Copyrighted Material	Endocrine Disrupting Compounds: Occurance of EDC in Water Systems - DCN 02365	87	Water Research Commission (South Africa)	09/01/2003				No	EPA-HQ-OW-2004-0032-1022
9.3	02366	Support Background	Potential Sources and Removal of Endocirne Disruping Chemicals for Drinking and Wastewater - DCN 02366	4	Glassmeyer, Susan	01/01/2005				No	EPA-HQ-OW-2004-0032-1023
9.4	01901	Letter, Memorandum, Email	PCS & TRI Facilities that Dominate Total Point Source Category TWPE -DCN 01901	4	Kasenge, Audrey, ERG	04/14/2005				No	EPA-HQ-OW-2004-0032-0899
9.4	02173	Report	2005 Annual Screening-Level Analysis: Supporting the Annual Review of Existing Effluent Limitations Guidelines and Standards and Identification of Potential New Categories for Effluent Limitations Guidelines and Standards - DCN 02173	175	EPA	08/19/2005				No	EPA-HQ-OW-2004-0032-0901
9.4	02173A1	Report	2005 Annual Screening-Level Analysis: Attachments 1 thru 6 - DCN 02173A1	175	EPA	08/19/2005				No	EPA-HQ-OW-2004-0032-0018 / 0

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9.4	02179	Letter, Memorandum, Email	Point Source Category Rankings by Nitrogen and Phosphorus Loads Calculated using 2002 PCS Data -DCN 02179		7	Kandle, Meghan, ERG	08/01/2005				No	EPA-HQ-OW-2004-0032-0908
9.4	02198	Report	QA Project Plan for 2005 Annual Sceening- Level Analysis of TRI and PCS Industrial Category Discharge Data - DCN 02198		2	Bicknell, Betsy, ERG	10/01/2004				No	EPA-HQ-OW-2004-0032-0917
9.5	01959	Federal Register	Notice of availability of 2004 effluent guidelines program plan -DCN 01959		17	US EPA	01/01/2004				No	EPA-HQ-OW-2004-0032-0973
9.5	01960	Meeting or Teleconference Materials	Draft strategy for national clean water industrial regulations- DCN 01960		5	US EPA	01/01/2002				No	EPA-HQ-OW-2004-0032-0974
9.5	01961	Letter, Memorandum, Email	Revisions to EAD's toxic weighting factor methodology parameters -DCN 01961		8	Zipf, Lynn, EPA/EAD	01/01/2003				No	EPA-HQ-OW-2004-0032-0918
9.5	01962	Data	IRIS database for risk assessment -DCN 01962		0	US EPA	01/01/2005				No	EPA-HQ-OW-2004-0032-0921

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9.5	01963	Support Background	Ambient water quality criteria documents for various chemicals published during the 1980s (HOMEPAGE) - DCN 01963		7	US EPA	01/01/2005				No	EPA-HQ-OW-2004-0032-0924
9.5	01964		ECOTOX data base (homepage) - DCN 01964		1	US EPA	01/01/2005				No	EPA-HQ-OW-2004-0032-0927
9.5	01965	Letter, Memorandum, Email	Risk-based concentration table. Region 3 DCN 01965		12	US EPA	01/01/2004				No	EPA-HQ-OW-2004-0032-0929
9.5	01966	Publication USEPA	Methodology for deriving ambient water quality criteria for the protection of human health -DCN 01966		180	US EPA	01/01/2000				No	EPA-HQ-OW-2004-0032-0930
9.5	01967	Publication USEPA	National recommended water quality criteria (EPA Correction Version) -DCN 01967		26	US EPA	01/01/1999				No	EPA-HQ-OW-2004-0032-0931
9.5	01968	Publication USEPA	Technical support document for water quality-based toxics control -DCN 01968		335	US EPA	01/01/1991				No	EPA-HQ-OW-2004-0032-0935

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9.5	01969	Publication USEPA	Short-term methods for estimating the chronic toxicity of effluent and receiving waters to freshwater organismsDCN 01969		350	US EPA	01/01/1989				No	EPA-HQ-OW-2004-0032-0937
9.5	01970	Publication USEPA	Ambient water quality criteria for copper -DCN 01970		170	US EPA	01/01/1980				No	EPA-HQ-OW-2004-0032-0919
9.5	01971	Letter, Memorandum, Email	Report on uncertainty factors (UF) and relative source contributions (RSC) for chemicals in the six year review -DCN 01971		5	Bell, F	01/01/2000				No	EPA-HQ-OW-2004-0032-0920
9.5	01972	Federal Register	National recommended water quality criteria for the protection of human health -DCN 01972		9	US EPA	01/01/2003				No	EPA-HQ-OW-2004-0032-0922
9.5	01973	Report	Exposure and human health reassessment of 2,3,7,8-tetrachlorodibenzo-p-dioxin (TCDD) and related compounds -DCN 01973		17	US EPA	01/01/2003				No	EPA-HQ-OW-2004-0032-0923
9.5	01974	Publication USEPA	Methodology for deriving ambient water quality criteria for the protection of human health technical support document volume 2: development of national bioaccumulation factors -DCN 01974		210	US EPA	01/01/2003				No	EPA-HQ-OW-2004-0032-0925

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9.5	01975	Publication USEPA	National recommended water quality criteria - DCN 01975		36	US EPA	01/01/2002				No	EPA-HQ-OW-2004-0032-0926
9.5	01976	Publication USEPA	National recommended water quality criteria: human health criteria calculation matrix -DCN 01976		23	US EPA	01/01/2002				No	EPA-HQ-OW-2004-0032-0928
9.5	01977	Federal Register	Revisions to the methodology for deriving ambient water quality criteria for the protection of human health (2000) -DCN 01977		40	US EPA	01/01/2000				No	EPA-HQ-OW-2004-0032-0798
9.5	01978	Publication USEPA	Great Lakes Water Quality Initiative technical support document for the procedure to determine bioaccumulation factors-DCN 01978		197	US EPA	01/01/1995				No	EPA-HQ-OW-2004-0032-0800
9.5	01979	Data	Health assessment document for polychlorinated dibenzo-p-dioxins -DCN 01979		0	US EPA	01/01/1985				No	EPA-HQ-OW-2004-0032-0802
9.5	01980	Letter, Memorandum, Email	Fixes to toxic weighting factor (TWF) database - DCN 01980		20	ERG	01/01/2004				No	EPA-HQ-OW-2004-0032-0804

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9.5	01981	Publication	Toxic equivalency factors (TEFs) for PCBs, PCDDs, PCDFs for humans and wildlife -DCN 01981		18	Van den Berg, et al	01/01/1998				No	EPA-HQ-OW-2004-0032-0805
9.5	01982	Publication	Standard methods for the examination of water and wastewater -DCN 01982		29	АРНА	01/01/1995				No	EPA-HQ-OW-2004-0032-0807
9.5	01983		Assessment tools for the evaluation of risk database. Results of data request for chemicals in the Drinking Water Contaminant Candidate List 2 category -DCN 01983		117	ASTER	01/01/2005				No	EPA-HQ-OW-2004-0032-0810
9.5	01984	Data	Assessment tools for the evaluation of risk database. Results of data request for 21 chemicals in the PAC category -DCN 01984		0	ASTER	01/01/2004				No	EPA-HQ-OW-2004-0032-0812
9.5	01985	Support Background	The world of organotin chemicals: applications, substitutes, and the environment -DCN 01985		12	Batt, J.M.	01/01/2005				No	EPA-HQ-OW-2004-0032-0813
9.5	01986	Publication	Nicotine poisoning after ingestion of contaminated ground beef—Michigan, 2003 DCN 01986		28	Boulton, M., M., Stanbury	01/01/2003				No	EPA-HQ-OW-2004-0032-0815

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9.5	01987	Publication	Green tobacco sickness in tobacco harvesters —Kentucky 1992. DCN -01987		20	Boylan, B., V. Brandt et al	01/01/1993				No	EPA-HQ-OW-2004-0032-0817
9.5	01988	Federal Register	Drinking water contaminant candidate list 2; final notice -DCN 01988		7	US EPA	01/01/2005				No	EPA-HQ-OW-2004-0032-0819
9.5	01989		Ag 101. Nitrate -DCN 01989		2	US EPA	01/01/2005				No	EPA-HQ-OW-2004-0032-0821
9.5	01990		Consumer factsheet on: nitrates/nitrites -DCN 01990		4	US EPA	01/01/2005				No	EPA-HQ-OW-2004-0032-0822
9.5	01991	Federal Register	Pesticide reregistration performance measures and Goals -DCN 01991		11	US EPA	01/01/2004				No	EPA-HQ-OW-2004-0032-0824
9.5	01992	Publication USEPA	Ambient aquatic life water quality criteria for tributyltin (TBT)—final -DCN 01992		138	US EPA	01/01/2003				No	EPA-HQ-OW-2004-0032-0826

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9.5	01993		OPP office director memo on grouping triazines. A common mechanism of toxicity determination for a series of triazine pesticides - DCN 01993		5	US EPA	01/01/2002				No	EPA-HQ-OW-2004-0032-0827
9.5	01994	Federal Register	Nicotine: tolerance revocations-DCN 01994		4	US EPA	01/01/2002				No	EPA-HQ-OW-2004-0032-0828
9.5	01995	Federal Register	Water quality criteria: notice of availability of water quality criterion for the protection of human health: methylmercury -DCN01995		16	US EPA	01/01/2001				No	EPA-HQ-OW-2004-0032-0829
9.5	01996	Support Background	Emergency Planning and Community Right-to- Know Act—section 313: guidance for reporting toxic chemicals: polycyclic aromatic compounds category -DCN01996		40	US EPA	01/01/2001				No	EPA-HQ-OW-2004-0032-0831
9.5	01997	Publication USEPA	Supplementary guidance for conducting health risk assessment of chemical mixtures -DCN 01997		209	US EPA	01/01/2000				No	EPA-HQ-OW-2004-0032-0833
9.5	01998	Publication USEPA	1999 update of ambient water quality criteria for ammonia -DCN 01998		153	US EPA	01/01/1999				No	EPA-HQ-OW-2004-0032-0835

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9.5	01999		Pesticides: topical and chemical fact sheets. New data will help ensure protection of children DCN 01999		3	US EPA	01/01/1999				No	EPA-HQ-OW-2004-0032-0836
9.5	02000	Federal Register	Addition of certain chemicals; toxic chemical release reporting; community right-to-know - DCN02000		55	US EPA	01/01/1994				No	EPA-HQ-OW-2004-0032-0838
9.5	02001		Integrated Risk Information System. Nitrate (CAS 147-55-8) -DCN 02001		10	IRIS	01/01/2005				No	EPA-HQ-OW-2004-0032-0840
9.5	02002		Integrated Risk Information System. Ammonia (CAS 7664-41-7) -DCN 02002		12	IRIS	01/01/2005				No	EPA-HQ-OW-2004-0032-0841
9.5	02003		Integrated Risk Information System. Perchlorate and perchlorate salts (CAS 7790- 98-9 ammonium perchlorate, CAS 7791-03-9 lithium perchlorate, CAS 7778-74-7 potassium perchlorate, and CASRN 7601-89-0 sodium perchlorate) -DCN 02003		17	IRIS	01/01/2005				No	EPA-HQ-OW-2004-0032-0843
9.5	02004	Data	Integrated Risk Information System. Nitrite (CAS 147-65-0)DCN 02004		0	IRIS	01/01/2004				No	EPA-HQ-OW-2004-0032-0844

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9.5	02005	Support Background	Responses of electric fish (family Mormyridae) to Inorganic nutrients and tributyltin oxide - DCN 02005		17	Lewis, J.W., A.N. Kay	01/01/1995				No	EPA-HQ-OW-2004-0032-0845
9.5	02006		Chronic bioassays of rainbow trout fry with compounds representative of contaminants in Great Lakes fish -DCN 02006		3	Passino- Reader, D.R., W.H. Berlin	01/01/1995				No	EPA-HQ-OW-2004-0032-0846
9.5	02007	Publication	PAN pesticides database—chemicals. Alachlor - DCN 02007		1	Pesticide Action Network	01/01/2005				No	EPA-HQ-OW-2004-0032-0847
9.5	02008	Publication	Statistical methods -DCN 02008		2	Snedcor, G.W., and W.G. Cochrane	01/01/1980				No	EPA-HQ-OW-2004-0032-0849
9.5	02009	Publication	TRI List of Toxic Chemicals within the Water Dissociable Nitrate Compounds Category and Guidance for Reporting - DCN 02009		15	TRI	01/01/2000				No	EPA-HQ-OW-2004-0032-0850
9.5	02011	Data	December 2004 Version of the Toxic Weighting Factors Database - RSC - DCN 02011		0	ERG	01/01/2004				No	EPA-HQ-OW-2004-0032-0853

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9.5	02012	Data	December 2004 Version of the Toxic Weighting Factors DatabaseNO RSC -DCN 02012		0	ERG	01/01/2004				No	EPA-HQ-OW-2004-0032-0855
9.5	02013		Toxic Weighting Factor Development in Support of the 304(m) Planning Process - DCN 02013		108	ERG	01/01/2005				No	EPA-HQ-OW-2004-0032-0857
9.5	02129	Letter, Memorandum, Email	Approaches to Measuring Impacts of Nutrients - DCN 02129		9	Laughland, Drew, ERG	06/28/2005				No	EPA-HQ-OW-2004-0032-2412
9.5	02135	Federal Register	Drinking water contaminant candidate list 2; final notice - DCN 02135		7	EPA	01/01/2005				No	EPA-HQ-OW-2004-0032-1027
9.5	02141		Nicotine: Tolerance Revocations - DCN 02141		4	EPA	01/01/2002				No	EPA-HQ-OW-2004-0032-0902
9.5	02286	Data	December 2004 TWFs - DCN 02286		0		12/21/2004				No	EPA-HQ-OW-2004-0032-0985

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9.5	02772	Other	Calculation of TWF for Dinitrotoluene (Mixed Isomers) Calculation sheet- DCN 02772	Calculation Sheet for the Calculation of TW for Ninitrotoluene (Mixed Isomers).	F 1	Wolford, Jessica, ERG	02/17/2006				No	EPA-HQ-OW-2004-0032-1796
9.5	02773	Other	Calculation of TWF for Dinitrotoluene (Mixed Isomers) Table - DCN 02773	Calculation of TWF for Dinitrotoluene (Mixe Isomers) Table.	d 1	Wolford, Jessica, ERG	02/17/2006				No	EPA-HQ-OW-2004-0032-1797
9.5	03049	Data	ASTER report for Allethrin - DCN 03049		10	EPA	10/20/2004	ASTER (EPA database)			No	EPA-HQ-OW-2004-0032-1800
9.5	03050	Data	ASTER report for Docosane, n DCN 03050		5	EPA	10/20/2004	ASTER (EPA database)			No	EPA-HQ-OW-2004-0032-1801
9.5	03051	Data	ASTER report for Eicosane, n DCN 03051		3	EPA	10/20/2004	ASTER (EPA database)			No	EPA-HQ-OW-2004-0032-1802
9.5	03052	Data	ASTER report for Permethrin II - DCN 03052		7	EPA	10/20/2004	ASTER (EPA database)			No	EPA-HQ-OW-2004-0032-1803

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9.5	03053	Data	ASTER report for Permethrin I - DCN 03053		7	EPA	10/20/2004	ASTER (EPA database)			No	EPA-HQ-OW-2004-0032-1805
9.5	03054	Data	ASTER report for Pyrethrin I - DCN 03054		3	EPA	10/20/2004	ASTER (EPA database)			No	EPA-HQ-OW-2004-0032-1806
9.5	03089	Data	ASTER report for Resmethrin - DCN 03089		9	EPA		ASTER (EPA database)			No	EPA-HQ-OW-2004-0032-1807
9.5	03090	Data	ASTER report for Sumithrin - DCN 03090		6	EPA		ASTER (EPA database)			No	EPA-HQ-OW-2004-0032-1809
9.5	03091	Data	ASTER report for Tetracosane, n DCN 03091		3	EPA		ASTER (EPA database)			No	EPA-HQ-OW-2004-0032-1810
9.5	03092	Data	ASTER report for Tetramethrin\Neo-pynamin - DCN 03092		5	EPA	10/20/2004	ASTER (EPA database)			No	EPA-HQ-OW-2004-0032-1812

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9.5	03093	Data	ASTER report for 1, 1'-oxybis-2-propanol - DCN 03093		5	EPA	10/20/2004	ASTER (EPA database)			No	EPA-HQ-OW-2004-0032-1813
9.5	03094	Data	ASTER report for Nitrosomorphine, N DCN 03094		6	EPA	10/20/2004	ASTER (EPA database)			No	EPA-HQ-OW-2004-0032-1814
9.5	03095	Data	ASTER report for Trichloromethane - DCN 03095		25	EPA	10/20/2004	ASTER (EPA database)			No	EPA-HQ-OW-2004-0032-1815
9.5	03096	Data	ASTER report for Sodium Nitrite - DCN 03096		48	EPA	10/20/2004	ASTER (EPA database)			No	EPA-HQ-OW-2004-0032-1816
9.5	03097	Data	ASTER report for Vinyl Chloride - DCN 03097		7	EPA	10/20/2004	ASTER (EPA database)			No	EPA-HQ-OW-2004-0032-1817
9.5	03098	Data	ASTER report for Nitrite - DCN 03098		3	EPA	10/20/2004	ASTER (EPA database)			No	EPA-HQ-OW-2004-0032-1818

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9.5	03099	Data	ASTER report for Nitrate - DCN 03099		5	EPA	10/20/2004	ASTER (EPA database)			No	EPA-HQ-OW-2004-0032-1819
9.5	03100	Data	ASTER report for Nitric Acid - DCN 03100		5	EPA	11/22/2004	ASTER (EPA database)			No	EPA-HQ-OW-2004-0032-1820
9.5	03101	Data	ASTER report for Hydrogen Fluoride - DCN 03101		3	EPA	11/22/2004	ASTER (EPA database)			No	EPA-HQ-OW-2004-0032-1821
9.5	03102	Data	ASTER report for Mercury - DCN 03102		73	EPA		ASTER (EPA database)			No	EPA-HQ-OW-2004-0032-1822
9.5	03103	Data	ASTER report for Methylmercury - DCN 03103		12	EPA		ASTER (EPA database)			No	EPA-HQ-OW-2004-0032-1823
9.5	03104	Data	ASTER report for Chlorine Dioxide - DCN 03104		7	EPA		ASTER (EPA database)			No	EPA-HQ-OW-2004-0032-1824

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9.5	03105	Data	ASTER report for 1,3-Phenylenediamine 1,3- Benzenediamine - DCN 03105		4	EPA	11/22/2004	ASTER (EPA database)			No	EPA-HQ-OW-2004-0032-1825
9.5	03106	Data	ASTER report for Benzo(a)pyrene - DCN 03106		43	EPA	11/22/2004	ASTER (EPA database)			No	EPA-HQ-OW-2004-0032-1826
9.5	03107	Data	ASTER report for Aniline Benzenamine - DCN 03107		31	EPA	11/22/2004	ASTER (EPA database)			No	EPA-HQ-OW-2004-0032-1827
9.5	03108	Data	ASTER report for Vanadium - DCN 03108		7	EPA		ASTER (EPA database)			No	EPA-HQ-OW-2004-0032-1828
9.5	03109	Data	ASTER report for Benzo(a)anthracene - DCN 03109		11	EPA		ASTER (EPA database)			No	EPA-HQ-OW-2004-0032-1829
9.5	03110	Data	ASTER report for Benzo(a)phenanthrene Chrysene - DCN 03110		10	EPA		ASTER (EPA database)			No	EPA-HQ-OW-2004-0032-1830

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9.5	03111	Data	ASTER report for Benzo(a)pyrene - DCN 03111		43	EPA		ASTER (EPA database)			No	EPA-HQ-OW-2004-0032-1831
9.5	03112	Data	ASTER report for Benzo(b)fluoranthene Benz[e]acephenanthrylene - DCN 03112		7	EPA		ASTER (EPA database)			No	EPA-HQ-OW-2004-0032-1832
9.5	03113	Data	ASTER report for Benzo(j)fluoranthene - DCN 03113		4	EPA		ASTER (EPA database)			No	EPA-HQ-OW-2004-0032-1833
9.5	03114	Data	ASTER report for Benzo(k)fluoranthene - DCN 03114		7	EPA		ASTER (EPA database)			No	EPA-HQ-OW-2004-0032-1834
9.5	03115	Data	ASTER report for Benzo(j,k)fluoranthene Fluoranthene - DCN 03115		20	EPA		ASTER (EPA database)			No	EPA-HQ-OW-2004-0032-1835
9.5	03116	Data	ASTER report for Benzo(r,s,t)pentaphene - DCN 03116		5	EPA		ASTER (EPA database)			No	EPA-HQ-OW-2004-0032-1836

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9.5	03117	Data	ASTER report for Dibenz(a,h)acridine - DCN 03117		5	ЕРА	11/22/2004	ASTER (EPA database)			No	EPA-HQ-OW-2004-0032-1837
9.5	03118	Data	ASTER report for Dibenz(a,j)acridine - DCN 03118		6	EPA	11/22/2004	ASTER (EPA database)			No	EPA-HQ-OW-2004-0032-1838
9.5	03119	Data	ASTER report for Dibenzo(a,h)anthracene - DCN 03119		8	EPA		ASTER (EPA database)			No	EPA-HQ-OW-2004-0032-1839
9.5	03120	Data	ASTER report for Dibenzo(a,e)fluoranthene - DCN 03120		3	EPA	11/22/2004	ASTER (EPA database)			No	EPA-HQ-OW-2004-0032-1840
9.5	03121	Data	ASTER report for Dibenzo(a,e)pyrene NAPHTHO[1,2,3,4-DEF]CHRYSENE - DCN 03121		3	EPA		ASTER (EPA database)			No	EPA-HQ-OW-2004-0032-1841
9.5	03122	Data	ASTER report for Dibenzo(a,h)pyrene - DCN 03122		3	EPA		ASTER (EPA database)			No	EPA-HQ-OW-2004-0032-1842

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9.5	03123	Data	ASTER report for Dibenzo(a,I)pyrene DIBENZO[DEF,P]CHRYSENE - DCN 03123		3	EPA		ASTER (EPA database)			No	EPA-HQ-OW-2004-0032-1843
9.5	03124	Data	ASTER report for 7H-Dibenzo(c,g)carbazole - DCN 03124		6	EPA		ASTER (EPA database)			No	EPA-HQ-OW-2004-0032-1844
9.5	03125	Data	ASTER report for 7,12- Dimethylbenz(a)anthracene - DCN 03125		11	EPA	11/22/2004	ASTER (EPA database)			No	EPA-HQ-OW-2004-0032-1845
9.5	03126	Data	ASTER report for Indeno(1,2,3-cd)pyrene - DCN 03126		5	EPA		ASTER (EPA database)			No	EPA-HQ-OW-2004-0032-1846
9.5	03127	Data	ASTER report for 3-Methylcholanthrene - DCN 03127		12	EPA		ASTER (EPA database)			No	EPA-HQ-OW-2004-0032-1847
9.5	03128	Data	ASTER report for 5-methylchrysene - DCN 03128		4	EPA		ASTER (EPA database)			No	EPA-HQ-OW-2004-0032-1848

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9.5	03129	Data	ASTER report for 1-Nitropyrene - DCN 03129		4	EPA		ASTER (EPA database)			No	EPA-HQ-OW-2004-0032-1849
9.5	03160	Letter, Memorandum, Email	No data for generic PAC - DCN 03160		2	Kinziger, Brian	11/23/2004	ASTER (EPA database)			No	EPA-HQ-OW-2004-0032-1850
9.5	03161	Data	ASTER report for Sodium Hypochlorite - DCN 03161		29	EPA		ASTER (EPA database)			No	EPA-HQ-OW-2004-0032-1851
9.5	03162	Data	ASTER report for Hypochlorous Acid - DCN 03162		19	EPA		ASTER (EPA database)			No	EPA-HQ-OW-2004-0032-1852
9.5	03163	Data	ASTER report for Hypochlorite - DCN 03163		3	EPA		ASTER (EPA database)			No	EPA-HQ-OW-2004-0032-1853
9.5	03164	Data	ASTER report for 1,1-Dichloropropene - DCN 03164		7	EPA		ASTER (EPA database)			No	EPA-HQ-OW-2004-0032-1854

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9.5	03165	Data	ASTER report for 1,2-Dichloropropane - DCN 03165		8	EPA		ASTER (EPA database)			No	EPA-HQ-OW-2004-0032-1856
9.5	03166	Data	ASTER report for Acetochlor - DCN 03166		6	EPA		ASTER (EPA database)			No	EPA-HQ-OW-2004-0032-1857
9.5	03167	Data	ASTER report for Alachlor 2-Chloro-2',6'-diethyl- N-(methoxymethyl)-acetanilide - DCN 03167		18	EPA		ASTER (EPA database)			No	EPA-HQ-OW-2004-0032-1858
9.5	03168	Data	ASTER report for Bromobenzene - DCN 03168		7	EPA		ASTER (EPA database)			No	EPA-HQ-OW-2004-0032-1859
9.5	03169	Data	ASTER report for DCPA mono-acid degradate 1,4-BENZENEDICARBOXYLIC ACID, 2,3,5,6- TETRACHLORO-, MONOMETHL ESTER - DCN 03169		3	EPA		ASTER (EPA database)			No	EPA-HQ-OW-2004-0032-1860
9.5	03170	Data	ASTER report for DCPA di-acid degradate 1,4- BENZENEDICARBOXYLIC ACID, 2,3,5,6- TETRACHLORO- DCN 03170		4	EPA		ASTER (EPA database)			No	EPA-HQ-OW-2004-0032-1861

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9.5	03171	Data	ASTER report for Perchlorate - DCN 03171		3	EPA	03/02/2005	ASTER (EPA database)			No	EPA-HQ-OW-2004-0032-1862
9.5	03172	Data	ASTER report for Ammonium Perchlorate - DCN 03172		3	EPA	03/02/2005	ASTER (EPA database)			No	EPA-HQ-OW-2004-0032-1863
9.5	03173	Data	ASTER report for Lithium Perchlorate - DCN 03173		3	EPA		ASTER (EPA database)			No	EPA-HQ-OW-2004-0032-1864
9.5	03174	Data	ASTER report for Potassium Perchlorate - DCN 03174		7	EPA		ASTER (EPA database)			No	EPA-HQ-OW-2004-0032-1865
9.5	03175	Data	ASTER report for Sodium Perchlorate - DCN 03175		4	EPA		ASTER (EPA database)			No	EPA-HQ-OW-2004-0032-1866
9.5	03176	Data	ASTER report for RDX Hexahydro-1,3,5-trinitro- 1,2,3-triazine - DCN 03176		13	EPA		ASTER (EPA database)			No	EPA-HQ-OW-2004-0032-1867

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9.5	03177	Data	ASTER report for Atrazine-desethyl - DCN 03177		3	EPA		ASTER (EPA database)			No	EPA-HQ-OW-2004-0032-1868
9.5	03178	Data	ASTER report for Atrazine - DCN 03178		84	EPA		ASTER (EPA database)			No	EPA-HQ-OW-2004-0032-1869
9.5	03179	Data	ASTER report for Simazine 6-Chloro-N,N'- diethyl-1,3,5-triazine-2,4-diamine - DCN 03179		30	EPA		ASTER (EPA database)			No	EPA-HQ-OW-2004-0032-1871
9.5	03180	Data	ASTER report for Cyanazine 2-[[4-Chloro-6- (ethylamino)-1,3,5-triazin-2-yl]amino]-2- methylpropanenitrile - DCN 03180		14	EPA		ASTER (EPA database)			No	EPA-HQ-OW-2004-0032-1872
9.5	03181	Data	ASTER report for 2,6-Diethyl Aniline - DCN 03181		6	EPA		ASTER (EPA database)			No	EPA-HQ-OW-2004-0032-1873
9.5	03182	Data	ASTER report for Nicotine (S)-3-(1-Methyl-2- pyrrolidinyl)pyridine - DCN 03182		5	EPA		ASTER (EPA database)			No	EPA-HQ-OW-2004-0032-1874

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9.5	03183	Publication Other Government	ATSDR Toxicological Profile for Fluorides, Hydrogen Fluoride, and Fluorine - DCN 03183		404	ATSDR	09/01/2003				No	EPA-HQ-OW-2004-0032-1929
9.5	03184	Publication USEPA	IRIS-Fluorine - DCN 03184		9	EPA	11/20/2004				No	EPA-HQ-OW-2004-0032-1931
9.5	03185	Publication USEPA	IRIS-Chlorine Dioxide - DCN 03185		30	EPA	11/20/2004				No	EPA-HQ-OW-2004-0032-1932
9.5	03186	Publication USEPA	IRIS-1,3-Phenylenediamine - DCN 03186		8	EPA	11/20/2004				No	EPA-HQ-OW-2004-0032-1933
9.5	03187	Publication USEPA	IRIS-Aniline - DCN 03187		22	EPA	11/20/2004				No	EPA-HQ-OW-2004-0032-1934
9.5	03188	Publication USEPA	IRIS-Mercury - DCN 03188		33	EPA	11/17/2004				No	EPA-HQ-OW-2004-0032-1935

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9.5	03189	Publication USEPA	IRIS-Methylmercury - DCN 03189		38	EPA	11/17/2004				No	EPA-HQ-OW-2004-0032-1936
9.5	03190	Publication USEPA	Ambient Aquatic Life Water Quality Criteria for Tributyltin (TNT)-Final - DCN 03190	EPA 822-R-03-031	138	EPA	12/01/2003				No	EPA-HQ-OW-2004-0032-1937
9.5	03191	Publication USEPA	IRIS-Perchlorate and Perchlorate Salts - DCN 03191		26	EPA	03/24/2005				No	EPA-HQ-OW-2004-0032-1938
9.5	03192	Publication USEPA	IRIS-RDX Hexahydro-1,3,5-trinitro-1,3,5- triazine - DCN 03192		18	EPA	03/24/2005				No	EPA-HQ-OW-2004-0032-1939
9.5	03193	Publication USEPA	IRIS-Atrazine - DCN 03193		18	EPA	04/07/2005				No	EPA-HQ-OW-2004-0032-1940
9.5	03194	Publication USEPA	IRIS-Simazine - DCN 03194		15	EPA	04/07/2005				No	EPA-HQ-OW-2004-0032-1941

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9.5	03195	Data	April 2006 TWF Database - DCN 03195	Excel file with TWF calculations and supporting data	0	Eastern Research Group	04/20/2006			No	EPA-HQ-OW-2004-0032-1627
9.5	03196	Report	Toxic Weighting Factor Development in Support of CWA 304(m) Planning Process 508- compliant PDF file - DCN 03196		104	Eastern Research Group	06/21/2006			No	EPA-HQ-OW-2004-0032-1634
9.5	03333	Letter, Memorandum, Email	Memorandum to the Public Record Regarding Update on Toxic Weighting Factor Peer Review - DCN 03333		2	Hall, Josh , USEPA	08/10/2006			No	EPA-HQ-OW-2004-0032-2413
9.5	03516	Data	ASTER report for Pyrethrin II - DCN 03516		5	USEPA	10/20/2004 ASTER (EPA Database)			No	EPA-HQ-OW-2004-0032-2415
9.5	04105	Letter, Memorandum, Email	Memorandum to Debbi Hart and Lynn Zipf, U.S. EPA - DCN 04105	Background Information for Response to Comments on Toxic Weighting Factors (TWFs) Submitted as Part of the 2006 Preliminary Effluent Guidelines Program Plan – Association of American Railroads (R.E. Fronczak)	20	Kaplan, Maureen, ERG	01/19/2006			No	EPA-HQ-OW-2004-0032-2706
9.5	04106	Letter, Memorandum, Email	Memorandum to Debbi Hart and Lynn Zipf, U.S. EPA - DCN 04106	Background Information for Response to Comments on Toxic Weighting Factors (TWFs) Submitted as Part of the 2006 Preliminary Effluent Guidelines Program Plan – The Utility Water Act Group	4	Kaplan, Maureen, ERG	01/27/2006			No	EPA-HQ-OW-2004-0032-2710

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9.5	04107	Letter, Memorandum, Email	Memorandum to Debbi Hart and Lynn Zipf, U.S. EPA - DCN 04107	Background Information for Response to Comments on Toxic Weighting Factors (TWFs) Submitted as Part of the 2006 Preliminary Effluent Guidelines Program Plan – American Petroleum Institute (Rog E. Claff)	5 er	Kaplan, Maureen, ERG	01/20/2006				No	EPA-HQ-OW-2004-0032-2711
9.5	04108	Letter, Memorandum, Email	Memorandum to Debbi Hart and Lynn Zipf, U.S. EPA - DCN 04108	Background Information for Response to Comments on Toxic Weighting Factors (TWFs) Submitted as Part of the 2006 Preliminary Effluent Guidelines Program Plan – Electric Power Research Institute (Naomi Goodman and Leonard Levin)	5	Kaplan, Maureen, ERG	01/27/2006				No	EPA-HQ-OW-2004-0032-2713
10.0	02081	Letter, Memorandum, Email	European Integrated Pollution Prevention and Control Bureau BAT Reference Documents - DCN 02081		2	Johnston, Carey A., US EPA	08/03/2005				No	EPA-HQ-OW-2004-0032-0052
10.0	02446	Publication Copyrighted Material	Appropriate Basis of Effluent Standards for Industrial Wastewaters - DCN 02446	Designing industrial discharge standards should reflect the numerical compromise between what can be achieve to prevent environmental pollution and sustainable development. They should involve categorical limitations for specific sources. Micropollutants represent the major concern for industrial effluents. A micropollutant-based subcategorization is needed for an effective control of industrial effluents. Regulations imposed require a comprehensive knowledge of polluting processes and sources, and technological limits of available treatment technologies.		Tilche, A.; Orhon, D.		Water Science and Technology, Vol 45 No12 pp 1-11			No	EPA-HQ-OW-2004-0032-1109
10.0	02612	Publication Copyrighted Material	Disinfectants Finding and Using Real Weapons of Mass (pathogen) Destruction - DCN 02612	Discussion of how to select the right disinfection system for onsite treatment facilities.	6	Merrill, Lynn	10/01/2005	Onsite Water Treatment - http://www.onsitewat er.com/ow_0509_disi nfectants.html (access 2/10/06)			No	EPA-HQ-OW-2004-0032-1110

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10.0	03037	Publication USEPA	Risk Assessment Guidance for Superfund, Volume I, Human Health Evaluation Manual (Part A) - DCN 03037	Provides guidance for developing health risk information at superfund sites.	x 278	US EPA	12/01/1989	EPA/540/1-89/002			No	EPA-HQ-OW-2004-0032-2321.9
10.0	03416	Publication USEPA	NPDES Compliance Inspection Manual - DCN 03416	The National Pollutant Discharge Elimination System (NPDES) Compliance Inspection Manual has been developed to support personnel that conduct NPDES inspections of wastewater treatment plants, storm water industrial and construction sites pretreatment facilities, biosolids handling and treatment facilities, Concentrated Animal Feeding Operations (CAFOs), municipal wastewater collection systems (combined and separate from storm water) as well as pollution prevention and multimedia concerns. These procedures are fundamental to the NPDES compliance program and provide inspectors with a method for conducting inspections.	,	USEPA	07/01/2004	EPA 305-X-04-001			No	EPA-HQ-OW-2004-0032-2433
10.0	03445	Data	AMDI System - DCN 03445		0		10/01/2006		Coal Mining		No	EPA-HQ-OW-2004-0032-2455
10.0	03690	Report	A Retrospective Assessment of the Costs of the Clean Water Act: 1972 to 1997 (Final Report) - DCN 03690	• This study assesses the magnitude of these costs in recent years, now that the CWA has been in place for over a quarter century. To properly account for these costs, it is important to stress that some of the costs that are currently being incurred to reduce water pollution would have existed even without the CWA.	6	Van Houtven, George L., et al.	10/01/2000				No	EPA-HQ-OW-2004-0032-2558
10.0	03691	Report	A Benefits Assessment of Water Pollution Control Programs Since 1972 (Final Report) - DCN 03691	Part I, The Benefits of Point Source Controls for the Conventional Pollutant in Rivers and Streams	s 111	Bingham, Tayler H., et al.	01/01/2000		Pulp, Paper & Paperboard	&	No	EPA-HQ-OW-2004-0032-2559

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10.0	03752	Permit, Registration	Permit Rationale for the Tennessee Storm Water Multi-Sector General Permit for Industrial Activities - DCN 03752		54	Janjic, Vojin, Tennessee, DEC			Nonferrous Metals Manufacturing (NFM)		No	EPA-HQ-OW-2004-0032-2598
10.0	03765	Letter, Memorandum, Email	Memorandum to Public Record for the 2006 Effluent Guidelines Program Plan: Current Status of Effluent Guidelines Rulemakings - DCN 03765	Current Status of Effluent Guidelines Rulemakings	9	Johnston, Carey A., U.S. EPA	10/04/2006				No	EPA-HQ-OW-2004-0032-2607
10.0	03857	Publication USEPA	Quality Criteria for Water 1986 - DCN 03857	In a continuing effort to provide those who use EPA'S water quality and human healt criteria with up-to-date criteria values and associated information, this document Quality Criteria for Water - 1986 was assembled. This document includes summaries of all the contaminants for whi EPA has developed criteria recommendations (Appendix A-C).	h	U.S. EPA Office of Water	05/01/1986	U.S. EPA. 1986. Quality Criteria for Water. Washington, D.C. EPA 440/5-86- 001	Coal Mining		No	EPA-HQ-OW-2004-0032-2619
10.0	03911	Publication Copyrighted Material	99th Congress Committee Reports - DCN 03911	Water Quality Act Of 1987	82	Dole, Elizabeth, U.S. Senate	05/14/1985	Senate Environment and Public Works Committee Report 99-50, Reporting S. 1128, May 14, 1985			No	EPA-HQ-OW-2004-0032-2769
10.0	03958	Publication USEPA	A Guidebook to Comparing Risks and Setting Environmental Priorities - DCN 03958	This workbook provides guidance to those planning or participating in comparative ris projects. It discusses the major technical and managerial issues inherent in compartive risk projects; explains the mechanics of conducting the risk analysis and risk management phases of a project and describes the international application of the comparative risk framework.	sk ;	US EPA	09/01/1993	EPA-230-B-93-003			No	EPA-HQ-OW-2004-0032-2651
10.0	04125	Letter, Memorandum, Email	Memorandum to Public Record for the 2006 Effluent Guidelines Program Plan, EPA Docket Number OW-2004-0032 - Incorporation by Reference: Effluent Guidelines Documents on the EPA National Environmental Publications Information System - DCN 04125		36	Johnston, Carey, EPA EAD	12/14/2006	Website(http://nepis. epa.gov/pubtitleOAR .htm and http://nepis.epa.gov/ pubtitleOW.htm)			No	EPA-HQ-OW-2004-0032-2736

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10.01	02175	Report	Preliminary 2005 Review of Prioritized Categories of Industrial Dischargers- DCN 02175		111	EPA	08/19/2005				No	EPA-HQ-OW-2004-0032-0053
10.02	02400	Permit, Registration	State of Indiana Department of Environmental Management NPDES Permit IN0001210, ALCOA Lafayette Operations - Layfayette, IN - DCN 02400	IN0001210 - NPDES Permit for ALCOA Lafayette Operations	78	Method, Timothy, Indiana DEM	10/10/2002		Aluminum Forming		No	EPA-HQ-OW-2004-0032-1111
10.02	02400A1	Permit, Registration	State of Iniana Department of Enviornmental Management NPDES permit IN0001210 - ALCOA Lafayette Operations - Lafayette, IN Fact Sheet - DCN 02400A1	IN0001210- NPDES Fact Sheet for ALCO Lafayette Operations	A 44	Indiana, DEM	08/01/2001		Aluminum Forming		No	EPA-HQ-OW-2004-0032-1112
10.02	02405	Permit, Registration	Commonwealth of Kentucky Department of Environmental Protection NPDES Permit KY0002666 - Commonweath Aluminum Lewisport Inc Lewisport, Kentucky - DCN 02405	KY0002666 - NPDES permit for Commonwealth Aluminum Lewisport, Inc.	35	Pratt, Jeffery W., Kentucky, DEP	07/19/2002		Aluminum Forming		No	EPA-HQ-OW-2004-0032-1113
10.02	04134	Publication, Other Government	Kaiser Aluminum: Form S-1 Registration Statement Under the Securities Act of 1933 - DCN 04134	Environmental matters section describes Kaiser's work with regulatory authorities pursuant to several consent orders with th State of Washington relating to the historia use of oils containing polychlorinated biphenyls (PCBs) at the Trentwood facility Spokane, Washington prior to 1978.	cal	Securities and Exchange Commission		http://www.sharehold er.com/common/edg ar/811596/950129- 06-8731/06-00.pdf			No	EPA-HQ-OW-2004-0032-2737
10.03	01637	Support Background	Shrimp Farm is Told it Must Clean up its Act - DCN 01637		1	Gipps Land Aquaculture Industry Ntwk(GAIN)	03/31/2005		Canned and Preserved Seafood		No	EPA-HQ-OW-2004-0032-0089

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10.05	01471	Letter, Memorandum, Email	RE: Industrial Stormwater for 40 CFR 461 & 421 - DCN 01471		2	Johnston, Carey A., US EPA	01/11/2005		Battery Manufacturing	]	No	EPA-HQ-OW-2004-0032-0946
10.05	02639	Publication Copyrighted Material	UF Treatment of A Major Battery Manufacturer's Lead Contaminated Wastewater Pilot Test Case Study - DCN 02639		11	Merryman, RS, Koch Membrane Systems, Inc.	08/11/2002	Water Environment Federation 8th Annual Industrial Wastes Technical and Regulatory Conference, August 11-14, 2002	Battery Manufacturing		No	EPA-HQ-OW-2004-0032-1114
10.06	01563	Meeting or Teleconference Materials	Discharges from Encycle Outfall002 - Stormwater - 01563		2	Kandle, Meghan, ERG	03/02/2005		CWT		No	EPA-HQ-OW-2004-0032-0295
10.06	01564	Permit, Registration	NPDES Permits - Encycle/Texas, Inc, Corpus Christi, Texas - DCN 01564		35	Hoffman, Margaret, Texas Commissione r	04/11/2003		CWT		No	EPA-HQ-OW-2004-0032-0297
10.06	02442	Meeting or Teleconference Materials	Notes from telephone conversation between Jessica Wolford, ERG and Jesse Eastep, LNVA North Regional Treatment Plant, November 11, 2005 - DCN 02442	LNVA North Regional Treatment Plant PACs Releases Reported to TRI in 2003	1	Wolford, Jessica, ERG	11/28/2005		Centralized Waste Treate	r	No	EPA-HQ-OW-2004-0032-1115
10.09	02546	Meeting or Teleconference Materials		Cemex Inc. Dixon Cement Plant Dioxin Releases in TRI 2003	2	Wolford, Jessica, ERG	12/20/2005		Cement Manufacturing	)	No	EPA-HQ-OW-2004-0032-1116

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10.10	02487	Report	Site Visit Report Pennsylvania Coal Mine Acid Drainage Treatment Systems - DCN 02487	U.S. EPA and ERG conducted site visits to Pennsylvania coal mines and acid mine drainage treatment plants on April 4 and 5, 2006.	-	Eastern Research Group, Inc.			Coal Mining		No	EPA-HQ-OW-2004-0032-2311
10.10	02487A1	Report	Site Visit Report Pennsylvania Coal Mine Acid Drainage Treatment Systems, Appendix B: - DCN 02487A1	Information Provided by the Office of Surface Mining	40	Means, Brent, Office of Surface Mining	04/04/2006		Coal Mining		No	EPA-HQ-OW-2004-0032-2311.1
10.10	02487A2	Report	Site Visit Report Pennsylvania Coal Mine Acid Drainage Treatment Systems, Appendix C - DCN 02478A2	Information Provided by the Pennsylvania Department of Environmental Protection	47	Smith, Michael, Pennsylvaini a DEP	04/05/2006		Coal Mining		No	EPA-HQ-OW-2004-0032-2311.2
10.10	02487A3	Report	Site Visit Report Pennsylvania Coal Mine Acid Drainage Treatment Systems, Appendix D - DCN 02487A3	Information Provided By PBS Coals, Inc.	5	PBS Coals, Inc.	04/04/2006		Coal Mining		No	EPA-HQ-OW-2004-0032-2311.3
10.10	02487A4	Report	Site Visit Report Pennsylvania Coal Mine Acid Drainage Treatment Systems, Appendix E - 02487A4	Information Provided by Earl & Meiser Consulting, Inc.	15	Earl & Meiser Consulting, Inc.	03/14/2006		Coal Mining		No	EPA-HQ-OW-2004-0032-2311.4
10.10	02487A5	Report	Site Visit Report Pennsylvania Coal Mine Acid Drainage Treatment Systems, Appendix F - DCN 02487A5	PBS Toxicity Study Of Clear Run	125	Saylor, Barry E., PBS Coals, Inc.	07/26/1995		Coal Mining		No	EPA-HQ-OW-2004-0032-2311.5

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10.10	02488	Report	Draft Detailed Study Plan For the Coal Mining Point Source Category (Part 434) August 24, 2006 - DCN 02488	This plan describes the detailed study EPA contractor, Eastern Research Group (ERG) will provide for EPA's detailed study of the need for revision to ELGs for the Coal Mining Category. This plan discusses the coal mining industry, including background and industry demographics; and pollutants of concern, wastewater sources, and pollutant loads.	)	Codding, Eleanor, ERG	08/24/2006		Coal Mining		No	EPA-HQ-OW-2004-0032-2312
10.10	02491	Speech	CWA Section 304(m) Review of Coal Mining Effluent Guidelines (40 CFR 434) - DCN 02491	Coal Mining Stakeholder Meeting	23		01/11/2006		Coal Mining		No	EPA-HQ-OW-2004-0032-2313
10.10	02671	Publication Copyrighted Material	Methods for Passive Removal of Manganese from Acid Mine Drainage - DCN 02671		12	Rose, Arthur W., et. al.	01/01/2003	2003 West Virginia Surface Mine Drainage Task Force Symposium (accessed 1/9/2006)	Coal Mining		No	EPA-HQ-OW-2004-0032-1117
10.10	02672	Report	Water Quality Criteria, Uptake, Bioaccumulation, and Public Health Considerations for Chemicals of Possible Concern in West Virginia Mine Waters Used for Culture of Rainbow Trout - DCN 02672	Discussion of commercial aquaculture in mine water from active or abandoned mine in the Appalachian region.	57 s	The Conservation Fund Freshwater Institute	03/01/1996		Coal Mining		No	EPA-HQ-OW-2004-0032-1118
10.10	02677	Letter, Memorandum, Email	Memorandum to Bruce Means and Jay Hawkins, Office of Surface Mines - DCN 02677	Data needs to review coal mining effluent guidelines	2	Johnston, Carey, U.S. EPA	03/08/2006		Coal Mining		No	EPA-HQ-OW-2004-0032-1119
10.10	02702	Letter, Memorandum, Email	Email to Michael K. Robinson, Chief, Office of Surface Mining, Department of the Interior - DCN 02702	Table of NPDES and SMCRA water quality data available from the states	/ 3	Born, Tom, USEPA	08/21/2006		Coal Mining		No	EPA-HQ-OW-2004-0032-2317

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10.10	02716	Report	Restoring the Wealth of the Mountains: Cleaning Up Appaliachia's Abandoned Mines - DCN 02716		28	Trout Unlimited	01/01/2005		Coal Mining		No	EPA-HQ-OW-2004-0032-1976
10.10	02761	Letter, Memorandum, Email	Email to Greg Conrad, of the Interstate Mining Compact Commission and Mike Robinson of the Office of Surface Mining, U.S. Department of the Interior - DCN 02761	Draft meeting minutes on coal mining effluent guidelines	1	Johnston, Carey, USEPA/OW	01/23/2006		Coal Mining		No	EPA-HQ-OW-2004-0032-2319
10.10	03226	Publication Other Government	Coal Mine Drainage Prediction and Pollution Prevention in Pennsylvania - DCN 03226	Permit guidance document for coal mining in Pennsylvania.	g 508	Pennsylvania , DEP	10/01/1998	http://www.dep.state. pa.us/dep/deputate/ minres/districts/cmdp /main.htm (accessed 7/21/06)	-		No	EPA-HQ-OW-2004-0032-2323.9
10.10	03374	Report	Should the Effluent Limits for Manganese Be Modified - DCN 03374	As a result of the 1972 and 1977 Clean Water Acts, effluent mine water is limited a 30-day average concentration of 2 mg/L manganese and single-day maximum of 4mg/L.		Kleinmann, R.L.P., Watzlaf, G. R.	04/17/1988	1988 Mine Drainage and Surface Mine Reclamation Conference sponsored by the Amercian Society for Surface Mining and	Coal Mining		No	EPA-HQ-OW-2004-0032-2425
10.10	03376	Meeting or Teleconference Materials	Notes from Mining Roundtable NPDES/States Meeting, May 17, 2006 - DCN 03376		8		05/17/2006		Coal Mining		No	EPA-HQ-OW-2004-0032-2426
10.10	03422	Letter, Memorandum, Email	Letter to Mike Mertz, NPDES Permit Writer - DCN 03422	On behalf of Catenary Coal Company, Decota Consulting Company, enclosed is copy of the benthos data sheets for the Spring, 2003 sampling for the above referenced permit for your files.	300 a	Burdette, Terah, S.	09/15/2003		Coal Mining		No	EPA-HQ-OW-2004-0032-2439

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10.10	03423	Data	White Oak Creek Benthic Survey for White Oak Surface Mine - DCN 03423	Enclosed is the Benthic Report for White Oak Creek Benthic Survey, White Oak Surface Mine, Fall Benthic Sampling for 2003	200	Arch Coals, Inc., Sturm Environment al Svcs	01/01/2003		Coal Mining		No	EPA-HQ-OW-2004-0032-2441
10.10	03448	Data	Aramd -DCN 03448		0				Coal Mining		No	EPA-HQ-OW-2004-0032-2473
10.10	03465	Letter, Memorandum, Email	Memorandum to Docket EPA-HQ-OW-2004- 0032: Meeting Minutes for 6/15/06 Conference Call with Office of Surface Mining Reclamation and Enforcement - DCN 03465	Meeting Minutes for 6/15/06 Conference Call with Office of Surface Mining Reclamation and Enforcement	7	Codding, Eleanor, ERG	06/27/2006		Coal Mining		No	EPA-HQ-OW-2004-0032-2517
10.10	03466	Letter, Memorandum, Email	Email to EPA Effluent Guidelines Planning Meeting Participants - DCN 03466	Coal Mining Mn limitations (40 CFR 434) Meeting/Telecon Details	5	Johnston, Carey, USEPA/OW	01/03/2006		Coal Mining		No	EPA-HQ-OW-2004-0032-2518
10.10	03475	Letter, Memorandum, Email	Memorandum to Mike Sponsler, Chief, Ohio Department of Natural Resources - DCN 03475	June 28, 2006 e-mail from Greg Conrad o the IMCC on EPA Data Needs regarding Manganese Effluent Limit Guidelines	f 5	Dillman, Mike, Ohio DNR	06/01/2006		Coal Mining		No	EPA-HQ-OW-2004-0032-2528
10.10	03477	Data	Data Point Coordinates Russell Prater Creek Watershed - DCN 03477	MPID, Longitude, Latitude, Maplayer	1				Coal Mining		No	EPA-HQ-OW-2004-0032-2530

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10.10	03479	Data	DMR Data Russell Prater Creek Watershed - DCN 03479		58				Coal Mining		No	EPA-HQ-OW-2004-0032-2532
10.10	03485	Publication Other Government	Project Final Report Biological and Chemical Assessments for Ely Creek, Puckett Creek, and Straight Creek - DCN 03485	Engineering Concepts Inc. (ECI) has completed a chemical and biological assessment of the Ely Creek, Straight Creek, and Puckett Creek for the Department of Mines, Minerals, and Energe (DMME), Division of Mined Land Reclamation (DMLR). ECI teamed with Environmental Monitoring, Inc. (EMI) to perform the laboratory analyses of the chemical assessments.	61 9y	Virginia, Department of Mines	06/30/2003		Coal Mining		No	EPA-HQ-OW-2004-0032-2539
10.10	03488	Letter, Memorandum, Email	Email to Carey Johnston, USEPA/OW - DCN 03488	Manganese meeting follow up info	4	Hornberger, Roger, USEPA	01/13/2006		Coal Mining		No	EPA-HQ-OW-2004-0032-2542
10.10	03715	Letter, Memorandum, Email	Email to Mike Robinson, Office of Surface Mining, Department of the Interior - DCN 03715	Mn limitations in the Coal Mining effluent guidelines (40 CFR 434)	4	Johnston, Carey, USEPA/OW	12/22/2005		Coal Mining		No	EPA-HQ-OW-2004-0032-2572
10.10	03769	Letter, Memorandum, Email	Email to Carey Johnston, USEPA/OW - DCN 03769	Meeting/Conference Call Regarding IMCC Manganese Comments	2	Conrad, Greg, IMCC	12/21/2005		Coal Mining		No	EPA-HQ-OW-2004-0032-2608
10.10	03852	Letter, Memorandum, Email	Email to Ellie Codding, ERG - DCN 03852	Sulfates Criteria Request	1	Holst, Linda, EPA Region 5	04/07/2006		Coal Mining		No	EPA-HQ-OW-2004-0032-2614

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10.10	03853	Data	Results of acceptable acute toxicity tests on sulfate. (2-8-06 DRAFT for review and comment) - DCN 03853	Data documenting acute aquatic toxicity o sulfate.	f O	Holst, Linda, EPA Region 5			Coal Mining		No	EPA-HQ-OW-2004-0032-2615
10.10	03854	Letter, Memorandum, Email	Email to Ellie Codding, ERG - DCN 03854	Additional Information on sulfate toxicity, f when chloride is between 5 and 25 mg/L, and hardness is between 100 and 500 mg		Holst, Linda, EPA Region 5	10/10/2006		Coal Mining		No	EPA-HQ-OW-2004-0032-2616
10.10	03855	Data	Sulfate References - DCN 03855	The following table lists documents that contain data regarding the toxicity of sulfa to aquatic animals. The table also contair various documents that were cited in vario sources as possibly containing data regarding the toxicity of sulfate to aquatic animals. In addition, some documents are cited because they might aid in the interpretation of a document that contains potentially useful results of toxicity tests of sulfate.	ns bus e	Holst, Linda, EPA Region 5	02/27/2006		Coal Mining		No	EPA-HQ-OW-2004-0032-2617
10.10	03856	Letter, Memorandum, Email	Email to Gregory E. Conrad, Executive Director, Interstate Mining Compact Commission - DCN 03856	Manganese Tour	2	Johnston, Carey, USEPA/OW	04/14/2006		Coal Mining		No	EPA-HQ-OW-2004-0032-2618

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10.10	03858	Publication Other Government	Manganese removal by chemical and microbial oxidation and the effect on benthic macroinvertebrates - DCN 03858	Manganese removal from discharge water is a serious problem in many states where Appalachian Basin coal is mined. We analyzed benthic macroinvertebrates and bacteria upstream and downstream from mining operations at the Queens Fork surface mining operations in Wayne Count western West Virginia, in order to assess the ecological effect of elevated instream Mn levels. Manganese data were also retrieved from the U.S. Geological Survey QWDATA database to compare mine wastewater Mn concentrations with those i other Wayne County surface and ground waters. The benthic macroinvertebrates included sensitive, facultative, and tolerant species. A small shift from more sensitive types upstream to more tolerant ones downstream is occurring throughout the ongoing benthic study. No statistically significant differences in abundance and number of taxa existed between the upstream and downstream from mining are coated black from Mn oxide precipitates. Glass microscope slides were placed in various sites to mimic rock surfaces and allow bacteria to colonize them for study. The major microbial taxon precipitating Mr upstream and downstream from mining wa Leptothrix discophora, a species that is typical of natural settings having elevated Mn levels. Other unidentified Mn-fixing species dominated within the wastewater treatment ponds. Dissolved Mn concentrations in wells are higher than surface waters suggesting that many streams in Wayne County are fed by grour waters carrying elevated concentrations of Mn.	iy, n : s e	USGS	12/30/2005	http://energy.er.usgs. gov/products/papers/ wvsmdtf/wvkiah.htm (accessed 12/30/2005).	Coal Mining		No	EPA-HQ-OW-2004-0032-2620
10.10	03859	Report	Pennsylvania Game Commission - State Wildlife Management Agency: Release #027- 04, Board approves Expansion of Mining Project in Lycoming County - DCN 03859	The Board of Game Commissioners awarded a 10-year coal surface mining lease on a 159-acre section of State Game Lands 75 in Pine Township, Lycoming County to the Fisher Mining Company of Montoursville.	3	Pennsylvania , Game Commission	01/01/2004	http://www.pgc.state. pa.us/pgc/cwp/view.a sp?A=11&Q=161437 &tx=1 (accessed 4/21/2006)	Coal Mining		No	EPA-HQ-OW-2004-0032-2621

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10.10	03860	Publication Copyrighted Material	Removal of iron and manganese using biological filtration in Argentina - DCN 03860	Treatment options for removal of iron and manganese.	3	Pacini, Virginia A.	05/01/2003	EcoEng Newsletter No. 7, May 2003 - Pacini, Biological Oxidation, http://www.iees.ch/E coEng031/EcoEng03 1_Pacini.html	Coal Mining		No	EPA-HQ-OW-2004-0032-2622
10.10	03861	Report	Solid Mineral Programs on the Nations Federal Lands - DCN 03861	Minimizing the human 'footprint' on the landscape.	5	USBLM	05/05/2006	http://www.blm.gov/n hp/pubs/brochures/m inerals/	Coal Mining		No	EPA-HQ-OW-2004-0032-2623
10.10	03862	Letter, Memorandum, Email	Email to Carey Johnston, USEPA/OW - DCN 03862	Agenda for EPA manganese field trip	2	Means, Brent	03/23/2006		Coal Mining		No	EPA-HQ-OW-2004-0032-2624
10.10	03863	Data	Coal Production and Number of Mines by State and Mine Type, 2004-2003 - DCN 03863		2	EIA	01/01/2005		Coal Mining		No	EPA-HQ-OW-2004-0032-2625
10.10	03864	Publication Copyrighted Material	QUEMAHONING CREEK Jenners and Boswell Projects Have Big Impact - DCN 03864	Stoneycreek - Conemaugh River Improvement Project	3	SCRIP	01/01/2005	http://www.scrip.pa- conservation.org/stq uepr.htm	Coal Mining		No	EPA-HQ-OW-2004-0032-2626
10.10	03865	Publication USEPA	Drinking Water Health Advisory for Manganese - DCN 03865	Health advisory to provide guidance to communities that may be exposed to drinking water contaminated with high manganese concentrations.	55	USEPA	01/01/2004	U.S. EPA, http://www.epa.gov/s afewater/ EPA-822- R-04-003	Coal Mining		No	EPA-HQ-OW-2004-0032-2627

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10.10	03866	Publication Copyrighted Material	Enhanced In Situ Bioremediation Technique for Manganese Removal from Mine Waters - DCN 03866		lity JK val se in	CLAIRE Research Bulletin	05/01/2003		Coal Mining		No	EPA-HQ-OW-2004-0032-2628
10.10	03867	Report	Citizens coal councial and Kentucky Resources council, Inc., Petitioners, v. United States Environmental Protection Agency, Respondent - DCN 03867		18	US Court of Appeals, 6th Circuit	10/07/2004		Coal Mining		No	EPA-HQ-OW-2004-0032-2629
10.10	03868	Letter, Memorandum, Email	Email to Carey Johnston, USEPA/OW - DCN 03868	Manganese Tour	2	Pizarchik, Joseph, Pennsylvania , DEP	04/14/2006		Coal Mining		No	EPA-HQ-OW-2004-0032-2630
10.10	03869	Report	Remediation of Acid Mine Drainage at the Friendship Hill National Historic site with a Pulsed Limestone Bed Process - DCN 03869	A new process utilizing pulsed fluidized limestone beds was tested for the remediation of acid mine drainage at the Friendship Hill National Historic Site, in southwestern Pennsylvania. A 230 liter-pe minute treatment system was constructed and operated over a fourteen-month perio from June 2000 through September 2001.	d	Sibrell, P. L. USGS Leetown Science Center		5th International Conference in Honor of Professor Ian Ritchie-Volume 2: Electrometallurgy and Environmental Hydrometallurgy	Coal Mining		No	EPA-HQ-OW-2004-0032-2631

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10.10	03870	Other	The Science of Acid Mine Drainage and Passive Treatment - DCN 03870	General information about acid mine drainage.	10	Pennsylvania , DEP	04/14/2006	http://www.dep.state. pa.us/dep/deputate/ minres/bamr/amd/sci ence_of_amd.htm	Coal Mining		No	EPA-HQ-OW-2004-0032-2633
10.10	03871	Other	CWA Section 304(m) Review of Coal Mining Effluent Guidelines (40 CFR 434) - DCN 03871	Presentation at coal mining stakeholder meeting	23	Johnston, Carey, U.S. EPA	01/11/2006		Coal Mining		No	EPA-HQ-OW-2004-0032-2634
10.10	03872	Report	Watershed Restoration Action Strategy (WRAS) State Water Plan Subbasin 18E Stonycreek River and Little Conemaugh River Watersheds Somerset and Cambria Counties - DCN 03872		22	Pennsylvania , DEP	09/01/2003		Coal Mining		No	EPA-HQ-OW-2004-0032-2632
10.10	03873	Letter, Memorandum, Email	Email to Gregory E. Conrad, Executive Director, Interstate Mining Compact Commission - DCN 03873		s 2	Born, Tom, USEPA	06/20/2006		Coal Mining		No	EPA-HQ-OW-2004-0032-2635
10.10	03907	Letter, Memorandum, Email	Email to Conference Call Participants for the Data Resources for the Review of Coal Mining Effluent Guidelines - DCN 03907	Teleconference Instructions for June 28 C to Discuss Data Resources for the Review of Coal Mining Effluent Guidelines		Born, Tom, USEPA	06/21/2006		Coal Mining		No	EPA-HQ-OW-2004-0032-2650
10.10	03982	Data	U.S. Coal Production Under the Surface Mining Law for 2004 - DCN 03982	U.S. coal production and permit data.	1	U.S. DOI	04/01/2006	http://www.osmre.go v/coal/2004coal.htm	Coal Mining		No	EPA-HQ-OW-2004-0032-2658

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10.10	03999	Letter, Memorandum, Email	Email to Eleanor Codding, ERG - DCN 03999	Conference Call with IMCC Concerning Coal Mining Effluent Guidelines Study Pla	2 an	Born, Tom, USEPA	07/19/2006		Coal Mining		No	EPA-HQ-OW-2004-0032-2661
10.10	04000	Letter, Memorandum, Email	Email to Greg Conrad, Interstate Mining Compact Commission - DCN 04000	Data needs for coal mining	4	Johnston, Carey, USEPA/OW	04/17/2006		Coal Mining		No	EPA-HQ-OW-2004-0032-2663
10.10	04001	Letter, Memorandum, Email		Data needs for coal mining	1	Janet Goodwin, USEPA	03/08/2006		Coal Mining		No	EPA-HQ-OW-2004-0032-2664
10.10	04002	Letter, Memorandum, Email	Email to Mike Robinson, Office of Surface Mining, U.S. Department of the Interior - DCN 04002	Confirmation for Conference Call on June 15th at 1:00	9 3	Born, Tom, USEPA	06/01/2006		Coal Mining		No	EPA-HQ-OW-2004-0032-2665
10.10	04003	Letter, Memorandum, Email	Email to Carey Johnston, USEPA/OW - DCN 04003	Draft meeting minutes on coal mining effluent guidelines	2	Robinson, Michael K., Dept of Interior	02/01/2006		Coal Mining		No	EPA-HQ-OW-2004-0032-2666
10.10	04004	Letter, Memorandum, Email	Email to Tom Born, USEPA - DCN 04004	Conference Call to Develop Coal Mining Effluent Guidelines Study Plan	4	Robinson, Michael K., Dept of Interior	05/31/2006		Coal Mining		No	EPA-HQ-OW-2004-0032-2667

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10.10	04005	Letter, Memorandum, Email	Email to Carey Johnston, USEPA, Tom Born, USEPA, and Eleanor Codding, ERG - DCN 04005	Mine Drainage Database Information	3	Robinson, Michael K., Dept of Interior	06/29/2006		Coal Mining		No	EPA-HQ-OW-2004-0032-2668
10.10	04006	Letter, Memorandum, Email	Email to Office of Suface Mining - DCN 04006	Meeting Minutes from January 26, 2006 Conference Call	1	Robinson, Michael K., Dept of Interior	07/17/2006		Coal Mining		No	EPA-HQ-OW-2004-0032-2669
10.10	04007	Letter, Memorandum, Email	Email to Carey Johnston, USEPA/OW - DCN 04007	Water Quality Data including Manganese	2	Brady, Keith, Dept of Environment al Pro.	01/23/2006		Coal Mining		No	EPA-HQ-OW-2004-0032-2670
10.10	04008	Letter, Memorandum, Email	Email to Eleanor Codding, ERG - DCN 04008	In stream Manganese study	2	Smith, Mike	04/11/2006		Coal Mining		No	EPA-HQ-OW-2004-0032-2671
10.10	04012	Letter, Memorandum, Email	Email to Greg Conrad, Joseph Pizarchik, Roger Hornberger and Keith Brady - DCN 04012	Mining Meeting Minutes EPA OSMRE Jun 15, 2006	ie 1	Born, Tom, USEPA	06/27/2006		Coal Mining		No	EPA-HQ-OW-2004-0032-2675
10.10	04013	Other	ERIS Documentation A 2005 - DCN 04013		43				Coal Mining		No	EPA-HQ-OW-2004-0032-2676

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10.10	04014	Letter, Memorandum, Email	Email to Eleanor Codding, ERG and Carey Johnston, USEPA - DCN 04014	Table of NPDES and SMCRA water quality data available from the states	/ 3	Born, Tom, USEPA	08/01/2006		Coal Mining		No	EPA-HQ-OW-2004-0032-2677
10.10	04015	Letter, Memorandum, Email	Email to Ken Politan - DCN 04015	304m RO Information Sent to WVDEP	2	Johnston, Carey, USEPA/OW	06/23/2006		Coal Mining		No	EPA-HQ-OW-2004-0032-2678
10.10	04016	Letter, Memorandum, Email	Email to Tom Born, USEPA - DCN 04016	EPA Data Needs re Manganese Effluent Limit Guidelines	4	Conrad, Gregory E., IMCC	08/08/2006		Coal Mining		No	EPA-HQ-OW-2004-0032-2679
10.10	04017	Letter, Memorandum, Email	Letter to USEPA Water Docket - DCN 04017	Docket ID No. OW-2004-0032	8	Conrad, Gregory E., IMCC	11/09/2005		Coal Mining		No	EPA-HQ-OW-2004-0032-2680
10.10	04018	Letter, Memorandum, Email	Email to Carey Johnston, USEPA - DCN 04018	Manganese Tour	3	Pizarchik, Joseph	04/14/2006		Coal Mining		No	EPA-HQ-OW-2004-0032-2681
10.10	04019	Letter, Memorandum, Email	Email to Keith Brady - DCN 04019	Teleconference Instructions for June 28 Ca to Discuss Data Resources for the Review of Coal Mining Effluent Guidelines		Born, Tom, USEPA	07/07/2006		Coal Mining		No	EPA-HQ-OW-2004-0032-2682

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10.10	04020	Letter, Memorandum, Email	Email to Carey Johnston, USEPA - DCN 04020	Manganese Tour	3	Pizarchik, Joseph	04/16/2006		Coal Mining		No	EPA-HQ-OW-2004-0032-2683
10.10	04021	Letter, Memorandum, Email	Email to Greg Conrad, IMCC - DCN 04021	EPA Data Needs re Manganese Effluent Limit Guidelines (Thank You)	3	Born, Tom, USEPA	06/29/2006		Coal Mining		No	EPA-HQ-OW-2004-0032-2684
10.10	04022	Letter, Memorandum, Email	Email to Greg Conrad, IMCC - DCN 04022	MANGANESE DATA (Ohio DNR)	2	Born, Tom, USEPA	08/21/2006		Coal Mining		No	EPA-HQ-OW-2004-0032-2685
10.10	04023	Letter, Memorandum, Email	Email to Mike Robinson - DCN 04023	Mine Drainage Database Information (Tha You)	ank 3	Born, Tom, USEPA	06/29/2006		Coal Mining		No	EPA-HQ-OW-2004-0032-2686
10.10	04024	Letter, Memorandum, Email	Email to Keith Brady - DCN 04024	Teleconference Instructions for June 28 C to Discuss Data Resources for the Review of Coal Mining Effluent Guidelines		Born, Tom, USEPA	07/07/2006		Coal Mining		No	EPA-HQ-OW-2004-0032-2687
10.10	04025	Letter, Memorandum, Email	Email to Ken Politan - DCN 04025	West Virginia Coal Mining DMR Data (Thanks)	1	Born, Tom, USEPA	07/07/2006		Coal Mining		No	EPA-HQ-OW-2004-0032-2688

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10.10	04026	Other	Various Databases of Water Quality Data - DCN 04026		1				Coal Mining		No	EPA-HQ-OW-2004-0032-2689
10.10	04027	Other	Aqua Dyne - Nature's Cleaning Process - DCN 04027	Water purification specialist Aqua Dyne In (AQDY.OB) publicly traded on the US Bulletin board, announces the acquisition an exclusive licence to market the COMENERGY Hybrid Coal and Gas Turbine (HCGT) technology throughout North America.		Aqua Dyne	02/01/2006		Coal Mining		No	EPA-HQ-OW-2004-0032-2690
10.10	04029	Publication Copyrighted Material	Field and Laboratory Assessment of a Coal Processing Effluent in Leading Creek Watershed, Miegs County, Ohio - DCN 04029	The US EPA has not recommended water quality criteria (WQC) to protect aquatic life from elevated sodium and sulfate concentrations, such as those associated with the coal-processing effluent of Meigs county Mine #31.		Kennedy, A.J.; Cherry, D.S., Currie, R.J.	09/05/2002	Archives of Environmental Contamination and Toxicology, 44, 324- 331 (2003)	Coal Mining		No	EPA-HQ-OW-2004-0032-2691
10.10	04030	Publication Copyrighted Material	Evaluation of Ionic Contribution to the Toxicity of a Coal-Mine Effluent Using Ceriodaphnia Duba - DCN 04030	Evaluation of TDS concentrations exceedi in-stream water quality criteria.	ng 5	Yu, X., et al.		Archives Envrionmental Contam.Toxicology, 49, 155-162 (2005	Coal Mining		No	EPA-HQ-OW-2004-0032-2692
10.10	04033	Publication Other Government	Board Acts To Add 292 Acres To State Game Lands System Board Approves Two Projects To Improve Wildlife Habitat Board Approves Expansion Of Mining Project In Lycoming County - DCN 04033	The Pennsylvania Board of Game Commissioners today approved a land purchase that will increase the State Game Lands system by 292 acres.	3 e	Pennsylvania Game Comission	04/21/2006	Release #027-04	Coal Mining		No	EPA-HQ-OW-2004-0032-2693
10.10	04046	Publication Other Government	Environmental Protection Agency 40 CFR Parts 9 and 434 Coal Mining Point Source Category; Amendments to Effluent Limitations Guidelines and New Source Performance Standards; Final Rule - DCN 04046	EPA is amending the current regulations for the Coal Mining Point Source Category by adding two new subcategories to the existing regulation. EPA is establishing a Coal Remining Subcategory that will address preexisting discharges at coal remining operations.	or 3369	National Archives & Records Admin	01/23/2002	Federal Register, 40 CFR Parts 9 and 434, Vol 67, No. 15	Coal Mining		No	EPA-HQ-OW-2004-0032-2694

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10.10	04049	Publication Copyrighted Material	Acidic Mine Draimage the Rate-Determining Step - DCN 04049	The rate-determining step in the oxidation iron pyrite and the formation of acidity in streams associated with coal and copper mines is the oxidation of ferrous iron. Effective pollution abatement necessitates controlling this reaction.	3	Singer, Philp, Werner, Stumm	02/20/1970	Science, 167, 1121- 1123 (1970)	Coal Mining		No	EPA-HQ-OW-2004-0032-2695
10.10	04050	Publication Other Government	U.S. Geological Survey Appalachian Region Integrated Science Workshop Proceedings, Gatlinburg, Tennessee, October 22-26, 2001 - DCN 04050	Some of nature's most magnificent creation on Earth are the picturesque landscape and the terrestrial and aquatic inhabitants of the Appalachian Mountains of the Eastern United States. Mother Nature has been kin to the region but man, often, has not. The Appalachian mountains and valleys have been home to a variety of human cultures, dating back approximately 12,000 years.	d Ə	USGS	10/01/2001	Open-File Report 01- 406	Coal Mining		No	EPA-HQ-OW-2004-0032-2696
10.10	04051	Publication Other Government	Chapter 13 Alkaline Addition - DCN 04051	It is widely recognized that mine sites with an abundance of naturally occurring limestone or alkaline strata produce alkalin water, even in the presence of high-sulfur strata. But many sites contain little or no alkaline materials and, as a consequence, often produce acidic drainage even when sulfur contents are relatively low. One approach to alkaline-deficient sites would b to import alkaline material and amend the spoil in order to obtain alkaline drainage.		Smith, Michael, Brady, Keith	04/21/2006	http://www.dep.state. pa.us/dep/deputate/ minres/districts/cmdp /chap13.html (accessed 4/21/06)	0		No	EPA-HQ-OW-2004-0032-2697
10.10	04052	Publication Other Government	Effects of Coal-Mine Discharges on the Quality of the Stonycreek River and Its Tributaries, Somerset and Cambria Counties, Pennsylvania - DCN 04052	This report describes the results of a study by the U.S. Geological Survey, done in cooperation with the Somerset Conservatio District, to locate and sample abandoned coal-mine discharges in the Stonycreek River Basin, to prioritize the mine discharges for remediation, and to determine the effects of the mine discharge on water quality of the Stonycreek River an its major tributaries.	on es	Williams, Donald R., et al., USGS		Report 96-4133	Coal Mining		No	EPA-HQ-OW-2004-0032-2698
10.14	02448	Publication Copyrighted Material	AquaSBR® System Achieves 96% BOD Removal At Rutter's Dairy - DCN 02448	Pretreatment system at Rutter's Dairy in York, PA	2	Aqua- Aerobic Inc.	12/14/2005	http://wateronline.co m	Dairy Produc Processing	ts 🗹	No	EPA-HQ-OW-2004-0032-1120

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10.14	02644	Publication Copyrighted Material	Startup of a Full-Scale Vertreat Wastewater Treatment Plant at a Cheese Production Facility - DCN 02644	VERTREAT <sup>™</sup> is a high-rate activated sludge process. A compact, high-pressure reactor replaces the large open aeration basin commonly found in activated sludge systems. Vigorous mixing, high oxygen transfer, and high mixed liquor concentrations are critical design limitation in many conventional plants. The VERTREAT <sup>™</sup> system has intensive mixing high oxygen transfer, and high MLSS in a compact subsurface reactor, making it an efficient high-rate biological system. A VERTREAT <sup>™</sup> system was selected for treatment of high-strength wastewater from a large dairy. The plant design consists of 3.2 million liters (850,000 gallons) of equalization capacity, two 2.75 m (9 ft) diameter 94 m (308 ft) deep bioreactors, and two rectangular flotation clarifiers. Influent is cooled to retain mesophilic conditions in the system.	s g,	Jeff Guild and Dave Pollock	08/01/2002	Water Environment Federation 8th Annual Industrial Wastes Technical and Regulatory Conference, August 11-14, 2002	Dairy Produc Processing	ts 🗹	No	EPA-HQ-OW-2004-0032-1121
10.14	02647	Publication Copyrighted Material	Case Studies of Low-Rate Anaerobic Treatment of Dairy Processing Wastewaters - DCN 02647		20	Shannon Grant et al	08/01/2002	Water Environment Federation 8th Annual Industrial Wastes Technical and Regulatory Conference, August 11-14, 2002	Dairy Produc Processing	ts 🗹	No	EPA-HQ-OW-2004-0032-1122
10.14	02651	Publication Copyrighted Material	Handling High-Strength Dairy Waste with a Vertical Loop Aeration: System: Ultra-Efficient Process Performance with Minimum Operating Cost - DCN 02651	A novel aeration system and bystream sludge bioreactor are used at the Alpine Cheese Company in Holmes County, Ohio to handle their high-strength wastewater stream. The aeration system consists of tw Vertical Loop Reactor (VLR) tanks operatir in series, while the bystream sludge bioreactor – a single tank with a sequencin air delivery - operates with a daily interchange flow between the two systems During its first two years of operation the plant has been able to operate with a power requirement substantially less than the expected design level. Although load conditions were at design capacity, no biosolids were wasted out of the plant durin this two year period. Operating the plant in this manner had no negative consequence on effluent quality: BOD out of the final clarifier averaged 4 mg/l.	vo ng ng er	George W. Smith et al	08/01/2002	Water Environment Federation 8th Annual Industrial Wastes Technical and Regulatory Conference, August 11-14, 2002	Dairy Produc Processing	ts 🔽	No	EPA-HQ-OW-2004-0032-1123

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10.17	02502	Permit, Registration	State of Missouri Department of Natural Resources NPDES permit MO002402 - Dyno Nobel, Inc Carthage, MO - DCN 02502	MO0002402 - NPDES permit for Dyno Nobel, Inc.	19	Mahfood, Stephen M., Missouri, DNR	12/10/1999		Explosives		No	EPA-HQ-OW-2004-0032-1124
10.17	02544	Permit, Registration	State of Missouri Department of Natural Resources NPDES permit MO0002453 - Expert Management Inc. Joplin, MO - DCN 02544	MO0002453 - NPDES permit for Expert Management Inc.	6	Mahfood, Stephen, Missouri DNR	01/09/2004		Explosives		No	EPA-HQ-OW-2004-0032-1125
10.17	02544A1	Permit, Registration	State of Missouri Department of Natural Resources NPDES permit MO0002453 - Expert Management Inc Joplin, MO - Fact Sheet - DCN 02544A1	MO0002453 - NPDES Fact Sheet for Expo Management, Inc.	ert 2	Missouri DNR	04/03/2003		Explosives		No	EPA-HQ-OW-2004-0032-1126
10.17	02696	Meeting or Teleconference Materials	Notes from telephone conversation between Jessica Wolford, ERG and Scott Kolb, Dyno Nobel Inc., Carthage, MO - DCN 02696	Discussion of Dyno Nobel Inc.'s Cartharge facility nitrogen, ammonia discharges in PCS 2002.	e 1	Wolford, Jessica, ERG	01/10/2006		Explosives		No	EPA-HQ-OW-2004-0032-1647
10.17	02697	Data	Calculation of Nitrogen, Ammonia Total (as N) load in PCS for Dyno Nobel Inc., Carthage, MO - DCN 02697		2	Wolford, Jessica, ERG	02/15/2006		Explosives		No	EPA-HQ-OW-2004-0032-1651
10.17	02701	Permit, Registration	Virginia Department of Environmental Quality NPDES Permit VA0000248 - Radford Army Ammunition Plant, Radford, VA - DCN 02701	VA0000248 - NPDES permit for Radford Army Ammunition Plant	69	Harlow, Kevin, Virginia DEQ	04/18/2005		Explosives		No	EPA-HQ-OW-2004-0032-1655

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10.17	02701A1	Permit, Registration	Virginia Department of Environmental Quality NPDES Permit VA0000248 - Radford Army Ammunition Plant, Radford, VA - Fact Sheet - DCN 02701A1	VA0000248 - NPDES fact sheet for Radfor Army Ammunition Plant	d 65	Harlow, Kevin, Virginia DEQ	04/18/2005		Explosives		No	EPA-HQ-OW-2004-0032-1659
10.18	02416	Permit, Registration	Ohio Environmental Protection Agency NPDES permit OH0004006 - Elkem Metals Company - DCN 02416	OH0004006 - NPDES permit for Elkem Metals Company	32	Schregardus, Donald R., Ohio, EPA	09/27/1996		Ferroalloy Manufacturin	g	No	EPA-HQ-OW-2004-0032-1127
10.18	02416A1	Permit, Registration	Ohio Environmental Protection Agency NPDES permit OH0004006 - Elkem Metals Company, Marietta, Ohio - Fact Sheet - DCN 02416A1	OH0004006 - NPDES Fact Sheet for Elken Metals Company	n 22	Ohio EPA			Ferroalloy Manufacturin	g	No	EPA-HQ-OW-2004-0032-1128
10.19	01482	Federal Register	Fertilizer Manufacturing Point Source Category; Effluent Limitations Guidelines - 01482		5	US EPA	07/29/1987		Phosphate Fertilizer		No	EPA-HQ-OW-2004-0032-0055
10.19	01483	Letter, Memorandum, Email	Discussion of Water Balance in Mississippi Phosphate Corporations' Gypsum Stack/Process Water System - 01483		9	Trey Fleming, Director of Environment al Pr	12/03/2004		Phosphate Fertilizer		No	EPA-HQ-OW-2004-0032-0056
10.19	02414	Permit, Registration	State of Mississippi Department of Environmental Quality NPDES permit MS0003115 , Mississippi Phosphates Corporation Pascagoula, MS - DCN 02414	MS0003115 - NPDES permit for Mississipp Phosphates Corporation	bi 17	Mississippi DEQ	08/26/2002		Fertilizer Manufacturin	g	No	EPA-HQ-OW-2004-0032-1129

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10.19	02414A1	Permit, Registration	State of Mississippi Department of Environmental Quality NPDES permit MO0003115 - Mississippi Phosphates Corporation Pascagoula, MS - Fact Sheet - DCN 02414A1	MS0003115 - Fact sheet for Mississippi Phosphates corporation	3	Mississippi DEQ	07/08/2002		Fertilizer Manufacturing	j	No	EPA-HQ-OW-2004-0032-1130
10.19	02414A2	Permit, Registration	State of Mississippi Department of Environmental Quality NPDES permit MO0003115 - Mississippi Phosphates Corporation, Pascagoula, Mississippi - Permit Rationale - DCN 02414A2	MS0003115 - NPDES permit rationale for Mississippi Phosphates Corporation	14	Mississippi DEQ	06/01/2002		Fertilizer Manufacturinç	)	No	EPA-HQ-OW-2004-0032-1131
10.19	02423	Permit, Registration	Louisiana Department of Environmental Quality NPDES Permit CF Industries, Inc., Donaldsonville, Louisiana - DCN 02423	LA0000418 - NPDES permit for CF Industries, Inc	38	Higgins, Bliss M., Louisiana DEQ	02/06/2001		Fertilizer Manufacturing	]	No	EPA-HQ-OW-2004-0032-1132
10.19	02423A1	Permit, Registration	Louisiana Department of Environmental Quality NPDES Permit CF Industries, Inc., Donaldsonville, Louisiana - Draft - DCN 02423A1	LA0000418 - NPDES draft permit CF Industries, Inc.	86	Higgins, Bliss M., Louisiana DEQ	10/31/2000		Fertilizer Manufacturinç	]	No	EPA-HQ-OW-2004-0032-1133
10.19	02424	Permit, Registration	Louisiana Department of Environmental Quality NPDES Permit, IMC Phosphates Company, St. James, Louisiana - DCN 02424	LA0029769 - NPDES Permit, IMC Phosphates Company	71	Gautreaux, Karen K., Louisiana DEQ	05/24/2004		Fertilizer Manufacturinç	]	No	EPA-HQ-OW-2004-0032-1134
10.19	02424A1	Permit, Registration	Louisiana Department of Environmental Quality NPDES Permit, IMC Phosphates Company, St. James, Louisiana - Draft -DCN 02424A1	LA0029769 - NPDES Draft Permit, IMC Phosphates Company	237	Levy, Linda, Louisiana DEQ	11/25/2003		Fertilizer Manufacturinç	]	No	EPA-HQ-OW-2004-0032-1135

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10.19	02698	Permit, Registration	Arkansas Department of Environmental Quality NPDES Permit AR0000752, El Dorado Chemical Company, El Dorado, AR - DCN 02698	AR0000752 - NPDES permit for El Dorado Chemical Company	o 54	Maner, Martin, Arkansas DEQ	04/30/2004	Fertilizer Manufacturing	]	No	EPA-HQ-OW-2004-0032-1663
10.19	02698A1	Permit, Registration	Arkansas Department of Environmental Quality NPDES Permit AR0000752, El Dorado Chemical Company, El Dorado, AR - Fact Sheet - DCN 02698A1	AR0000752 - NPDES fact sheet for El Dorado Chemical Company	26	Maner, Martin, Arkansas DEQ	04/30/2004	Fertilizer Manufacturing		No	EPA-HQ-OW-2004-0032-1667
10.19	02699	Meeting or Teleconference Materials	Notes from telephone conversation between Wes Morgan of El Dorado Chemical, El Dorado, AR, and Meghan Kandle of Eastern Research Group, Inc. "Permit limits for Nitrate and Ammonia." - DCN 02699	Telephone conversation to verify permit limits on nitrate and ammonia for 2002. ERG had compared the facility's 2002 DM data with the permit limits as part of the quality review for the 2006 nutrients analysis. The comparison showed that the average quantities reported for nitrate and ammonia for 2002 exceeded the permit limits for every month in 2002.	e	Kandle, Meghan, ERG	12/19/2005 El Dorado Chemicals, El Dorado, AR	Fertilizer Manufacturing		No	EPA-HQ-OW-2004-0032-1670
10.19	02703	Permit, Registration	Missouri Department of Natural Resources NPDES Permit No. MO0000817, River Cement Company, Festus, MO - DCN 02703	MO0000817 - NPDES permit for River Cement Company	8	Malxford, Stephen, Missouri DNR	02/20/2004	Fertilizer Manufacturing	]	No	EPA-HQ-OW-2004-0032-1673
10.19	02704	Permit, Registration	Missouri Department of Natural Resources NPDES Permit MO0000817 - River Cement Company, Festus, MO - Fact Sheet - DCN 02704	MO0000817 - NPDES fact sheet for River cement company	4	Malxford, Stephen, MO DNR	02/20/2004	Fertilizer Manufacturing	]	No	EPA-HQ-OW-2004-0032-1676
10.19	02764	Permit, Registration	NPDES Permit LA0004847, IMC Phosphates Company, Louisiana - DCN 02764	LA0004847 - NPDES permit for IMC Phosphates Company Uncle Sam	55	Levy, Linda Korn, LADEQ	10/15/2003	Fertilizer Manufacturing		No	EPA-HQ-OW-2004-0032-1773

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10.19	02764A1	Permit, Registration	Draft NPDES Permit LA0004847, IMC Phosphates Company, Louisiana - DCN 02764A1	LA0004847 - NPDES fact sheet for IMC Phosphates Company Uncle Sam	209	Levy, Linda Korn, LADEQ	08/14/2003	Ferroalloy Manufacturinç	J	No	EPA-HQ-OW-2004-0032-1777
10.19	03723	Publication Copyrighted Material	The Mosiac Company (IMC) Fiscal 2005 Overview and 2006 Outlook - DCN 03723	Fiscal 2005 Overview and 2006 Outlook	37	The Mosaic Company	08/01/2005	Fertilizer Manufacturing		No	EPA-HQ-OW-2004-0032-2580
10.19	03724	Other	Mississippi Phosphates Corporation Announces Startup Activities - DCN 03724	"Mississippi Phosphates Corporation announced today that startup activities are underway at its Pascagoula, Miss., diammonium phosphate facility."	1	Mississippi Phosphates Corporation	02/02/2006	Fertilizer Manufacturing	j	No	EPA-HQ-OW-2004-0032-2581
10.19	03725	Other	PCS Nitrogen, Memphis, TN Facility Description - DCN 03725	General facility description	2	PCS Nitrogen		Fertilizer Manufacturing	]	No	EPA-HQ-OW-2004-0032-2582
10.19	03726	Publication USEPA	Federal Register Notice: National Emission Standards for Hazardous Air Pollutants from Phosphoric Acid Manufacturing Plants and Phosphate Fertilizers Production Plants - Final Rule and Amendments - DCN 03726	The EPA is taking final action to amend th national emission standards for hazardous air pollutants (NESHAP) for phosphoric ac manufacturing plants and the NESHAP for phosphate fertilizers production plants whi were promulgated on June 10, 1999 under authority of section 112 of the Clean Air Ac (CAA).	s id ch	U.S. EPA	06/13/2002 67 FR 40814	Fertilizer Manufacturing		No	EPA-HQ-OW-2004-0032-2583
10.19	03727	Letter, Memorandum, Email	Memorandum to the Project File for the Phosphoric Acid Manufacturing and Phosphate Fertilizers Production NESHAP - DCN 03727	National emission standards for hazardous air pollutants (NESHAP) from Phosphoric Acid Manufacturing and Phosphate Fertilizers Production; Proposed Rules - Draft Technical Support Document and Additional Technical Information	s 52	Painter, David, U.S. EPA/OAQPS	09/24/1996	Fertilizer Manufacturing	]	No	EPA-HQ-OW-2004-0032-2584

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10.19	03759	Publication Copyrighted Material	Fluoride Wastewater Treatment (FWT) (HF Neutralization or Fluoride Reduction) - DCN 03759	HF is used in at least eight industries: a catalyst in the petroleum industry, an ingredient in many common commercial cleaners to remove rust or spots, as an additive to rocket propellants, as a strippe to etch away silicone dioxide in semiconductor wafer production, as a cleaner to etch glass or quartz products, a a metal cleaner, as a pickling agent and ir laboratories for various purposes.	IS	Wastech Controls & Engineering, Inc.		ering.com/pape htm, accessed	Fertilizer Manufacturinç	<b>∨</b>	No	EPA-HQ-OW-2004-0032-2604
10.19	03760	Publication Copyrighted Material	The EnChem® Process for Fluoride Removal - DCN 03760	Wastewater treatment for the microelectronics industry	7	lonics		/www.ionics.co f/TS4752EUS.p			No	EPA-HQ-OW-2004-0032-2605
10.19	03761	Other	Chapter 14 - Wastewater and Water Treatment - DCN 03761	Use of Calcium Chloride	4	General Chemical Industrial Products	01/01/2002 www. alcium		Fertilizer Manufacturing	]	No	EPA-HQ-OW-2004-0032-2606
10.20	02525	Permit, Registration	US EPA, Region 10 NPDES Permit ID0000612 - McCain Foods, Inc., Burley, Idaho - DCN 02525	ID0000612 - NPDES permit for McCain Foods, Inc.	24	Smith, Randall F., USEPA/Reg. 10	03/28/2000		Fruits and Vegetable Processing		No	EPA-HQ-OW-2004-0032-1136
10.20	02525A1	Permit, Registration	U.S. EPA, Region 10 NPDES Permit ID0000612, McCain Foods, Inc., Burley Factory, Idaho - Fact Sheet - DCN 02525A1	ID0000612 - NPDES fact sheet for McCai Foods, Inc.	n 7	US EPA/ Region 10	12/30/1999		Fruits and Vegetable Processing		No	EPA-HQ-OW-2004-0032-1137
10.20	02652	Publication Copyrighted Material	Full-Scale Operating Experience with a Biological Phosphorus and Nitrogen Removal System Treating High-Strength Potato Processing Wastewater - DCN 02652	Implementation of biological phosphorus removal process for McCain Foods, Inc. Plover, WI facility.	12	Meininger, Stephen O.	Annua Waste and R Confe	ration 8th	Fruits and Vegetable Processing		No	EPA-HQ-OW-2004-0032-1138

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10.20	02705	Permit, Registration	USEPA, Region 10 NPDES Permit ID00006 J. R. Simplot Company, Burley, ID - DCN 02	63 - ID00633 - NPDES permit for J.R. Simplo 2705 Company	ıt 25	Smith, Randall, F. EPA Region 10	03/28/2000		Fruits and Vegetable Processing		No	EPA-HQ-OW-2004-0032-1677
10.20	03143	Permit, Registration	USEPA, Region 10 NPDES Permit ID00006 J. R. Simplot Company, Burley, ID - Fact Sheet - DCN 03143	63 - ID0000663 - NPDES fact sheet for J.R. Simplot Company	7	Smith, Randall F., EPA Region 10	03/28/2000		Fruits and Vegetable Processing		No	EPA-HQ-OW-2004-0032-1680
10.22	02095	Support Background	Farmer's Feed and Supply Documentation - DCN 02095		9	City of Boyden Iowa	08/04/2005		Grain Mills Manufacturing	]	No	EPA-HQ-OW-2004-0032-0246
10.26	01584	Support Background	Arkema, Riverview, MI - DCN 01584		3	Arkema	03/18/2005		Inorganic Chemicals		No	EPA-HQ-OW-2004-0032-0057
10.26	01585	Support Background	Arkema, Beaumont, TX - DCN 01585		4	Arkema	03/18/2005		Inorganic Chemicals		No	EPA-HQ-OW-2004-0032-0058
10.26	01586	Support Background	Savannah River Operations Office - DCN 07	1586	2	U.S. DOE	03/21/2005		Inorganic Chemicals		No	EPA-HQ-OW-2004-0032-0060

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10.26	01587	Support Background	Elementis Chromium Products and Applications - DCN 01587		1	Elementis	03/21/2005		Inorganic Chemicals		No	EPA-HQ-OW-2004-0032-0062
10.26	01588	Support Background	Detrex Chemicals Division - DCN 01588		1	Detrex Corp	03/21/2005		Inorganic Chemicals		No	EPA-HQ-OW-2004-0032-0063
10.26	01589	Publication	Vulcan Chemicals Manufacturing Locations - DCN 01589		5	Vulcan Materials Company	03/18/2005		Inorganic Chemicals		No	EPA-HQ-OW-2004-0032-0064
10.26	01590	Support Background	Celanese Agrees to Sell Global Allylamines and US Alkylamines Businesses to US Amines Ltd DCN 01590		1	Celanese Corporation	03/18/2005		Inorganic Chemicals		No	EPA-HQ-OW-2004-0032-0066
10.26	01591	Support Background	Mallinckrodt Baker, Phillipsburg, NJ - DCN 01591		3	Mallinckrodt Inc.	03/18/2005		Inorganic Chemicals		No	EPA-HQ-OW-2004-0032-0067
10.26	01592	Report	HoltraChem Manufacturing Company - DCN 01592		5	Maine Department of Environment Protection	03/18/2005		Inorganic Chemicals		No	EPA-HQ-OW-2004-0032-0068

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10.26	01769	Permit, Registration	Westinghouse Elec LLC/Columbia NPDES Permit # SC0001848 Richland County letter and permit (SIC 2819 INAG) - DCN 01769		33	Sadler, Marion F.	05/25/1999				No	EPA-HQ-OW-2004-0032-0070
10.26	01890	Meeting or Teleconference Materials	Sodium Nitrite Releases Reported to TRI - Engelhard Corporation - PA -DCN 01890		1	Kasenge, Audrey, ERG	06/29/2005		Inorganic Chemicals		No	EPA-HQ-OW-2004-0032-0071
10.26	01891	Meeting or Teleconference Materials	Sodium Nitrite Releases Reported to TRI - Engelhard Corporation - SC -DCN 01891		1	Kasenge, Audrey, ERG	06/27/2005		Inorganic Chemicals		No	EPA-HQ-OW-2004-0032-0073
10.26	01892	Meeting or Teleconference Materials	Mercury Release Reported to TRI in 2000 - Norit Americas, TX -DCN 01892		1	Kasenge, Audrey, ERG	06/27/2005		Inorganic Chemicals		No	EPA-HQ-OW-2004-0032-0074
10.26	01893	Meeting or Teleconference Materials	Sodium Nitrite Release Reported to TRI in 2002 - Repauno Product, NJ -DCN 01893		1	Kasenge, Audrey, ERG	06/27/2005		Inorganic Chemicals		No	EPA-HQ-OW-2004-0032-0075
10.26	01895	Letter, Memorandum, Email	NPDES Permit, Kerr - McGee Pigments (Savannah) IncDCN 01895		19	Georgia Department of Natural Resources	05/30/2003		Inorganic Chemicals		No	EPA-HQ-OW-2004-0032-0076

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10.26	01898	Other	Fact Sheet: Application for National Pollutant Discharge Elimination System Permit to Discharge Treated Wastewaters to Waters of the State of Georgia -DCN 01898		8	Georgia Dept of Natl Res Envir Pro Div.	04/15/2003		Inorganic Chemicals		No	EPA-HQ-OW-2004-0032-0079
10.26	01899	Permit, Registration	Permit To Dispose of Wastes -DCN 01899	TX0000710	30	Texas Commission on Environment al Quality	03/02/2004		Inorganic Chemicals		No	EPA-HQ-OW-2004-0032-0082
10.26	02099	Support Background	DuPont TiO2 Plant TWPE -DCN 02099		5	Wood, Ken, DuPont	08/04/2005		Inorganic Chemicals		No	EPA-HQ-OW-2004-0032-0084
10.26	02398	Permit, Registration	Ohio EPA NPDES permit OH0000523 - Millennium Inorganic Chemicals, Inc. Ashtabula, OH - DCN 02398	OH0000523 - NPDES permit for Millenniur Inorganic Chemicals, Inc Ashtabula Plar		Jones, Christopher, Ohio EPA	03/20/2003		Inorganic Chemicals		No	EPA-HQ-OW-2004-0032-1139
10.26	02399	Permit, Registration	Ohio EPA NPDES permit OH0000493 Millennium Inorganic Chemicals, Inc Ashtabula, OH - DCN 02399	OH0000493 - NPDES permit for Millenniur Inorganic Chemicals, Inc Ashtabula Plar	m 37 ht II	Jones, Christopher, Ohio EPA	03/20/2003		Inorganic Chemicals		No	EPA-HQ-OW-2004-0032-1140
10.26	02401	Permit, Registration	Mississippi DEQ NPDES permit MS0002232 - Kerr McGee Chemical Corporation, Hamilton, MS - DCN 02401	MS0002232 -NPDES permit for Kerr McGe Chemical Corporation	ee 26	Mississippi DEQ	09/22/2005		Inorganic Chemicals		No	EPA-HQ-OW-2004-0032-1141

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10.26	02402	Permit, Registration	Tennessee DEC NPDES Permit, TN0001465 - El DuPont DeNemours & Co., Inc., Johnsonville, TN - DCN 02402	TN0001465 NPDES Permit, for EI DuPont DeNemours & Co., Inc.	43	Davis, Paul E., Tennessee DEC	06/30/2004		Inorganic Chemicals		No	EPA-HQ-OW-2004-0032-1142
10.26	02404	Permit, Registration	Maryland DE NPDES Permit MD0001261 - Millennium Inorganic Chemicals, Inc., Baltimore, MD - DCN 02404	MD0001261 - NPDES Permit for Millenniu Inorganic Chemicals, Inc.,	m 26	Summers, Robert M., Maryland DE	02/03/2003		Inorganic Chemicals		No	EPA-HQ-OW-2004-0032-1143
10.26	02406	Permit, Registration	Louisiana DEQ NPDES permit LA0080829 - Louisiana Pigment Co., L.P., Westlake, LA - DCN 02406	LA0080829 - NPDES permit for Louisiana Pigment Co., L.P.	54	Levy, Linda, Louisiana DEQ	06/07/2002		Inorganic Chemicals		No	EPA-HQ-OW-2004-0032-1144
10.26	02408	Permit, Registration	Delaware DNR NPDES permit DE0000051 - E. I. du Pont de Nemours & Company, Edge Moor, DE - Fact Sheet - DCN 02408		u 46	Delaware DNR	10/20/1993		Inorganic Chemicals		No	EPA-HQ-OW-2004-0032-1145
10.26	02410	Permit, Registration	Mississippi DEQ NPDES permit MS0027294 DuPont DeLisle Facility, Pass Christian, MS - DCN 02410	MS0027294 - NPDES permit for DuPont DeLisle Facility	18	Cain, Jerry W., Mississippi DEQ	07/09/2003		Inorganic Chemicals		No	EPA-HQ-OW-2004-0032-1146
10.26	02430	Permit, Registration	West Virginia DEP NPDES permit WV0073679 - Clearon Corp., South Charleston, West Virginia - DCN 02430	WV0073679 - NPDES permit for Clearon Corp.,	21	Turner, Allyn G., West Virginia DEP	01/03/2002		Inorganic Chemicals		No	EPA-HQ-OW-2004-0032-1147

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10.26	02430A1	Permit, Registration	West Virginia DEP NPDES Permit WV0073679 - Clearon Corp., South Charleston, WV - Fact Sheet - DCN 02430A1	WV0073679 - NPDES fact sheet for Cleard Corp.	on 9	West Virginia DEP			Inorganic Chemicals		No	EPA-HQ-OW-2004-0032-1148
10.26	02541	Publication Copyrighted Material	Titanium Dioxide Producers Price Capacity Market Demand Consumption Production - The Innovation Group Chemical Profile for Titanium Dioxide - DCN 02541		2	The Innovation Group	10/12/2005		Inorganic Chemicals		No	EPA-HQ-OW-2004-0032-1149
10.26	02630	Permit, Registration	New Jersey DEP NPDES Permit NJ0004219 - E I DuPont De Nemours & Co. Inc. Greenwich Twp, NJ - DCN 02630	NJ0004219 - NPDES Permit for E I DuPon De Nemours & Co. Inc.	nt 41	Patterson, Pilar, New Jersey	01/13/2006		Inorganic Chemicals		No	EPA-HQ-OW-2004-0032-1150
10.26	02675	Data	DuPont Memphis Dioxin Analytical Data Point - DCN 02675		2	Zweig, Greg, Dupont Memphis	02/17/2000		Inorganic Chemicals		No	EPA-HQ-OW-2004-0032-1151
10.26	03307	Letter, Memorandum, Email	Letter To Ellie Codding, ERG - DCN 03307	This letter is in response to the February 2 2006 letter from Jan Matuszko of EPA regarding 2002 and 2003 TRI dioxin reported discharges.	3, 3	William Schildt, Millenium Chemicals	03/01/2006		Inorganic Chemicals		No	EPA-HQ-OW-2004-0032-2333
10.26	03308	Letter, Memorandum, Email	Letter to Greg Cooper, Louisiana Pigment - DCN 03308	Enclosed are the analytical results for sample(s) received by the laboratory on February 18, 2002.	6	Pace Analytical Services, Inc.	03/19/2002		Inorganic Chemicals		No	EPA-HQ-OW-2004-0032-2334

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10.26	03309	Data	Letter to Ellie Codding, ERG - DCN 03309	Per your request Louisiana Pigment Co. L.P. has attached a binder with the Dioxin/Furan Analysis for specific Outfalls that was conducted for Louisiana Pigment Company, L.P. (Louisiana Pigment) in Westlake, Louisiana.	0 t	Godfrey, W. Gregory, Louisiana Pigniets	04/24/2006		Inorganic Chemicals		No	EPA-HQ-OW-2004-0032-2335
10.26	03323	Letter, Memorandum, Email	Email to Eleanor Codding, ERG - DCN 03323	Attached is the word doc of the letter sent the City with the full analysis, and also a spreadsheet of the data summary for the POTW discharge.	: 1	Zweig, Greg, Dupont Memphis	02/23/2006		Inorganic Chemicals		No	EPA-HQ-OW-2004-0032-2343
10.26	03323A1	Letter, Memorandum, Email	Letter to Akil Al-Chokhachi, Memphis Division of Public Works - DCN 03323A1	This letter is in response to the City of Memphis' request for industrial discharge in Memphis to sample their wastewater ar analyze for dioxins and dibenzofurans.		Zweig, Greg, Dupont Memphis	03/13/2000		Inorganic Chemicals		No	EPA-HQ-OW-2004-0032-2343.1
10.26	03325	Data	TRI Corrections to Du Pont Titanium Dioxide Facility Data - DCN 03325	DuPont Johnsonville, Edge Moor, and DeLisle facilities.	6	Wood, Ken, DuPont	01/30/2006		Inorganic Chemicals		No	EPA-HQ-OW-2004-0032-2346
10.26	03326	Letter, Memorandum, Email	Letter to Eleanor Codding, ERG - DCN 03326	Please find responses below to remaining questions from your email of February 2nd for DeLisle and Edge Moor facilities.		Wood, Ken, DuPont	02/13/2006		Inorganic Chemicals		No	EPA-HQ-OW-2004-0032-2347
10.26	03327	Letter, Memorandum, Email	Letter to Tom Dolan, Kerr McGee - DCN 03327	Section 304(b) of the Clean Water Act requires EPA to annually review and, if appropriate, revise its technology-based reulations, called (effluent limitations guidelines" or "effluent guidelines," that lin the discharge of pollutants to waters of the U.S. from various categories of industrial facilities.	2 nit e	Matuszko, Jan, USEPA	02/23/2006		Inorganic Chemicals		No	EPA-HQ-OW-2004-0032-2349

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10.26	03328	Letter, Memorandum, Email	Letter to William Schildt, Millennium Chemicals - DCN 03328	Section 304(b) of the Clean Water Act requires EPA to annually review and, if appropriate, revise its technology-based reulations, called (effluent limitations guidelines" or "effluent guidelines," that lin the discharge of pollutants to waters of the U.S. from various categories of industrial facilities.	2 nit e	Matuszko, Jan, USEPA	02/23/2006		Inorganic Chemicals		No	EPA-HQ-OW-2004-0032-2351
10.26	03329	Letter, Memorandum, Email	Letter to Diana Hensley, Millennium Chemicals - DCN 03329	Section 304(b) of the Clean Water Act requires EPA to annually review and, if appropriate, revise its technology-based reulations, called (effluent limitations guidelines" or "effluent guidelines," that lim the discharge of pollutants to waters of the U.S. from various categories of industrial facilities.	2 nit e	Matuszko, Jan, USEPA	05/24/2006		Inorganic Chemicals		No	EPA-HQ-OW-2004-0032-2353
10.26	03330	Analysis	OSW Technical Document on Minerals - DCN 03330	Tantalum is used in the electronics indust as well as in aerospace and transportatior applications. Columbium (the commonly used synonym for the element niobium) is used as an alloying element in steels and superalloys.	n i	6 USEPA, OSW			Inorganic Chemicals		No	EPA-HQ-OW-2004-0032-2356
10.26	03331	Publication USEPA	Final Titanium Dioxide Listing Background Document for the Inorganic Chemical Listing Determination - DCN 03331	Titanium dioxide is produced in the United States by 9 manufacturers through the chloride, sulfate, or the chloride-ilmenite processes (See Section 2).	38 8	3 USEPA	10/01/2001		Inorganic Chemicals		No	EPA-HQ-OW-2004-0032-2419
10.26	03976	Meeting or Teleconference Materials	Notes from Telephone Conversation Between Terry Frees, Kerr McGee, Hamilton, MS, and Eleanor Ku Codding, Eastern Research Group, Inc DCN 03976	2002 and 2003 TRI Reporting from Kerr McGee Hamilton, MS Titanium Dioxide Pl	1 an	Codding, Eleanor, ERG	04/27/2006		Inorganic Chemicals		No	EPA-HQ-OW-2004-0032-2652
10.26	03977	Publication USEPA	Method 1613: Tetra- Through Octa-Chlorinated Dioxins and Furans by Isotope Dilution HRGC/HRMS - DCN 03977	Dioxin and Dioxin-like Compounds metho	d 89	9 U.S. EPA/OW/EA D		http://www.epa.gov/w aterscience/methods /1613.pdf			No	EPA-HQ-OW-2004-0032-2653

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10.26	03978	Publication Other Government	U.S. Geological Survey Minerals Yearbook: Titanium and Titanium Dioxide - DCN 03978	General information on production and use of titanium and titanium dioxide.	e 2	U.S. GS	g m	ttp://minerals.usgs. ov/minerals/pubs/co nmodity/titanium/tidi mcs06.pdf	Inorganic Chemicals		No	EPA-HQ-OW-2004-0032-2654
10.26	03983		Notes from Telephone Conversation Between Tammy Burke, Louisiana Pigments, and Eleanor Ku Codding, Eastern Research Group, Inc DCN 03983	2002 and 2003 TRI Reporting from Louisiana Pigment's Titanium Dioxide Plar in Lake Charles, LA	1 nt	Codding, Eleanor, ERG	04/25/2006		Inorganic Chemicals		No	EPA-HQ-OW-2004-0032-2659
10.26	03984		Notes from Telephone Conversation Between Tammy Burke, Louisiana Pigments, and Eleanor Ku Codding, Eastern Research Group, Inc DCN 03984	2002 and 2003 TRI Reporting from Louisiana Pigment's Titanium Dioxide Plar in Lake Charles, LA	1 nt	Codding, Eleanor, ERG	02/16/2006		Inorganic Chemicals		No	EPA-HQ-OW-2004-0032-2660
10.26	03985		Notes from Telephone Conversation Between Tom Dolan, Kerr McGee, Savannah, GA and Eleanor Ku Codding, Eastern Research Group, Inc DCN 03985	2002 and 2003 TRI Reporting from Kerr McGee (Tronox)'s Titanium Dioxide Plant Savannah, GA	1 in	Codding, Eleanor, ERG	02/16/2006		Inorganic Chemicals		No	EPA-HQ-OW-2004-0032-2662
10.26	04077	Letter, Memorandum, Email	E-mail corespondence between Kenneth Wood of Du Pont and Eleanor Ku Codding of Eastern Research Group, Inc DCN 04077	Dishcarges of Dioxin at Du Pont Facilities	2	Codding, Ellie, ERG	01/01/2006		Inorganic Chemicals		No	EPA-HQ-OW-2004-0032-2700
10.27	02417	Permit, Registration	Pennsylvania DEP NPDES permit PA0005754 J&L Specialty Steel, Inc., Corapolis, PA - DCN 02417		y 38	Dreier, Tim V., Pennsylvania DEP	12/27/2001		Iron and Steel Manufacturing		No	EPA-HQ-OW-2004-0032-1152

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10.27	02417A1	Permit, Registration	Pennsylvania DEP NPDES permit PA0005754 - J&L Specialty Steel, Midland, Coraopolis, PA - Fact Sheet - DCN 02417A1	PA0005754 - NPDES permit J&L Specialt Steel	y 13	Scheib, R. J., Pennsylvania DEP	10/19/1999		Iron and Stee Manufacturin		No	EPA-HQ-OW-2004-0032-1153
10.27	02417A2	Permit, Registration	Pennsylvania DEP NPDES PA0005754 - J&L Specialty Steel, Coraopolis, PA - Public Notice - DCN 02417A2	PA0005754 - NPDES public notice for J&I Specialty Steel	_ 7	Pennsylvania DEP			Iron and Stee Manufacturin		No	EPA-HQ-OW-2004-0032-1154
10.27	02497	Permit, Registration	Pennsylvania DEP NPDES permit PA0006343 - AK Steel Corporation - Butler Operations, Butler, PA - DCN 02497	PA0006343 - NPDES permit for AK Steel Corporation - Butler Operations	144	Gilson, Ricardo F., Pennsylvania DEP	04/29/2002		Iron and Stee Manufacturin		No	EPA-HQ-OW-2004-0032-1155
10.27	02497A1	Permit, Registration	Pennsylvania DEP NPDES permit AK Steel Corporation - Butler Operations, Butler, Pennsylvania - Fact Sheet - DCN 02497A1	PA0006343 - NPDES fact sheet for AK Steel Corporation - Butler Operations	53	Permits Section Chief, Pennsylvania DEP	04/29/2002		Iron and Stee Manufacturin		No	EPA-HQ-OW-2004-0032-1156
10.27	02628	Permit, Registration	Indiana DEM NPDES Permit IN0000281 - United States Steel Gary Works, Gary, IN - DCN 02628	IN0000281 - NPDES Permit United States Steel Gary Works	8 87	Tallon, Beth L., Indiana DEM	02/21/2006		Iron and Stee Manufacturin		No	EPA-HQ-OW-2004-0032-1429
10.27	02629	Permit, Registration	Indiana DEM NPDES Permit IN0045284 - Allegheny Ludlum Corporation New Castle Plant, New Castle Indiana, IN - DCN 02629	IN0045284 - NPDES Permit for Allegheny Ludlum Corporation New Castle Plant	66	Rueff, Matthew C., Indiana DEM	03/24/2000		Iron and Stee Manufacturin		No	EPA-HQ-OW-2004-0032-1157

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10.27	03144	Publication USEPA	USEPA Region 3 Press Release: AK Steel Signs Zelienople Clean Water Deal - DCN 03144	Press release discussing the consent agreement between AK Steel and EPA Region 3 regarding nitrate discharges to th Connoquenessing Creek.	3 ne	Boyle, Patrick, US EPA Region 3	03/02/2001	<http: yosemite.epa.<br="">gov/opa/admpress.n sf/0/2cd522a6bda1e 524852570d60070fc 2a?OpenDocument (Accessed 12/9/05)</http:>			No	EPA-HQ-OW-2004-0032-1684
10.27	03145	Report	Recovery of Stainless Steel Pickel Liquors: Purification Vs. Regeneration - DCN 03145	Report on the chemistry that occurs during the stages of picking stainless steel and th pros and cons of purifying or regenerating the wastewater streams.	ne	Brown, Craig, et al, Eco-Tec Inc.	09/01/2002	<http: www.eco-<br="">tec.com/techpapers/ TP%20158%20APU %20vs%20roaster.p df (Accessed 12/9/05)</http:>	Iron and Stee Manufacturing		No	EPA-HQ-OW-2004-0032-1688
10.27	03906	Meeting or Teleconference Materials	Notes from telephone conversation between Bill Moses, AK Steel, Butler, PA, and Meghan Kandle, Eastern Research Group, Inc. "Nitrite plus Nitrate load for 2002." - DCN 03906	Telephone conversation to determine whether EPA should use average quantity or average concentration data from the facility's discharge monitoring reports (DMRs) to calculate an annual load for the facility. EPA could not reproduce the annu- load in PCSLoads2002 using the DMR data	e Jal	Kandle, Meghan, ERG	12/19/2005	AK Steel, Butler, PA	Iron and Stee Manufacturing		No	EPA-HQ-OW-2004-0032-2649
10.29	01641	Publication Copyrighted Material	Silicate Enhanced Enzymatic Dehairing: A New Lime-Sulfide-Free Process for Cowhides - DCN 01641		8	Subraman isaravenabha ven et al.	03/25/2005		Leather Tanning and Finishing		No	EPA-HQ-OW-2004-0032-0087
10.29	01710	Support Background	Enzyme-Based Process Could Reduce Waste From Leather Tanning, Study Finds DCN 01710		1	Betts, Kellyn	04/20/2005		Leather Tanning and Finishing		No	EPA-HQ-OW-2004-0032-1033
10.29	02641	Publication Copyrighted Material	The Application of Plant Latex for the Treatment of Industrial Effluents - DCN 02641	The effect of the addition of plant latex to industrial effluents was studied. The latex obtained from the plant species Calotropis gigantea was found to alter the characteristics of the tannery effluent significantly.	6	M. Pushkerial and S. Balasubrama nian	08/01/2002	Water Environment Federation 8th Annual Industrial Wastes Technical and Regulatory Conference, August 11-14, 2002	Leather Tanning and Finishing		No	EPA-HQ-OW-2004-0032-1158

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10.30	01635	Support Background	Application for NPDES Permit to discharge Wastewater to Waters of the State Mississippi - DCN 01635		4	Mississippi DEQ	10/21/2002		Meat and Poultry Products, Part 432		No	EPA-HQ-OW-2004-0032-0091
10.30	02166	Publication Copyrighted Material	Renderers Documentation - DCN 02166		5	Animal Protein Producers Industry	08/04/2005		Meat and Poultry Products, Part 432		No	EPA-HQ-OW-2004-0032-0094
10.30	02419	Permit, Registration	USEPA Region 7 NPDES permit NE0001392 - IBP, Inc, Dakota City, NE - DCN 02419	NE0001392 - NPDES permit for IBP, Inc	10	Alderman, Leo J., USEPA Region 7	09/30/2002		Meat and Poultry Products, Part 432		No	EPA-HQ-OW-2004-0032-1159
10.30	02496	Permit, Registration	Final NPDES Permit AL0040843 - American Proteins, Inc., Hanceville, Alabama - DCN 02496	AL0040843 - NPDES Permit for Americar Proteins, Inc	n 46	Hughes, Edgar K., Alabama DEM	09/28/2000		Meat and Poultry Products, Part 432		No	EPA-HQ-OW-2004-0032-1160
10.30	02550	Permit, Registration	Nebraska NPDES Permit NE0123501- Tyson Fresh Meats, Inc., Lexington, NE - DCN 02550	NE0123501 - NPDES Permit for Tyson Fresh Meats, Inc.	58	Nebraska DEQ	03/25/2005		Mineral Mining and Processin		No	EPA-HQ-OW-2004-0032-1161
10.30	02550A1	Permit, Registration	Nebraska NPDES Permit NE0123501 - Tyson Fresh Meats, Inc., Lexington, NE - DCN 02550A1	NE0123501 - NPDES Permit Tyson Fresh Meats, Inc.	า 11	Nebraska DEQ	01/04/2004		Meat and Poultry Products, Part 432		No	EPA-HQ-OW-2004-0032-1162

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10.30	02551	Permit, Registration	USEPA Region VII NPDES Permit NE0001392 - IBP, Inc. Dakota City, NE - Fact Sheet - DCN 02551	NE0001392 - NPDES fact sheet for IBP, In	c 18	Nebraska DEQ	05/08/2002		Meat and Poultry Products, Par 432		No	EPA-HQ-OW-2004-0032-1163
10.30	02552	Permit, Registration	North Carolina NPDES Permit NC0078344 - Smithfield Packing Company, Inc., Tar Heel, NC - DCN 02552	NC0078344 - NPDES Permit for Smithfield Packing Company, Inc.	35	Klimek, Alan, North Carolina DENR	11/15/2002		Meat and Poultry Products, Par 432		No	EPA-HQ-OW-2004-0032-1164
10.30	03130	Publication Copyrighted Material	Joint Municipal and Industrial Wastewater Treatment in Rural Communities: Simulation Analysis with Poultry Processing Plants - DCN 03130		69	Rossi, Daniel, et al., USDA	01/01/1980	U.S. Department of Agriculture, Technical Bulletin No. 1615.	Meat and Poultry Products, Par 432		No	EPA-HQ-OW-2004-0032-1693
10.30	03131	Letter, Memorandum, Email	Letter to Jim Parker, TetraTech, Inc DCN 03131	Local Limits Summary: pretreatment programs with local limits for oil and grease	3	LaDuca, Ann, Tetra Tech, Inc.	12/04/2001		Meat and Poultry Products, Par 432		No	EPA-HQ-OW-2004-0032-1695
10.30	03132	Letter, Memorandum, Email	Memorandum to File: Comparison of Meat Processing and Domestic Wastewaters - DCN 03132		11	Johnston, Carey A., US EPA	06/14/2001		Meat and Poultry Products, Par 432		No	EPA-HQ-OW-2004-0032-1699
10.30	03133	Letter, Memorandum, Email	Memorandum to Public File: Preliminary Meat and Poultry Products Industry Data Concerning POTW Interference and Pass Through - DCN 03133	Preliminary Meat and Poultry Products Industry Data Concerning POTW Interference and Pass Through	173	Johnston, Carey A., US EPA	02/22/2002		Meat and Poultry Products, Par 432		No	EPA-HQ-OW-2004-0032-1702

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10.30	03146	Meeting or Teleconference Materials	Notes from telephone conversation between Alan Vote, American Proteins Hanceville Division, Hanceville, AL and Jessica Wolford, ERG - DCN 03146	Discussion of American Proteins Hanceville nitrite plus nitrate discharges in PCS 2002	e 1	Wolford, Jessica, ERG	01/05/2006		Meat and Poultry Products, Pai 432	T	No	EPA-HQ-OW-2004-0032-1706
10.31	01642	Publication Copyrighted Material	New Snow-Machining Technology Could Revolutionize Metal Cutting and Parts Cleaning - DCN 01642		3		03/01/2005		Metal Finishing, Pa 433	<b>√</b> rt	No	EPA-HQ-OW-2004-0032-0098
10.31	01770	Permit, Registration	Kansas Water Pollution Control Permit - DCN 01770		49	Department of Health	12/28/1999		Metal Finishing, Pa 433	rt	No	EPA-HQ-OW-2004-0032-0100
10.31	01771	Permit, Registration	Authorization to Discharge under the National Pollutant Discharge Elimination System, Behlen Manufacturing Company -DCN 01771		28	Rice, Patrick W.	07/15/1999		Metal Finishing, Pa 433	rt	No	EPA-HQ-OW-2004-0032-0103
10.31	01775	Permit, Registration	lowa Department of Natural Resources NPDES Permit -DCN 01775		104	Farrand, Wayne	07/15/1999		Metal Finishing, Pa 433	rt	No	EPA-HQ-OW-2004-0032-0105
10.31	01809	Publication Copyrighted Material	20 Ways to Cut Water Usage in Plating Shops - DCN 01809		5	Ted Mooney, P.E.	07/13/2005		Metal Finishing, Pa 433	<b>√</b> rt	No	EPA-HQ-OW-2004-0032-0107

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10.31	01810	Support Background	NT Frost Surges to Water-Wiser Savings -DCN 01810		3	BT Frost	07/13/2005		Metal Finishing, Par 433	t	No	EPA-HQ-OW-2004-0032-0108
10.31	02254	Publication USEPA	Final Development Document for Effluent Limitations and Standards for the Metal Finishing Point Source Category - DCN 02254		605	US EPA	06/01/1983		Metal Finishing, Par 433	t	No	EPA-HQ-OW-2004-0032-0110
10.31	02608	Publication Copyrighted Material	Removal of Metals from Metal Finishing Wastewater Using a Granular, Magnesium- based Adsorbent - DCN 02608		4	Walter, Matthew D.	07/13/2004	http://wateronline.co m	Metal Finishing, Par 433	<b>∨</b> t	No	EPA-HQ-OW-2004-0032-1165
10.31	03150	Publication Copyrighted Material	Cutting Fluid Management for Small Machining Operations - DCN 03150	A practical pollution prevention guide, 3rd edition	62	Iowa Waste Reduction Center, Uni. Nor. IA	12/17/2003	http://www.p2pays.or g/ref/15/14636.pdf (Accessed on 5/10/06)	Metal Finishing, Par 433	<b>⊻</b> t	No	EPA-HQ-OW-2004-0032-2322
10.33	04122	Other	Modular Biotreatment Systems Versus Oil- Water Separators: A Comparison of Pretreatment Technologies - DCN 04122		26	Maningas, M., Naval Air Station Patuxent	04/01/2004	30th Environmental and Energy Symposium & Exhibition (http://www.dtic.mil/n dia/2004enviro/)	Metal Product and Machiner (MP&M)		No	EPA-HQ-OW-2004-0032-2738
10.34	02542	Permit, Registration	NPDES Permit: Minnesota Mining, Arch Street Quarry - AR0001414 - DCN 02542	AR0001414 - NPDES permit for Minnesot Mining.	a 30	Bennett, Chuck, ADEQ	09/30/2000		Mineral Mining and Processir		No	EPA-HQ-OW-2004-0032-1166

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10.34	02543	Letter, Memorandum, Email	Letter to Ms. Meghan Kandle, ERG Inc - DCN 02543	Letter regarding Minnesota Mining-Arch Street Quarry, AR0001414, Minnesota Mining-College Station Plant, AR0001686	1	Lunsford, Mary ADEQ	06/02/2004				No	EPA-HQ-OW-2004-0032-2315
10.34	02547	Permit, Registration	Florida NPDES Permit FL0037958, Cargill Fertizer, Inc., Fort Meade, FL - DCN 02547	FL0037958 - NPDES Permit for Cargill Fertizer, Inc	27	Zamani, Sam S., Florida DEP	03/15/2000		Mineral Minin and Processi		No	EPA-HQ-OW-2004-0032-1167
10.34	02547A1	Permit, Registration	Florida NPDES Permit FL0037958 Fact Sheet - Cargill Fertizer, Inc., Fort Meade, FL - DCN 02547A1	FL0037958 - NPDES fact sheet for Cargill Fertizer, Inc.	I 3	Sharrock, George, Florida DEP	09/13/2002		Mineral Minin and Processi		No	EPA-HQ-OW-2004-0032-1168
10.34	02548	Permit, Registration	Florida Department of Environmental Protection NPDES Permit FL0036226 - PCS Phosphates, White Springs, FL - DCN 02548	FL0036226 - NPDES Permit for PCS Phosphates	28	Owen, Jerry, Florida DEP	05/27/2003		Mineral Minin and Processi		No	EPA-HQ-OW-2004-0032-1169
10.34	02548A1	Permit, Registration	Fact Sheet - Florida Department of Environmental Protection NPDES Permit FL0036226 - PCS Phosphates, White Springs, FL - DCN 02548A1	FL0036226 - NPDES fact sheet for PCS Phosphates	16	Kohn, Ken	05/27/2003		Mineral Minin and Processi		No	EPA-HQ-OW-2004-0032-1170
10.34	02549	Permit, Registration	Florida Department of Environmental Protection NPDES Permit FL0000655 - PCS Phosphates, White Springs, FL - DCN 02549		31	Owen, Jerry, Florida DEP	05/13/2003		Mineral Minin and Processi		No	EPA-HQ-OW-2004-0032-1171

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10.34	02549A1	Permit, Registration	Fact Sheet for State of Florida Department of Environmental Protection NPDES Permit FL0000655 - PCS Phosphates, White Springs, FL - DCN 02549A1	FL0000655 - NPDES Permit PCS Phosphates	17	Kohn, Ken, Florida DEP	05/27/2003		Mineral Mini and Process		No	EPA-HQ-OW-2004-0032-1172
10.34	02669	Permit, Registration	NPDES Permit AR0001686- Minnesota Mining - College Station Plant - DCN 02669	AR0001686 - NPDES permit for Minnesot Mining - College Station Plant, Pulaski County, AR, issued 5/31/99.	ta 15	Bennett, Chuck, ADEQ	05/31/1999		Mineral Mini and Process		No	EPA-HQ-OW-2004-0032-1173
10.34	03139	Meeting or Teleconference Materials	Notes from telephone conversation between Linda Weber (Scott Mears), Cargill Fertilizer, and Jessica Wolford, ERG - DCN 03139	Discussion of South Fort Meade Mine tota nitrogen discharges to PCS in 2002.	al 1	Wolford, Jessica, ERG	01/10/2006		Mineral Mini and Process		No	EPA-HQ-OW-2004-0032-1713
10.34	03147	Meeting or Teleconference Materials	Notes from telephone Conversation between Stan Posey, PCS Phosphates, White Springs, FL and Jessica Wolford, ERG - DCN 03147	Discussion of PCS Phosphate outfall descriptions in permit compared to PCS.	1	Wolford, Jessica, ERG	02/15/2006		Mineral Mini and Process		No	EPA-HQ-OW-2004-0032-1715
10.36	01773	Permit, Registration	Missouri State Operating Permit, The Doe Run Company- DCN 01773		28	Young, John A.	11/06/1988		Nonferrous Metals Manufacturir (NFM)	ng	No	EPA-HQ-OW-2004-0032-0113
10.36	02397	Permit, Registration	Maryland NPDES Permit MD0002429, Eastalco Aluminum Company - DCN 02397	MD0002429 - NPDES permit for Eastalco Aluminum Co.	0 28	Summers, Robert, MDE	03/01/2005		Nonferrous Metals Manufacturir (NFM)	ng	No	EPA-HQ-OW-2004-0032-1175

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10.36	02397A1	Permit, Registration	Maryland Department of the Environment, Summary Report and Fact Sheet MD0002429, Eastalco Aluminum Company - DCN 02397A1	MD0002429 - NPDES fact sheet for Eastalco Aluminum Company	23	Maryland, Deptment of Environment			Nonferrous Metals Manufacturing (NFM)	)	No	EPA-HQ-OW-2004-0032-1175.1
10.36	02403	Permit, Registration	State of Tennessee NPDES Permit, TN0029157 Pasminco Clarksville - DCN 02403	TN0029157 - NPDES permit for Pasminco Clarksville	o 53	Davis, Paul E., Tennessee DEC	11/30/2000		Nonferrous Metals Manufacturing (NFM)	]	No	EPA-HQ-OW-2004-0032-1176
10.36	02407	Permit, Registration	Louisiana Pollutant Discharge Elimination System (NPDES) permit LA0110931, CS Metals of Louisiana, Inc DCN 02407	LA0110931 - NPDES permit for CS Metals of Louisiana, Inc.	s 50	Levy, Linda, Lousiana DEQ	12/09/2002		Nonferrous Metals Manufacturing (NFM)	]	No	EPA-HQ-OW-2004-0032-1177
10.36	02409	Permit, Registration	Authorization to Discharge Under the NPDES, PA0002208, Zinc Corporation of America - DCN 02409	PA0002208 - NPDES permit for Zinc Corporation of America	52	Dreier, Tim V., Pennsylvania DEP	08/02/2001		Nonferrous Metals Manufacturing (NFM)	)	No	EPA-HQ-OW-2004-0032-1178
10.36	02411	Permit, Registration	National Pollutant Discharge Elimination System Wate Discharge Permit OR0001112 - Teledyne Industries, Inc., Oregon - DCN 02411	OR0001112 - NPDES permit for Teledyne Industries, Inc	e 18	Hansen, Fred, Oregon DEP	09/30/1988		Nonferrous Metals Manufacturing (NFM)	)	No	EPA-HQ-OW-2004-0032-1179
10.36	02412	Permit, Registration	Ohio EPA Authorization to Discharge Under the National Pollutant Discharge System OH0002518, Brush Wellman, Inc DCN 02412	OH0002518 - NPDES permit for Brush Wellman, Inc.	75	Jones, Christopher, Ohio EPA	06/26/2002		Nonferrous Metals Manufacturing (NFM)		No	EPA-HQ-OW-2004-0032-1180

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10.36	02413	Permit, Registration	Ohio EPA Authorization to Discharge Under the National Pollutant Discharge System OH0011550, Ormet Primary Aluminum Corporation - DCN 02413	OH0011550 - NPDES permit for Ormet Primary Aluminum Corporation	51	Jones, Christopher, Ohio EPA	02/25/2004		Nonferrous Metals Manufacturing (NFM)		No	EPA-HQ-OW-2004-0032-1181
10.36	02413A1	Other	NPDES Permit Program Fact Sheet OH0011550 Ormet Primary Aluminum Corporation, Hannibal, Ohio - DCN 02413A1	OH0011550 - NPDEs fact sheet for Orme Primary Aluminum Corporation	t 46	Ohio, EPA			Nonferrous Metals Manufacturing (NFM)		No	EPA-HQ-OW-2004-0032-1181.1
10.36	02421	Permit, Registration	Permit to Discharge Wastes TX0034738, Gulf Chemical & Metallurgical Corporation, Freeport, Texas - DCN 02421	TX0034738 - NPDES permit for Gulf Chemical & Metallurgical Corporation	14	Texas, CEQ	05/27/2005		Nonferrous Metals Manufacturing (NFM)	9	No	EPA-HQ-OW-2004-0032-1182
10.36	02421A1	Permit, Registration	Fact Sheet and Executive Director's Preliminary Decision TX0034738, Gulf Chemical & Metallurgical Corpation, Freeport, Texas - DCN 02421A1	TX0034738 - NPDES fact sheet for Gulf Chemical & Metallurgical Corporation	14	Sunderlin, Michael, Texas CEQ	12/16/2004		Nonferrous Metals Manufacturing (NFM)	9	No	EPA-HQ-OW-2004-0032-1183
10.36	02422	Permit, Registration	Permit to Dispose of Wastes TX0004715, Aluminum Company of America, Point Comfort, Texas - DCN 02422	TX0004715 - NPDES permit for ALCOA Point Comfort.	30	Texas, NRCC	09/30/1996		Nonferrous Metals Manufacturing (NFM)		No	EPA-HQ-OW-2004-0032-1184
10.36	02494	Permit, Registration	State Pollutant Discharge Elimination System Discharge Permit NY0001732, Alcoa, Inc., Massena, NY - DCN 02494	NY0001732 - NPDES permit for Alcoa, Ind Massena	c. 57	Fenlon, Brian D., NYSDEC	06/09/2003		Nonferrous Metals Manufacturing (NFM)		No	EPA-HQ-OW-2004-0032-1185

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10.36	02494A1	Permit, Registration	SPDES Permit Fact Sheet NY0001732: Wastewater Data, Receiving Water Data, and Permit Limit Derivation ALCOA, Inc. Massena, NY - DCN 02494A1	NY0001732 - NPDES fact sheet for ALCO Inc. Massena	DA, 26	Mitchell, Shayne, NYSDEC	07/16/2001		Nonferrous Metals Manufacturing (NFM)	]	No	EPA-HQ-OW-2004-0032-1186
10.36	02495	Permit, Registration	State Pollutant Discharge Elimination System Discharge Permit NY0000132, Alcoa - East, Massena, NY - DCN 02495	NY0000132 - NPDES permit for Alcoa - East, Massena	69	Fenlon, Brian D., NYSDEC	04/29/2004		Nonferrous Metals Manufacturing (NFM)		No	EPA-HQ-OW-2004-0032-1430
10.36	02503	Permit, Registration	State of Missouri, DNR, Doe Run, Glover Smelter, MO-R13696, Iron County - DCN 02503	MOR103696 - NPDES permit for Doe Rur Glover Smelter	n, 10	Schroeder, Philip A., Missouri DNR	07/08/2004		Nonferrous Metals Manufacturing (NFM)	]	No	EPA-HQ-OW-2004-0032-1187
10.36	02503A1	Permit, Registration	NPDES Permit Fact Sheet MO0001121, Doe Run Glover Smelter Iron County, Missouri - DCN 03317	MO0001121 - NPDES fact sheet for Doe Run/Glover Smelter.	47	Missouri, DNR	11/19/1999		Nonferrous Metals Forming and Metal Powder	rs	No	EPA-HQ-OW-2004-0032-1187.1
10.36	02504	Permit, Registration	State of Missouri, DNR, Doe Run Co., Herculaneum Smelter, MO0000281, Jefferson County - DCN 02504	MO0000281 - NPDES permit for Doe Run Co., Herculaneum	ı 18	Gaines, Gary L., Missouri DNR	02/27/2003		Nonferrous Metals Manufacturing (NFM)	]	No	EPA-HQ-OW-2004-0032-1192
10.36	02505	Permit, Registration	State of Missouri, DNR, Operating Permit MO0105732, Noranda Aluminum, Inc., New Madrid - DCN02505	MO0105732 - NPDES permit for Noranda Aluminum, Inc.	21	Mahfood, Stephen M., Missouri DNR	01/09/2004		Nonferrous Metals Manufacturino (NFM)	]	No	EPA-HQ-OW-2004-0032-1431

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10.36	02545	Meeting or Teleconference Materials	Notes from telephone conversation between Mike Redington, Olin Corp. and Jessica Wolford, ERG - DCN 02545	Olin Corp Main Plant Facility Phosphorous Releases in TRI 2003	s 2	Wolford, Jessica, ERG	12/20/2005		Nonferrous Metals Forming and Metal Powder	s	No	EPA-HQ-OW-2004-0032-1174
10.36	02712	Publication Other Government	Primary Aluminum Plants Worldwide - 1998: Part II - Summary - DCN 02712	Summary of announced world primary aluminum plant capacities	19	U.S. Geological Survey	07/01/1999		Nonferrous Metals Manufacturing (NFM)		No	EPA-HQ-OW-2004-0032-1719
10.36	02728	Permit, Registration	NPDES No. : KY0001821 NSA-Division of Southwire Co. Hancock County, Kentucky, Century Aluminum of Kentucky LLC - DCN 02728	KY0001821 - NPDES permit for Century Aluminum of Kentucky LLC	23	Wilson, Jack A., KDEP	06/05/1998		Nonferrous Metals Manufacturing (NFM)		No	EPA-HQ-OW-2004-0032-1723
10.36	02729	Permit, Registration	NPDES No.: KY0004278 Alcan Ingot - Sebree Aluminum Plant Henderson County, Kentucky - DCN 02729	KY0004278 - NPDES permit for Sebree Aluminum Plant	27	Wilson, Jack A., KDEP	07/22/1998		Nonferrous Metals Manufacturing (NFM)		No	EPA-HQ-OW-2004-0032-1725
10.36	02732	Permit, Registration	Water Pollution Control Permit SC0036153, Alumax of South Carolina, Goose Creek, Berkeley County - DCN 02732	SC0036153 - NPDES permit for Alumax o South Carolina	f 19	Joy, James A., SCDHEC	02/18/1987		Nonferrous Metals Manufacturing (NFM)	)	No	EPA-HQ-OW-2004-0032-1729
10.36	02735	Permit, Registration	NPDES Water Pollution Control Permit WV0000779, Century Aluminum of WV Inc., Ravenswood, West Virginia - DCN 02735	WV0000779 - NPDES permit for Century Aluminum of WV Inc.	22	McClung, Lisa A., WVDEP	09/30/2002		Nonferrous Metals Manufacturing (NFM)	]	No	EPA-HQ-OW-2004-0032-1731

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10.36	02736	Permit, Registration	NPDES Waste Discharge Permit No. WA0000299, Evergreen Aluminum, LLC, Vancouver, WA - DCN 02736	WA0000299 - NPDES permit for Evergree Aluminum, LLC	n 25	McCall, Merley, Washington DE			Nonferrous Metals Manufacturing (NFM)		No	EPA-HQ-OW-2004-0032-1734
10.36	02736A1	Other	Fact Sheet Addendum, NPDES Permit No. WA000299, Evergreen Aluminum LLC, Vancouver, Washington - DCN 02736A1	WA0000299 - NPDES fact sheet for Evergreen Aluminum, LLC	3	Washington DE			Nonferrous Metals Manufacturing (NFM)		No	EPA-HQ-OW-2004-0032-1735
10.36	02737	Permit, Registration	NPDES Waste Discharge Permit WA0000540, Goldendale Aluminum Company, Goldendale, Washington - DCN 02737	WA0000540 - NPDES permit for Goldendale Aluminum Company	35	Kraege, Carol, Washington DE	05/01/2002		Nonferrous Metals Manufacturing (NFM)		No	EPA-HQ-OW-2004-0032-1737
10.36	02737A1	Permit, Registration	Fact Sheet for NPDES Permit WA0000540, Facility Name - Goldendale Aluminum - DCN 02737A1	WA0000540 - NPDES permit for Goldendale Aluminum Company	44	Washington DE			Nonferrous Metals Manufacturing (NFM)		No	EPA-HQ-OW-2004-0032-1739
10.36	02738	Permit, Registration	NPDES Waste Discharge Permit WA0000680, Aluminum Company of America, Wenatchee Works, Washington - DCN 02738	WA0000680 - NPDES permit for ALCOA Wenatchee Works	27	Kraege, Carol, Washington DE	09/02/1997		Nonferrous Metals Manufacturing (NFM)		No	EPA-HQ-OW-2004-0032-1741
10.36	02738A1	Permit, Registration	Fact Sheet for NPDES Permit WA0000680 Alcoa Primary Metals - Wenatchee Works - DCN 02738A1	WA0000680 - NPDES fact sheet for ALCC Wenatchee Works	DA 1	Washington DE			Nonferrous Metals Manufacturing (NFM)		No	EPA-HQ-OW-2004-0032-1742

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10.36	02739	Permit, Registration	NPDES WA0000876, Kaiser Aluminum & Chemical Corporation, Mead Works, Washington - DCN 02739	WA0000876 - NPDES permit for Kaiser Aluminum Mead Works	28	Kraege, Carol, Washington DE	01/01/2000		Nonferrous Metals Manufacturing (NFM)	]	No	EPA-HQ-OW-2004-0032-1746
10.36	02739A1	Permit, Registration	Fact Sheet for NPDES Permit WA0000876, Kaiser Aluminum and Chemical Corporation, Mead Works, Summary - DCN 02739A1	WA0000876 - NPDES fact sheet for Kaise Aluminum Mead Works	er 24	Washington DE			Nonferrous Metals Manufacturing (NFM)	]	No	EPA-HQ-OW-2004-0032-1748
10.36	02740	Permit, Registration	NPDES WA0000931, Kaiser Aluminum & Chemical Corporation, Tacoma Works - DCN 02740	WA0000931 - NPDES permit for Kaiser Aluminum Tacoma Works	31	Kraege, Carol, Washington DE	10/10/2001		Nonferrous Metals Manufacturing (NFM)		No	EPA-HQ-OW-2004-0032-1751
10.36	02740A1	Permit, Registration	Fact Sheet for NPDES Permit WA0000931, Kaiser Aluminum & Chemical Corporation, Tacoma Works - DCN 02740A1	WA0000931 - NPDES fact sheet for Kaise Aluminum Tacoma Works	ər 30	Washington DE	11/29/2001		Nonferrous Metals Manufacturing (NFM)	)	No	EPA-HQ-OW-2004-0032-1756
10.36	02760	Permit, Registration	NPDES Water Discharge Permit WA0002950, Intalco Aluminum Corporation, Ferndale, Washington - DCN 02760	WA0002950 - NPDES permit for Intalco Aluminum	37	Kraege, Carol, Washington DE			Nonferrous Metals Forming and Metal Powder	S	No	EPA-HQ-OW-2004-0032-2318
10.36	02760A1	Other	Fact Sheet for NPDES Permit WA0002950 Alcoa Primary Metals - Intalco Works - DCN 02760A1	WA0002950 - NPDES fact sheet for Intalc Aluminum	co 1	Washington DE			Aluminum Manufacturing	]	No	EPA-HQ-OW-2004-0032-2318.1

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10.36	02762	Permit, Registration	NPDES Waste Discharge Permit OR0001708, Northwest Aluminum Company, The Dalles, Oregon - DCN 02762	OR0001708 - NPDES permit for Northwest Aluminum Company	t 19	Nichols, Richard J., ORDEQ	02/08/2005		Nonferrous Metals Manufacturing (NFM)	)	No	EPA-HQ-OW-2004-0032-1767
10.36	02763	Permit, Registration	Final Settlement - Petition Withdrawal NPDES Pemrit #NC0004308, Aluminum Co. of America - Badin Works, Stanly County - DCN 02763	NC0004308 - NPDES permit for ALCOA Badin Works	30	Howard, A. Preston, Jr., NCDEHNR	10/20/1995		Nonferrous Metals Manufacturing (NFM)		No	EPA-HQ-OW-2004-0032-1770
10.36	02863	Permit, Registration	NPDES permit WA0000086 Longview Aluminum, LLC. Longview - DCN 02863	WA0000086 - NPDES permit and fact shea for Longview Aluminum, LLC. Longview, Washington issued 10/15/90.	et 57	Kraege, Carol, Washington DE	06/26/2003		Nonferrous Metals Manufacturing (NFM)	)	No	EPA-HQ-OW-2004-0032-1782
10.36	02893	Permit, Registration	Authorization to Discharge Under the NPDES PA0012751, Zinc Corporation of America, Palmerton, PA - DCN 02893	PA0012751 - NPDES permit for Zinc Corporation of America, Plamerton, Pennsylvania issued 12/18/01.	53	Crowley, Kate, Pennsylvania DEP		Commonwealth of Pennsylvania, Department of Environmental Protection, Water Management Program	Nonferrous Metals Manufacturing (NFM)		No	EPA-HQ-OW-2004-0032-1787
10.36	03314	Permit, Registration	State of Indiana DEM Authorization to Discharge Under the NPDES IN0001155, Alcoa Inc Warrick Enterprises - DCN 03314	IN0001155 - NPDES permit issued to Alco Inc. located in Newburgh, Indiana on 8/3/0-		Indiana, DEM	08/03/2004	0	Nonferrous Metals Manufacturing (NFM)	)	No	EPA-HQ-OW-2004-0032-2339
10.36	03314A1	Permit, Registration	NPDES Permit Program Fact Sheet IN0001155 Alcoa Warrick Operations, Indiana - DCN 03314A1	IN0001155 - Fact sheet for Alcoa Inc., Newburgh, Indiana	114	Indiana, DEM			Nonferrous Metals Manufacturino (NFM)		No	EPA-HQ-OW-2004-0032-2339.1

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10.36	03315	Permit, Registration	Buick Resource Recycling Facility, LLC State Operating Permit MO0000337 - DCN 03315	MO0000337 - NPDES permit issued to Buick Resource Recycling Facility, LLC or 8/23/02.	10 n	Missouri, DNR	11/14/2003		Nonferrous Metals Manufacturing (NFM)		No	EPA-HQ-OW-2004-0032-2340
10.36	03315A1	Permit, Registration	Fact Sheet MO0000337, Doe Run - Resource Recycling - DCN 03315A1	MO0000337 - NPDES fact sheet for Buick Resource Recycling Facility, LLC	< 1	Missouri, DNR			Nonferrous Metals Manufacturing (NFM)		No	EPA-HQ-OW-2004-0032-2340.1
10.36	03319	Permit, Registration	Modified NPDES Permit Number TN0065081 Alcoa, Blount County, Tennessee - DCN 03319	TN00065081 - NPDES permit number issued to Alcoa, Inc South Plant, Alcoa, Tennessee on 3/31/04.	30	Tennessee, DEC	03/30/2004		Nonferrous Metals Manufacturing (NFM)		No	EPA-HQ-OW-2004-0032-2341
10.36	03319A1	Permit, Registration	Addendum to Permit Rationale TN0065081 Alcoa Inc. South Plant - DCN 03319A1	TN0065081 - NPDES fact sheet for Alcoa Inc., Alcoa, Tennessee.	40	Tennessee, DEC	01/07/2004		Nonferrous Metals Manufacturing (NFM)		No	EPA-HQ-OW-2004-0032-2341.1
10.36	03728	Publication Copyrighted Material	Find Alcan Around the World - Sebree, KY, USA - DCN 03728	General production and location information for the Alcan Sebree facility.	on 1	Alcan, Inc.	/w or D 5´ m	ttp://www.alcan.com web/publishing.nsf/c ntent/FF0C85E1F0 0760B185256E8600 1BC1F?OpenDocu nent, accessed /28/06.	Metals Manufacturing		No	EPA-HQ-OW-2004-0032-2585
10.36	03729	Publication Copyrighted Material	ALCOA Badin Works - DCN 03729	General information about production for ALCOA Badin Works	2	ALCOA	/lc tic de	ttp://www.alcoa.com ocations/alcoa_loca on/en/home.asp?co e=406, accessed /17/06.	Metals		No	EPA-HQ-OW-2004-0032-2586

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10.36	03730	Publication Copyrighted Material	ALCOA Takes Full Ownership of Intalco and Eastalco Smelters in Washington and Maryland; Signs Agreement for NW Power - DCN 03730		3	ALCOA	06/29/2006	http://www.alcoa.com /global/en/news/new s_detail.asp?pageID =20060629005669e n&newsYear=2006, accessed 7/17/06.	Metals		No	EPA-HQ-OW-2004-0032-2587
10.36	03731	Publication Copyrighted Material	ALCOA Tennessee Operations - DCN 03731	General information about production for ALCOA South Plant	2	ALCOA	07/05/2006	http://www.alcoa.com /tn_operations/en/ho me.asp, accessed 7/5/06.	Nonferrous Metals Manufacturing (NFM)		No	EPA-HQ-OW-2004-0032-2588
10.36	03732	Publication Copyrighted Material	ALCOA Warrick Operations - DCN 03732	General information about production for ALCOA Warrick	3	ALCOA	01/01/2006	http://www.alcoa.com /locations/usa_warric k/en/home.asp, accessed 7/5/06.			No	EPA-HQ-OW-2004-0032-2589
10.36	03733	Publication Copyrighted Material	ALCOA Begins Troutdale Site Restoration - DCN 03733		3	ALCOA	07/13/2003	http://www.alcoa.com /global/en/news/new s_detail.asp?pageID =231974841&newsY ear=2003, accessed 7/17/06.	Metals Manufacturing		No	EPA-HQ-OW-2004-0032-2590
10.36	03734	Publication Copyrighted Material	The Doe Run Company - Smelting and Refining at Glover, MO - DCN 03734	General information about production for Doe Run Glover	1	The Doe Run Company	04/12/2006	http://www.doerun.co m/whatwedo/glover.a spx, accessed 4/12/06.			No	EPA-HQ-OW-2004-0032-2591
10.36	03735	Publication Copyrighted Material	The Doe Run Company - Recycling Operations at Boss, MO - DCN 03735	General information about production for Doe Run Boss	2	The Doe Run Company	01/01/2004	http://www.doerun.co m/whatwedo/boss.as px			No	EPA-HQ-OW-2004-0032-2592

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10.36	03736	Publication Copyrighted Material	Smelter's Final Hope Melts - DCN 03736	Closure of Longview Aluminum Facility	3	Forgey, Pat, The Daily News Longview, WA	01/20/2004	http://www.tdn.com/a rticles/2004/01/20/ar ea_news/news01.txt	Nonferrous Metals Manufacturing (NFM)	<b>√</b>	No	EPA-HQ-OW-2004-0032-2593
10.36	03737	Publication Copyrighted Material	Glencore Aluminum, Alumina, and Bauxite - DCN 03737	General information about production for Columbia Falls Aluminum Smelter, Evergreen Aluminum Smelter, and Centur Aluminum Company.	2 ry	Glencore International AG	01/01/2006	http://www.glencore. com/pages/aluminiu m.htm	Nonferrous Metals Manufacturing (NFM)	<b>√</b>	No	EPA-HQ-OW-2004-0032-2594
10.36	03753	Publication Copyrighted Material	Olin Brass - DCN 03753	General information about production for Olin's Brass Manufacturing facility's, specifically East Alton, IL	2	Olin Corp.	04/28/2000	http://www.olin.com/b usiness/brass.asp	Nonferrous Metals Manufacturing (NFM)		No	EPA-HQ-OW-2004-0032-2599
10.36	03754	Publication Other Government	Mineral Industry Surveys: Vanadium in January 2005 - DCN 03754	Industry trends of vanadium consumption production, and cost.	, 5	Magyar, Michael, USGS	04/01/2005	http://minerals.usgs. gov/minerals	Nonferrous Metals Manufacturing (NFM)	]	No	EPA-HQ-OW-2004-0032-2600
10.36	03755	Publication Other Government	Aluminum Mineral Commodity Summary - DCN 03755	Industry trends of aluminum consumption production, and cost.	, 2	Plunkert, Patricia, USGS	01/01/2006	http://minerals.usgs. gov/minerals	Nonferrous Metals Manufacturing (NFM)	]	No	EPA-HQ-OW-2004-0032-2601
10.36	03756	Publication Copyrighted Material	Port Prepares to Demolish Kaiser Smokestack - DCN 03756	When will the Kaiser smokestack demoliti blast happen?	on 5	Port of Tacoma, WA	01/01/2000	http://www.portoftaco ma.com/topstory.cfm ?sub=69&lsub=847		<b>V</b>	No	EPA-HQ-OW-2004-0032-2602

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10.36	03758	Publication Copyrighted Material	Portsmouth Gaseous Diffusion Plant - DCN 03758	General information about the facility.	2	United States Enrichment Corporation Inc.	01/01/2005	http://www.usec.com/ v2001_02/HTML/Fac ilities_PortsOverview .asp	Metals		No	EPA-HQ-OW-2004-0032-2603
10.37	01481	Publication Copyrighted Material	Controlling Synthetic-Based Drilling Fluid Discharges Through the Best Management Practices Compliance Alternative - 01481		7	Johnston, Carey A., US EPA	03/01/2004		Oil & Gas Extraction		No	EPA-HQ-OW-2004-0032-0115
10.37	01761	Study	Impact of Heat Aging on Sediment Toxicity of Ester/Olefin Based Drilling Muds to Leptocheirus plumulosus-DCN 01761		30	Cano, M.L., et al	07/29/2004		Oil & Gas Extraction		No	EPA-HQ-OW-2004-0032-0117
10.37	01794	Letter, Memorandum, Email	Response to 11/15/04 letter Identifying Test Issues -DCN 01794		37	Grumbles, Benjamin	02/28/2005		Oil & Gas Extraction		No	EPA-HQ-OW-2004-0032-0119
10.37	01802	Support Background	Comments of the American Petroleum Institute, the National Ocean Industries Assoc, the Offshore Operators Committee and the Petroleum Equipment Limitations Guidelines for the Oil and Gas Extraction Point Source Category Proposed Rule, 65 FR 21548, April 21, 2000		120	Moran, Robert	06/20/2005		Oil & Gas Extraction		No	EPA-HQ-OW-2004-0032-0986
10.37	01803	Support Background	Field Measurements of Barite Discharges in the Gulf of Mexico		12	Candler, John E., Primeaux, Ronnie J.	03/01/2003		Oil & Gas Extraction		No	EPA-HQ-OW-2004-0032-0987

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10.37	01837	Letter, Memorandum, Email	Clarification of Technology-based Sediment Toxicity and Biodegradation Limitations and Standards for Controlling Synthetic-based Drilling Fluid Discharges -DCN 01837		16	Boornazian, Linda Y., Smith, Mary T., EPA	10/10/2003		Oil & Gas Extraction		No	EPA-HQ-OW-2004-0032-0123
10.37	01838	Letter, Memorandum, Email	Letter from Terry Twyman, American Petroleum Institute, to Ben Grumbles, Acting Administrator for Water, USEPA -DCN 01838		2	Twyman, Terry, American Petroleum Institut	11/15/2004		Oil & Gas Extraction		No	EPA-HQ-OW-2004-0032-0124
10.37	01839	Letter, Memorandum, Email	Letter from Stephan von Tapavicza, Cognis Oilfield Chemicals, to USEPA Region 6 -DCN 01839		3	Von Tapavicza, Stephan	07/23/2004		Oil & Gas Extraction		No	EPA-HQ-OW-2004-0032-0125
10.37	01840	Letter, Memorandum, Email	Examples Using Different Types of Ester-Based Oil and Gas Extraction Drilling Fluids -DCN 01840		16	Johnston, Carey A., US EPA	07/28/2005		Oil & Gas Extraction		No	EPA-HQ-OW-2004-0032-0126
10.37	01841	Letter, Memorandum, Email	Email Communication From Nadja Herzog, Cognis Oilfield, Chemicals, to Carey Johnston, USEPA -DCN 01841		20	Herzog, Nadja, Cognis Oilfield Chemicals	07/28/2005		Oil & Gas Extraction		No	EPA-HQ-OW-2004-0032-0127
10.37	01842	Letter, Memorandum, Email	Petroleum Institute from Benjamin H. Grumbles, As Assistant Administrator for Water, USEPA re: to	tter from Benjamin H. Grumbles, sistant Administrator for Water, USEPA Ms.Terry Twyman, American Petroleun titute -DCN 01842		Grumbles, Benjamin H., USEPA	02/28/2005		Oil & Gas Extraction		No	EPA-HQ-OW-2004-0032-0940

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10.37	01920	Letter, Memorandum, Email	Review of Effluent Limitations Guidelines and Standards for Synthetic-Based Drilling Fluids and Other Non-Aqueous Drilling Fluids on the Oil and Gas Extraction Point Source Category - DCN 01920		8	Johnston, Carey A., US EPA	08/12/2005		Oil & Gas Extraction		No	EPA-HQ-OW-2004-0032-0989
10.37	01921	Letter, Memorandum, Email	E-mail Communication From Paul Scott, Marathon Oil, to Carey Johnston, US EPA - DCN 01921		19	Scott, Paul, Marathon Oil	08/12/2005		Oil & Gas Extraction		No	EPA-HQ-OW-2004-0032-0990
10.37	01948	Support Background	Final NPDES General Permit for New and Existing Sources and New Dischargers in the Offshore Subcategory of the Oil and Gas Extraction Category for the Western Portion of the Outer Continental Shelf of the Gulf of Mexico -DCN 01948		117	US. EPA, Region 6	09/28/2004		Oil & Gas Extraction		No	EPA-HQ-OW-2004-0032-0128
10.37	01949	Publication Copyrighted Material	Selective Removal of 226Ra2+ From Gas-Field- Produced Waters - DCN 01949		5	FIJS W. B. Van Leeuwen et al.	07/15/2005		Oil & Gas Extraction		No	EPA-HQ-OW-2004-0032-0988
10.37	01950	Publication Copyrighted Material	Achieving Regulatory Compliance with Synthetic-Based Drilling Fluids -DCN 01950		10	Stephen Rabke, M-I L.L.C, et al	03/01/2003		Oil & Gas Extraction		No	EPA-HQ-OW-2004-0032-0129
10.37	02444	Publication Copyrighted Material	02444	Varying government regulations and measurement methods call for standardization.	8	Tyrie, Colin C., Caudle, Dan D.		WorldOil.com, October 2005, Vol. 226, No. 10	Oil & Gas Extraction		No	EPA-HQ-OW-2004-0032-1432

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10.37	02793	Publication Copyrighted Material	Petrobras Selects Siemens Water Technologies For P-53 Produced Water Treatment System - DCN 02793	The Water Technologies division of Siemens's Industrial Solutions and Service (I&S) Group was selected by Petrobras to provide a produced water treatment syster to its P-53 Floating Production Storage an Offloading (FPSO) unit, located off the coa of Brazil.	m d	Siemens Industrial Solutions & Services Gp	05/18/2006		Oil & Gas Extraction	V	No	EPA-HQ-OW-2004-0032-1449
10.37	02796	Publication Copyrighted Material	GE's Evaporator Technology Provides High Quality Boiler Feedwater - DCN 02796	GE Water & Process Technologies, a unit General Electric Company, offers its innovative falling film vertical tube evaporator technology for Steam Assisted Gravity Drainage (SAGD) heavy oil recover facilities. To pretreat de-oiled produced water, many SAGD facilities have recently shifted from the conventional methods of using warm or hot lime softening, filtration, and weak acid cation (WAC) ion exchange to using falling film vertical tube evaporato to produce steam generator feedwater. The alternative approach to produced water treatment is simpler, more cost-effective, and more reliable. It also reduces the size and complexity of the steam generation system as the lime softener, filtration, WAC exchange systems and other de-oiling step are eliminated.	ery , ers iis C	GE Water & Process Technologies		Water Online newsletter, 5/12/06	Oil & Gas Extraction		No	EPA-HQ-OW-2004-0032-1450
10.37	02825	Letter, Memorandum, Email	E-mail to USEPA Region 6 on - DCN 02825	Mercury in Produced Water at the Alex Platform (BA 019)	4	Margaret Metcalf, U.S. DOI/MMS	05/15/2006		Oil & Gas Extraction		No	EPA-HQ-OW-2004-0032-1795

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10.37	03079	Publication Copyrighted Material	Cumulative Environmental Effects of Oil and Gas Activities on Alaska's North Slope - DCN 03079	The report identifies accumulated environmental, social and economic effect of oil and gas leasing, exploration, and production on Alaska's North Slope. Economic benefits to the region have been accompanied by effects of the roads, infrastructure and activities of oil and gas production on the terrain, plants, animals and peoples of the North Slope. While attempts by the oil industry and regulatory agencies have reduced many of the environmental effects, they have not been eliminated. The report makes recommendations for further environmentar research related to environmental effects.	n	National Academy of Science	01/01/2003	http://www.nap.edu/c atalog/10639.html (Accessed 6/21/06)	Oil & Gas Extraction		No	EPA-HQ-OW-2004-0032-1451
10.37	03155	Publication Copyrighted Material	Technip Selects Siemens to Supply Produced Water Filtration and Seawater Injection Systems - DCN 03155		1	Siemens Water Technologies		Siemens Water Technologies website, http://www.usfilter.co m/en/About+USFilter /Newsroom/produced _water_06082006.ht	Oil & Gas Extraction		No	EPA-HQ-OW-2004-0032-1971
10.37	03347	Letter, Memorandum, Email	Memorandum to Valerie Kopcso, Biologist, BLM, Malta Field Office - DCN 03347	Information requested for JVP Oil and Gas waste water pits.	s 5	Hanebury, Lou, U.S. DOI	01/21/2005		Oil & Gas Extraction		No	EPA-HQ-OW-2004-0032-2421

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10.37	03446	Publication Other Government	Alaska Coal Resources and Coalbed Methane Potential - DCN 03446	The U.S. Geological Survey (USGS) is assessing coal resources in Alaska and th conterminous United States to deter-mine the quantity, quality, and minability of coal likely to be used within the next 30 years. This assessment is critical because the utilization of clean (low sulfur content and low ash yield) coal has been rising in the United States and because coal is the leas expensive fuel for generation of electrical power. Previous coal resource assessmen attempted to assess the total coal in the ground in the United States and Alaska, bu those estimates tended to be high and included coal deposits that are either not available (contain coal beds that are too th and (or) too deep to be economically mine using present mining technology) or that an not of sufficient quality to serve as a fuel for electrical power generation.	st ts ut d	Flores, Romeo M., et al.		U.S. Geological Survey Bulletin 2198 http://pubs.usgs.gov/ bul/b2198	Coal Bed Methane		No	EPA-HQ-OW-2004-0032-2458
10.37	03673	Publication Other Government	Offsite Commercial Disposal of Oil and Gas Exploration and Production Waste: Availability, Options, and Costs - DCN 03673		148	Pruder, M.G., Veil, J., Argonne Nat'l Lab		http://www.ead.anl.g ov/project/dsp_topicd etail.cfm?topicid=18			No	EPA-HQ-OW-2004-0032-2554
10.37.1	02226	Publication Copyrighted Material	A Positive Trade-off: By Switching Ions of Contaminants with Hydrogen Ions, Ion Exchange Technology Treats Wastewater and Helps Industry Respond to Stringent Environmental Regulations - DCN 02226		4	Dennis, Richard S.	07/01/2005		Coal Bed Methane		No	EPA-HQ-OW-2004-0032-0332
10.37.1	02492	Letter, Memorandum, Email	Memorandum to Public Record for the 2006 Effluent Guidelines Program Plan Re: Review of Coal Bed Methane for the 2006 Effluent Guidelines Program Plan - DCN02492	Four factor analysis of water from the coal bed methane industry.	6	Johnston, Carey, USEPA	10/31/2006		Coal Bed Methane		No	EPA-HQ-OW-2004-0032-2314

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10.37.1	02714	Publication Copyrighted Material	Produced-water chemical treatments enable environmental compliance - DCN 02714		16	Bosch, Ron	10/01/2005	www.worldoil.com/m agazine, article id 2698 (Accessed on 4/12/06)	Coal Bed Methane		No	EPA-HQ-OW-2004-0032-1448
10.37.1	02840	Publication Copyrighted Material	E-mail to Dan Jackson, USEPA Region 8 - DCN 02840	Final Report: Coal bed methane produced water tratment : Wallace Gulch reverse osmosis test	1 17	Malecha, Steve, Triwatech	06/08/2006	Environmental Protection, 15, No. 9	Coal Bed Methane		No	EPA-HQ-OW-2004-0032-1452
10.37.1	02991	Publication Copyrighted Material	Status of Natural Gas Pipeline System Capacity Entering the 2000-2001 Heating Season - DCN 02991		k ie ing	Energy Information Administratio n		Natural Gas Monthly, October 2000 http://tonto.eia.doe.g ov/FTPROOT/feature s/pc200010sr.pdf (Accessed 6/29/06)	Coal Bed Methane		No	EPA-HQ-OW-2004-0032-1453
10.37.1	02992	Other	A Novice's Introduction to Coal Bed Methane - DCN 02992	A large component of natural gas is a substance called methane (CH4).Methane a gas compound produced when organic material is geologically turned into coal. When the coal and methane conversion process occurs such that the coal is saturated with water and methane is trapp within the coal, the result is "coal bed methane." Coal bed methane (CBM) is the same compound as natural gas, just deriv from a different geologic situation. The gas has a wide variety of energy-related uses, and with the current energy crisis and relatively high fuel prices, increased attention has been put on development of this resource.	e e red s	Bauder, Jim, et al.	01/01/2001	Montana State University, http://waterquality.mo ntana.edu/docs/meth ane/cbm101, Accessed 6/30/06	Coal Bed Methane		No	EPA-HQ-OW-2004-0032-1798

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10.37.1	02993	Report	The Basics of Salinity and Sodicity Effects on Soil Physical Properties - DCN 02993	Saline irrigation water contains dissolved substances known as salts. In much of the arid and semi-arid United States (including Montana), most of the salts present in irrigation water are chlorides, sulfates, carbonates, and bicarbonates of calcium magnesium, sodium, and potassium. While salinity can improve soil structure, it can also negatively affect plant growth and croo yields.	e	Bauder, et al.	01/01/2003	Montana State University, http://waterquality.mo ntana.edu/docs/meth ane/cbm101, Accessed 6/30/06	Coal Bed Methane		No	EPA-HQ-OW-2004-0032-1972
10.37.1	02994	Report	Diagnosing Salinity Problems - DCN 02994	The symptoms and causes of salinity, high pH, specific ion toxicity, and sodicity are frequently confused. These conditions can all have adverse affects on plant growth, b they differ significantly in their cause and relative impact. Effective management of these problems varies considerably and requires correct diagnosis of the problem. Proper diagnosis is critical to successful problem correction.		Waskom, Reagan	01/01/2003	Montana State University, http://waterquality.mo ntana.edu/docs/meth ane/cbm101, Accessed 6/30/06	Coal Bed Methane		No	EPA-HQ-OW-2004-0032-1799
10.37.1	02995	Report	Salinity, Sodicity and Flooding Tolerance of Selected Plant Species of the Northern Cheyenne Reservation - DCN 02995	The Northern Cheyenne Reservation, located in southeastern Montana, covers 445,000 acres and is bordered on the east by the Tongue River and on the west by the Crow Reservation. One concern about coa bed methane (CBM) development in this region is the impact that CBM product wat could have on native and culturally significant plants on the Northern Cheyenr Reservation	ie al er	Bauder, James, et al.		Montana State University, http://waterquality.mo ntana.edu/docs/meth ane/cbm101, Accessed 6/30/06	Coal Bed Methane		No	EPA-HQ-OW-2004-0032-1973

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10.37.1	02996	Publication Copyrighted Material		Formation waters associated with coalbed methane have a common chemical character that can be an exploration tool, regardless of formation lithology or age. Effectively devoid of sulfate, calcium, and magnesium, the waters contain primarily sodium and bicarbonate and, where influenced by water of marine association, also contain chloride. The distinct geochemical signature evolves through the processes of biochemical reduction of sulfate, enrichment of bicarbonate, and precipitation of calcium and magnesium. Cation exchange with clays may also deplete the dissolved calcium and magnesium, but is not prerequisite. Low sulfate/bicarbonate ratios characterize thes waters and are also common but less pronounced with occurrences of conventional oil and gas. Waters rich in sulfate, calcium, and magnesium occur in many coalbed aquifers but are not found in association with methane.	Se	Van Voast, Wayne A.	04/01/2003	American Association of Petroleum Geologists Bulletin, 87(4), 667-676 April 2003, http://waterquality.mo	Coal Bed Methane		No	EPA-HQ-OW-2004-0032-1454
10.37.1	02997	Publication Copyrighted Material	South Australia DCN 02997	On a small scale, reclaimed water (RCW) use has been practised on the Northern Adelaide Plains (NAP) horticultural districts for more than 28 years. The RCW has had approximately 1.7 times the salinity and twice the sodium absorption ratio (SAR) of bore water commonly used for irrigation in the district. Recently, a large-scale reclamation scheme has been commissioned which could eventually supply approximately 30 GL of RCW to over 250 growers on the NAP. This study compared historical water quality and time of use data with physico-chemical properties of soil cores taken from sites where reclaimed (RCW-irrigated) or bore water has been used for irrigation, or sites that had n been irrigated (virgin).	er es ad	Smart, M. K.	09/01/2003	Australian Journal of Soil Research, http://waterquality.mo ntana.edu/docs/meth ane/cbm101, Accessed 6/30/06	Coal Bed Methane		No	EPA-HQ-OW-2004-0032-1455
10.37.1	02998	Speech	Coal Bed Methane Product Water Management and Disposal Economics in the Rocky Mountain Region - DCN 02998		7	Bauder, Jim, et al.	01/01/2002	Montana State University, http://waterquality.mo ntana.edu/docs/meth ane/cbm101, Accessed 6/30/06	Coal Bed Methane		No	EPA-HQ-OW-2004-0032-1804

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10.37.1	02999	Publication Copyrighted Material	Leaching and Reclamation of a Soil Irrigated with Moderate SAR Waters - DCN 02999	Irrigation with blended drainage water car damage soil structure, impair infiltration, a increase runoff and erosion. This loss of permeability is often attributed to the slak of aggregrates and clay dispersion, which leads to pore plugging. Soil swelling is usually considered an important factor on when exchangeable sodium percentages (ESP) exceed 15%. We hypothesized tha swelling is more important than generally recognized in reducing soil hydraulic conductivity (HC), and swelling can occur low ESP. In this study we attempted to identify the mechanisms reducing HC and the reversibility of the processes during gypsum and sulfuric acid application. Synthetic drainage waters with sodium adsorption ratios (SAR) of 1, 3, 5, and 8 a electrolyte concentrations (C) of 0, 2.5, 5, 10, 25, 50, and 100 mmolc L-1, were leached through machine-packed soil columns to evaluate the effects of clay dispersion and swelling on HC. Following the initial leachings, the soils were amend with surface applied gypsum and H2SO4, and leached with deionized water.	nd ng t at nd	Mace, J. E.	01/01/2001	Soil Science Society of America Journal 65, 2001, 199-204 http://waterquality.mo ntana.edu/docs/meth ane/cbm101, Accessed 6/30/06	Coal Bed Methane		No	EPA-HQ-OW-2004-0032-1456
10.37.1	03000	Publication Other Government	U.S. Geological Survey Monitoring of Powder River Basin Stream-Water Quantity and Quality - DCN 03000	Ranchers, water managers, and others ar concerned about the quality of coalbed methane (CBM) discharge waters and the effect they may have on stream-water quality in the Powder River Basin. During the production of CBM, water is pumped from wells, lowering hydrostatic pressure the coal beds and allowing the previously confined methane that is stored within the internal surfaces and voids of the coal to flow (DeBruin and others, 2000). Currently most water produced during CBM production in the Powder River Basin is discharged into constructed reservoirs or into surface drainages, where it may become part of the streamflow or infiltrate into the ground. Proposed uses of CBM- produced water include agriculture, domestic, industrial, and public-water sup	in /,	Clark, Melanie L., et al	01/01/2001	Water-Resources Investigations Report 01-4279, Montana State University, http://waterquality.mo ntana.edu/docs/meth	Coal Bed Methane		No	EPA-HQ-OW-2004-0032-1457

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10.37.1	03001	Publication Other Government	Environmental Regulatory Drivers for Coal Bed Methane Research and Development - DCN 03001	In 1999, the National Petroleum Council (NPC)* stated that the resource base for meeting growing natural gas demands in t United States is adequate. A significant ar increasing portion of natural gas productio (8% by 2015) is expected to come from co bed methane (CBM). The NPC cautions th for this to occur, certain factors, including compliance with environmental requirements, must be addressed. Numerous federal, state, and local prograr address a variety of environmental issues, including water quality and quantity, air quality, wildlife, noise, and visibility. This paper examines existing and potential environmental regulatory requirements that could affect the timely development and production of CBM resources in the United States. Such an examination can help technology developers and policy makers target areas for research and development (R&D), demonstration, and implementation to help facilitate cost-effective CBM development and production to meet the nation's natural gas demands. It can also help identify R&D areas that will give rule- making bodies the information they need t incorporate more science into the regulator development process.	the and pal hat ms at d t n	I	Elcock, Deborah, et al.		Montana State University, http://waterquality.mo ntana.edu/docs/meth ane/cbm101, Accessed 6/30/06	Coal Bed Methane		No	EPA-HQ-OW-2004-0032-1808
10.37.1	03002	Publication Other Government	Coalbed Methane - An Untapped Energy Resource and an Enviromental Concern - DCN 03002	The coalification process, whereby plant material is progressively converted to coal generates large quantities of methane-rich gas which are stored within the coal. The presence of this gas has been long- recognized due to explosions and outburst associated with underground coal mining. Only recently has coal been recognized as reservoir rock as well as a source rock, thu representing an enormous undeveloped "unconventional" energy resource. But production of coalbed methane is accompanied by significant environmental challenges, including prevention of unintended loss of methane to the atmosphere during underground mining, and disposal of large quantities of water, sometimes saline, that are unavoidably produced with the gas.	l, ts s a us	(	U.S. Geological Survey	01/17/1997	U.S. Geological Survey, Energy Resource Surveys Program USGS Fact Sheet FS-019-97d, http://waterquality.mo ntana.edu/docs/meth	Coal Bed Methane		No	EPA-HQ-OW-2004-0032-1811

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10.37.1	03003	Publication Other Government	Coal-Bed Gas Resources of the Rocky Mountain Region - DCN 03003	Production of natural gas associated with coal beds accounts for about 7 percent of the total natural gas produced annually in the United States. Several important U.S. coal-bed gas-producing areas are in the Rocky Mountain region, where extensive shallow coal beds have produced or have the potential to produce coal- bed gas. We summarize the technically recoverable coal bed gas resources of six geologic province in the Rocky Mountain region herein	9 31-	(	U.S. Geological Survey		U.S. Geological Survey, USGS Fact Sheet FS-158-02, http://waterquality.mo ntana.edu/docs/meth ane/cbm101, Accessed 6/30/06	Coal Bed Methane		No	EPA-HQ-OW-2004-0032-1870
10.37.1	03004	Other	Coal Bed Methane Ownership and Responsibility: A Summary of Surface, Mineral, and Split-Estate Rights - DCN 03004	Coal bed methane (CBM) development ha generated national attention, a myriad of published journals, and stacks of legal decisions ranging from local jurisdictions to U. S. Supreme Court holdings. Many of these documents have evolved from surfa and mineral right disputes.	0	•	Bauder, James, et al.		Montana State University, http://waterquality.mo ntana.edu/docs/meth ane/cbm101, Accessed 6/30/06	Coal Bed Methane		No	EPA-HQ-OW-2004-0032-1876
10.37.1	03005	Other	Quality and Characteristics of Saline and Sodic Water Affect Irrigation Suitability - DCN 03005	Sprinkler irrigation and land spreading are two alternatives proposed as a means of water spreading, dispersal and achieveme of "beneficial use" of saline and sodic wate Irrigation or land spreading of saline-sodic water as a utilization scheme or dispersal mechanism can be feasible. However, the requirements for management are likely to be well beyond either the achievable or strived for management in marginally productive areas or in areas where scientif irrigation water management and monitorin have not previously been used. The criterin needed to achieve sustainable soil quality and plant production using saline and sodi water are salt tolerant plant species, cropping strategies that maintain a year- round ground cover to minimize the advers impacts of rainfall, periodic application of nonsaline-sodic irrigation waters, routine monitoring of soil solution chemistry and irrigation water quality, and periodic application of chemical amendments to sa and sodium affected soils (Oster, 2001).	nt er. ng a c se	7	Bauder, Jim,		Montana State University, http://waterquality.mo ntana.edu/docs/meth ane/cbm101, Accessed 6/30/06	Coal Bed Methane		No	EPA-HQ-OW-2004-0032-1875

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10.37.1	03006	Other	Justification for Numeric Standards of Salinity and Sodicity of Water To Be Considered For Beneficial Use For Irrigation - DCN 03006	Currently there is considerable debate among industry proponents of coal bed methane development, regulatory agency personnel, political entities and representatives, landowner groups, and environmental protection entities regarding the value, appropriateness, and specificity numeric and narrative standards specific to salinity and sodicity of waters to be considered for either irrigation or dispersa through land spreading. As of the writing of this document, the state of Montana Department of Environmental Quality (MT DEQ), the Tribal Council of the Northern Cheyenne Tribe, the Tongue River Water Users Association, the T and Y Irrigation District, and the Buffalo RAmerican Petroleum Instituteds Irrigation District has proposed various versions of numeric standards for salinity and sodicity of surfar water resources with potential use for irrigation. In addition, the state of Wyomin Department of Environmental Quality (WY DEQ) is also contemplating numeric standards for these parameters.	of o l f - ve ce g	Bauder, James, Pearson, Krista		Montana State University, http://waterquality.mo ntana.edu/docs/meth ane/cbm101, Accessed 6/30/06	Coal Bed Methane		No	EPA-HQ-OW-2004-0032-1877
10.37.1	03007	Other	The Role of Plants in Bioremediation of Coal Bed Methane Product Water - DCN 03007	Coal bed methane (CBM) exploration and development has increased substantially over the past ten years, with the Powder River Basin in Wyoming and Montana emerging as one of the most active new locations for exploration. Today, almost 65 of total United States production of metha occurs in this area. Methane extraction co produces an excess of water, which can b saline-sodic. The water that is co-produce is spread onto the land or impounded in ephemeral draws. This water has the potential to elevate the saline-sodic conditions of the soil, causing decreases i land productivity.	% ne - e d	Bauder, James, Phelps, S. D.		Montana State University, http://waterquality.mo ntana.edu/docs/meth ane/cbm101, Accessed 6/30/06	Coal Bed Methane		No	EPA-HQ-OW-2004-0032-1878

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10.37.1	03008	Other	The Use of Coal Bed Methane Product Water to Enhance Wetland Function - DCN 03008	Wetlands have long been known as nature kidneys because of their ability to absorb large amounts of nutrients and filter some materials considered to be toxins and pollutants (Anonymous, 1998; Gopal, 1998) With the exception of peat bogs, natural wetlands are very productive systems that support high biodiversity and perform a variety of ecological functions (Gopal, 199 Constructed wetlands (CW) have been gaining acceptance as replacements of natural systems which have been lost or degraded and as treatment systems because of their ability to improve water quality (Cunningham et al., 1995; Gopal, 1999; Peterson and Teal, 1996; Tanner, 1996). The EPA and U.S. Army Corps of Engineers drafted section 404 of the Clean Water Act in order preserve and maintain natural and constructed wetlands.	9). : 9).	Bauder, James, et al.		Montana State University, http://waterquality.mo ntana.edu/docs/meth ane/cbm101, Accessed 6/30/06	Coal Bed Methane		No	EPA-HQ-OW-2004-0032-1879
10.37.1	03009	Other	Soil Behavior Upon Wetting with Saline-Sodic Water Part 1 - Background Information - DCN 03009	The purpose of this project was to determit the compatibility between coal bed methar (CBM) product water and potentially irrigable soils and the effects product water may have on soil physical properties wher applied to the irrigable soils of southeaster Montana. Soil samples representing four soil textures (fine sandy loam, silt loam, sil clay loam, silty clay) were collected from sites within the Powder River Basin in Montana. Soil sampling locations were selected on the basis of their representativeness of potential or actual irrigated acreage in the proposed development area of Montana. CBM and Powder River water was synthesized and applied to the soil samples. Changes in so chemical and physical properties have bee monitored throughout a variety of water application scenarios.	ne er rn lty bil	Bauder, James, et al.		Montana State University, http://waterquality.mo ntana.edu/docs/meth ane/cbm101, Accessed 6/30/06	Coal Bed Methane		No	EPA-HQ-OW-2004-0032-1880
10.37.1	03010	Other	Soil Behavior Upon Wetting with Saline-Sodic Water Part 2 - Chemical Responses - DCN 03010	Two different criteria are currently recognized in the scientific literature as indices of dispersion risk or potential for dispersion. These are the sodium adsorption ratio (SAR) with a reported threshold of 12, and the exchangeable sodium percentage (ESP) with a reported threshold of 15%.	8	Bauder, James, et al.		Montana State University, http://waterquality.mo ntana.edu/docs/meth ane/cbm101, Accessed 6/30/06	Coal Bed Methane		No	EPA-HQ-OW-2004-0032-1881

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10.37.1	03011	Other	The Role of Plants in the Phytoremediation of Discharge Water Associated With Extraction of Coal Bed Methane - DCN 03011	Coal bed methane (CBM) exploration and development has increased substantially over the past ten years. The Powder River Basin in Wyoming and Montana has emerged as one of the most active new locations for exploration. Today, almost 6% of the total United States production occur in this area.	r %	Bauder, James, et al.		Montana State University, http://waterquality.mo ntana.edu/docs/meth ane/cbm101, Accessed 6/30/06	Coal Bed Methane		No	EPA-HQ-OW-2004-0032-1882
10.37.1	03012	Publication Copyrighted Material	Chemical Changes in Coal Bed Methane Product Water Over Time - DCN 03012	It is widely known that coal bed methane (CBM) development in the Powder River Basin of Wyoming and Montana produces considerable amounts of discharge water. The majority of this product water is discharged into surface channels and evaporation reservoirs. The chemical properties of CBM product water at or nea the point of discharge are rigorously monitored and generally well known. However, as product water mixes with surface water and achieves equilibrium wi the atmosphere, product water chemistry changes. Principle chemical properties of interest that potentially experience change are electrical conductivity (EC), pH, and sodium adsorption ratio (SAR). Changes in water chemistry are of concern for many downstream water users, namely those considering the suitability of product water or blended water for irrigation purposes.	ır th Ə	Bauder, James, et al.	09/13/2002	Montana State University, http://waterquality.mo ntana.edu/docs/meth ane/cbm101, Accessed 6/30/06	Coal Bed Methane		No	EPA-HQ-OW-2004-0032-1458
10.37.1	03013	Publication Copyrighted Material	Screening for Salt Tolerant Forage Species - DCN 03013	The purpose of this experiment was to determine the survivability and early plant biomass production of sixteen forage species irrigated with water qualities chose to represent surface water supplies that could result from coal bed methane (CBM) development. The water qualities represented water comparable to Powder River water during the irrigation season, CBM product water in Montana and the Gillette area in Wyoming, and saline-sodic water of coal aquifers in the Tongue River watershed. The objective of this screening was to define a short list of species to be used in a long-term experiment to assess biomass production potential utilizing CBM surface water mixes.	en ) ;	Levy, Allison, Bauder, James	01/01/2002	Montana State University, http://waterquality.mo ntana.edu/docs/meth ane/cbm101, Accessed 6/30/06	Coal Bed Methane		No	EPA-HQ-OW-2004-0032-1459

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10.37.1	03014	Other	Plant and Soil Response to Irrigation with Water Comparable to CBM Product Water from the Powder River Basin - DCN 03014	Interest in coalbed methane (CBM) extraction in Montana and current development of the industry in Wyoming ha resulted in significant focus on the issue of soil x plant community x irrigation water quality interactions/compatibility. Coalbed methan e extraction is typically accompanied by the necessity to dispose of significant volumes of water. Currently proposed approaches to disposal of CBM product water include impoundment, discharge into and blending with existing surface waters or ephemeral stream channels, land spreading, and various configurations of irrigation. Although the chemical characteristics of CBM product water vary significantly from discharge point to discharge point, it is generally agreed th the two principal water quality parameters significance with respect to disposal of CB product water in association with soil material are salinity and sodicity.	f of nt at of	Bauder, James, et al.		Montana State University, http://waterquality.mo ntana.edu/docs/meth ane/cbm101, Accessed 6/30/06	Coal Bed Methane		No	EPA-HQ-OW-2004-0032-1969
10.37.1	03015	Other	Assessing Constructed Wetlands for Beneficial Use of Saline-Sodic Water - DCN 03015	Changes in agricultural practices, and irrigation strategies combined with natural processes, have led to increased salinization of soil and water resources worldwide. Coal bed methane (CBM) development in the Powder River Basin of Montana and Wyoming results in the co- production of large volumes of sodic and moderately saline discharge water, and represents a potential source of salinization of soil and water resources.		Kirkpatrick, Amber	01/01/2004	Montana State University, http://waterquality.mo ntana.edu/docs/meth ane/cbm101, Accessed 6/30/06	Coal Bed Methane		No	EPA-HQ-OW-2004-0032-1883
10.37.1	03016	Other	Categorization of selected native species suitability for constructed wetlands - a comprehensive review - DCN 03016	Selected Plant Species Characteristics and Suitability for Use in Constructed Wetlands (2004)		Bauder, James, et al.		Montana State University, http://waterquality.mo ntana.edu/docs/meth ane/cbm101, Accessed 6/30/06	Coal Bed Methane		No	EPA-HQ-OW-2004-0032-1884

EPA Docket Section	DCN	Document Sub Type	TITLE	ABSTRACT	Page Count	Author	Author Date	Source Citation	Category Industry	Copyright Protected	CBI	Document ID:
10.37.1	03017	Other	Utilization of Coal Bed Methane Waste Water to Enhance Biomass Production and Carbon Sequestration in Moisture Deficient Arid and Semi-Arid Regions of Montana and Wyoming - DCN 03017	Due to the increase in CO2 emissions over the past 60-70 years, there has been a growing concern over documented increases in atmospheric carbon. The speculated effects of this increase include an imbalance of surface/atmospheric C concentrations and global warming due to the "greenhouse effect" elevated levels of atmospheric CO2 have on irradiated solar heat. One means of alleviating or mitigatin these effects is through carbon sequestration (CS). This process takes C out of the atmosphere and stores, or sequesters it, in certain bodies, including oceans, geologic formations, and terrestrially in soils. This proposal will focu on the potential of terrestrial sequestration soils.	g	Roffe, Suzanna		Montana State University, http://waterquality.mo ntana.edu/docs/meth ane/cbm101, Accessed 6/30/06	Coal Bed Methane		No	EPA-HQ-OW-2004-0032-1885
10.37.1	03018	Other	From Prehistory to the Pipeline The Fingerprint of Coal Bed Methane - DCN 03018	Over several millions of years, heat and pressure transform decomposed prehistori forests and swamps into coal beds. The rank of coal is determined by the depth of burial over time.	1 c	Roffe,Suzann a, Bauder, James		Montana State University, http://waterquality.mo ntana.edu/docs/meth ane/cbm101, Accessed 6/30/06	Coal Bed Methane		No	EPA-HQ-OW-2004-0032-1886
10.37.1	03019	Other	Applied Science for the Management and Beneficial Use of Saline-Sodic Water - DCN 03019	Due to increasing interest in coal bed methane exploration and development throughout the Rocky Mountain region, the management and beneficial use of saline- sodic water has become an emerging wate quality issue. Considerable amounts of moderately saline-sodic water are coproduced during coal bed methane extraction. Recent coal bed methane development in the Powder River Basin of Montana and Wyoming has prompted researchers at Montana State University- Bozeman to investigate new ways to manage large amounts of saline-sodic water	er	Bauder, James, Pearson, Krista		Montana State University, http://waterquality.mo ntana.edu/docs/meth ane/cbm101, Accessed 6/30/06	Coal Bed Methane		No	EPA-HQ-OW-2004-0032-1887

EPA Docket Section	DCN	Document Sub Type	TITLE	ABSTRACT	Page Count	Author	Author Date	Source Citation	Category Industry	Copyright Protected	CBI	Document ID:
10.37.1	03020	Other	Geochemical Constraints on Selection of CBM Product Water Management Strategies - DCN 03020	CBM product water from Montana and Wyoming plays is chemically unstable and may exhibit profound changes in composition after withdrawal from the aquifer. Spontaneous changes in CBM product water composition are likely to impair its suitability for beneficial use on the landscape. Understanding the fundamenta chemical behavior of CBM product water is key to designing and implementing successful water management strategies any desired scale. Laboratory investigatio confirm results of geochemical modeling that show equilibrium sodium adsorption ratio (SAR) is controlled by concentration bicarbonate that suppresses solubility of C and Mg. Liquid/gas mass transfer of carbon dioxide controls rate of approach to chemical equilibrium.	ne al s at ns of Ca	Drake, Ron		Montana State University, http://waterquality.mo ntana.edu/docs/meth ane/cbm101, Accessed 6/30/06	Coal Bed Methane		No	EPA-HQ-OW-2004-0032-1888
10.37.1	03021	Other	Selected Plant Species Tolerance for Irrigation with Saline-sodic Water - DCN 03021	Coal bed methane extraction produces a l product wastewater, a usable water source This could be useful in areas where water availability is low. The objective of this project is to determine survivability and pla- biomass of forage species irrigated with saline waters. Screening for salt tolerant forage species would allow more extensiv- use of saline water supplies. A germination screening was conducted to determine survivability and early plant biomass of sixteen different forage species. These species were irrigated with water qualities that were chosen to represent conditions of water surface supplies that could result fro- coal bed methane development (saline- sodic water). A short list was determined based on survivability and biomass. Selected plant species were placed in a fi scale demo. These forage species are floo irrigated with saline water supplies. With the selected forage species from this project and methods which coal bed methane water can be used in conjunction with management practices, the impact of coal bed methane (CBM) water can be minimized. This could result in an enhance growing condition for forage production.	e. ant e n of om eld od he ter	Levy, Allison		Montana State University, http://waterquality.mo ntana.edu/docs/meth ane/cbm101, Accessed 6/30/06	Coal Bed Methane		No	EPA-HQ-OW-2004-0032-1889

EPA Docket Section	DCN	Document Sub Type	TITLE	ABSTRACT	Page Count	Author	Author Date	Source Citation	Category Industry	Copyright Protected	CBI	Document ID:
10.37.1	03022	Speech	Salinity and Sodicity Management - DCN 03022	Water or soil with salinity and/or sodicity levels sufficiently elevated to have the potential to have adverse effect on long- termsustainability of either the soil or plant resource.	39 t	Bauder, Jim		Montana State University, http://waterquality.mo ntana.edu/docs/meth ane/cbm101, Accessed 6/30/06	Coal Bed Methane		No	EPA-HQ-OW-2004-0032-1890
10.37.1	03023	Speech	Diagnosing Salinity Problems - DCN 03023	Study Presented at Colorado State University, Causal Factors, Terminology, Generalized Classification of Salt-Affected Soils, and Lab parameters for diagnosing salinity/sodicity problems.		Waskom, Regan		Montana State University, http://waterquality.mo ntana.edu/docs/meth ane/cbm101, Accessed 6/30/06	Coal Bed Methane		No	EPA-HQ-OW-2004-0032-1891
10.37.1	03024	Speech	Matching the soil, water, and crop system in saline and sodic conditions - DCN 03024	Soils may not become excessively saline from use of saline waterin a single irrigatio season. Leaching may not be necessary until soil salinity reaches levels hazardous crops. The hazard of irrigation water sodiu on soil infiltration and hydraulic conductivit must be determined from the SAR/EC interaction. Periodically sample and test th irrigation water and the soil. Surface water tends to become more saline as stream flo declines. Choosing the Appropriate crop is based on salt tolerance of the crop and irrigation water salinity.	s to um ty ne r ow	Keith, Kristin		Montana State University, http://waterquality.mo ntana.edu/docs/meth ane/cbm101, Accessed 6/30/06	Coal Bed Methane		No	EPA-HQ-OW-2004-0032-1892
10.37.1	03025	Speech	Salinity and Sodicity Problems - DCN 03025		44			Montana State University, http://waterquality.mo ntana.edu/docs/meth ane/cbm101, Accessed 6/30/06	Coal Bed Methane		No	EPA-HQ-OW-2004-0032-2320
10.37.1	03026	Speech	Screening for Salt Tolerant Forage Species - DCN 03026		36	Bauder, James, Levy, Allison		Montana State University, http://waterquality.mo ntana.edu/docs/meth ane/cbm101, Accessed 6/30/06	Coal Bed Methane		No	EPA-HQ-OW-2004-0032-1893

EPA Docket Section	DCN	Document Sub Type	TITLE	ABSTRACT	Page Count	Author	Author Date	Source Citation	Category Industry	Copyright Protected	CBI	Document ID:
10.37.1	03027	Speech	Extraction of CBM - DCN 03027	Coal Bed Methane - Background Information (2003)	48			Montana State University, http://waterquality.mo ntana.edu/docs/meth ane/cbm101, Accessed 6/30/06	Coal Bed Methane		No	EPA-HQ-OW-2004-0032-1974
10.37.1	03028	Other	Coordinated Natural Resource Monitoring and Training Program for Landowners with Land Parcels in Areas of Coal Bed Methane Development - DCN 03028		1	Bauder, Jim, Keith, Kristin		Montana State University, http://waterquality.mo ntana.edu/docs/meth ane/cbm101, Accessed 6/30/06	Coal Bed Methane		No	EPA-HQ-OW-2004-0032-1894
10.37.1	03029	Speech	Effects of Saline-Sodic Water on Soil Chemical and Physical Properties - DCN 03029	Assess the effects of modestly saline-sodio water on soil chemical and physical properties of selected soil materials.	c 43	Hershberger, Kim		Montana State University, http://waterquality.mo ntana.edu/docs/meth ane/cbm101, Accessed 6/30/06	Coal Bed Methane		No	EPA-HQ-OW-2004-0032-1895
10.37.1	03030	Speech	A Comparison of Seasonal Evapotranspiration (ET) of Three Wetland Plant Communities Commonly Found in Conjunction With Coal Bed Methane Product Water - DCN 03030		18	Kirkpatrick, Amber		Montana State University, http://waterquality.mo ntana.edu/docs/meth ane/cbm101, Accessed 6/30/06	Coal Bed Methane		No	EPA-HQ-OW-2004-0032-1896
10.37.1	03031	Speech	Dynamics of Product Water Chemistry & Defining Native Wetland Species Salt Tolerance and Water Use Rates - DCN 03031	A Study to define the maximum salt tolerance of each species. To determine water use rates relative to open water evaporation. To determine how wetland design may optimize plant health water tab height. To determine the extent of salt accumulation in plant tissue, ion selectivity To determine if stratification does occur an to what extent.	?	Sessoms, Holly		Montana State University, http://waterquality.mo ntana.edu/docs/meth ane/cbm101, Accessed 6/30/06	Coal Bed Methane		No	EPA-HQ-OW-2004-0032-1897

EPA Docket Section	DCN	Document Sub Type	TITLE	ABSTRACT	Page Count	Author	Author Date	Source Citation	Category Industry	Copyright Protected	CBI	Document ID:
10.37.1	03032	Publication Other Government	Coal Bed Methane Development - An Emerging Water Quality Issue - DCN 03032	The Northern Plains and Mountains Regional Water Quality Program has coordinated extensive research focusing of the management and beneficial use of CB product water. The six states in the region have coordinated efforts to share resource conduct objective science, agency, and student education, and provide public assistance and education about CBM development and management of CBM product water.	on BM 1	NP&M Regional Water Quality Program		Montana State University, http://waterquality.mo ntana.edu/docs/meth ane/cbm101, Accessed 6/30/06	Coal Bed Methane		No	EPA-HQ-OW-2004-0032-1898
10.37.1	03038	Publication Copyrighted Material	An Evaluation of the Department of Energy Naval Petroleum Reserve No. 3 Produced Water Bio-Treatment Facility (SPE 66522) - DCN 03038	The Department of Energy (DOE) Naval Petroleum Reserve No. 3 (NPR-3) product water bio-treatment facility effectively treat an average of 35,000 barrels of water per day. All discharge limits are met. The functional component parts of the bio- treatment facility consist of cooling, blending, oil/water separation and biologic treatment. The bio-treatment facility replaced subsurface injection saving \$175,000 per year on utilities (\$3.5MM over the 20-year life expectancy).	cal	Myers, James E., et al.	02/01/2001	SPE/EPA/DOE Exploration and Production Environmental Conference, San Antonio, Texas, February 2001.	Coal Bed Methane		No	EPA-HQ-OW-2004-0032-1460
10.37.1	03048	Publication Other Government	Water Quality Management Plan & TMDLS for the Teton River - DCN 03048	This document presents a water quality management plan (WQMP) and associate total daily maximum loads (TMDLs) for the Teton River watershed. The Teton River flows into the Marias River near Loma, in west central Montana and then into the Missouri River. Thirteen stream segment/water bodies in the Teton River watershed were listed with threatened or impaired beneficial use support on Montana's 1996 303(d) List while nine stream segment/water bodies have impair status on the 2002 303(d) List (Table E-1). Five stream segment/water bodies have been determined as fully supporting all beneficial uses in 2002. All water bodies i the Teton River watershed are classified a B1, B2, or B3; therefore, they are to be maintained suitable for household use, aquatic life, cold or warm water fishery, agriculture, industry, and contact recreatio beneficial uses per the Administrative Rule of Montana (17.30.620 – 629 ARM).	ed e red ). in as	Montana DEQ	09/01/2003	http://www.deq.state. mt.us/wqinfo/TMDL/fi nalReports.asp (accessed on 6/29/06)			No	EPA-HQ-OW-2004-0032-1899

EPA Docket Section	DCN	Document Sub Type	TITLE	ABSTRACT	Page Count	Author	Author Date	Source Citation	Category Industry	Copyright Protected	CBI	Document ID:
10.37.1	03063	Publication Copyrighted Material	Statistical models to predict the toxicity of major ions to Ceriodaphnia dubia, Daphnia magna and Pimephales promelas (fathead minnows) - DCN 03063	Toxicity of fresh waters with high total dissolved solids has been shown to be dependent on the specific ionic compositio of the water. To provide a predictive tool to assess toxicity attributable to major ions, we tested the toxicity of over 2,900 ion solution using the daphnids, Ceriodaphnia dubia ar Daphnia magna, and fathead minnows (Pimephales promelas). Multiple logistic regression was used to relate ion composition to survival for each of the thre test species. In general, relative ion toxicity was K1 . Ø Mg21 . Cl2 .; Na1 and Ca21 were not significant variables in the regressions, suggesting that the toxicity 2 2 HCO SO 3 4 of Na1 and Ca21 salts was primarily attributable to the corresponding anion. For C. dubia and D. magna, toxicity of Cl2, , 22 SO4 and K1 was reduced in solutions enriched with more than one cation. Final regression models showed a good quality of fit to the data (R2 5 0.767–0.861). Preliminary applications of these models to field-collected samples indicated a high degree of accuracy for the C. dubia model, while the D. magna and fathead minnow models tended to overpredict ion toxicity.	re ns nd 22	Mount, D.R., et al.	01/01/1997	Environmental Toxicology and Chemistry 16, no. 10 (1997): 2009-2019, http://www.deq.state. mt.us/CoalBedMetha ne/Criteria-sar-EC-	Coal Bed Methane		No	EPA-HQ-OW-2004-0032-1461

EPA Docket Section	DCN	Document Sub Type	TITLE	ABSTRACT	Page Count	Author	Author Date	Source Citation	Category Industry	Copyright Protected	CBI	Document ID:
10.37.1	03064	Publication Other Government	Diagnosis and Improvement of Saline and Alkali Soils - DCN 03064	Saline and alkali soil conditions reduce the value and productivity of considerable area of land in the UnitedStates. The problem is an old one, and there is much information on this subject in the technical literature. It the purpose of this handbook to bring together and summarize information that w be useful, particularlyto professional agricultural workers, for the diagnosis and improvement of saline and alkali soils. The nomenclature for these problem soils is still in a formative stage. This is illustrated by th diversity of usage of such prominent investigators as Gedroiz (1917), Hilgard (1906)) Hissink (1933)) Kelley (1948,1951)) and De Sigmond (1938).Ultimate agreement on nomenclature will depend on the role of exchangeable potassium. The facts now available on this subject are meager, but they suggest that the undesirable physical properties that are characteristic of alkali soils are caused by excessive exchangeable sodium. Other elements of the alkali metal group either do not occur in significant quantities or do not appear to have similar action insoils.	s ill he )	U.S. Salinity Laboratory, USDA	02/01/1954	U.S. Salinity Laboratory, Agriculture Handbook No. 60, http://www.ars.usda. gov/Services/docs.ht m?docid=10158	Coal Bed Methane		No	EPA-HQ-OW-2004-0032-1900
10.37.1	03066	Other	Frequently Asked Questions: Saline and/or Sodic Water and Soils - DCN 03066	Information on Saline and/or Sodic Water and Sodic Soils and Crop Production.	14	Montana State University, Bozeman	06/29/2006	http://waterquality.mo ntana.edu/docs/meth ane/saline- sodic_faq.shtml			No	EPA-HQ-OW-2004-0032-1901

EPA Docket Section	DCN	Document Sub Type	TITLE	ABSTRACT	Page Count	Author	Author Date	Source Citation	Category Industry	Copyright Protected	CBI	Document ID:
10.37.1	03067	Other	The Basics of Salinity and Sodicity Effects on Soil Physical Properties - DCN 03067	Saline irrigation water contains dissolved substances known as salts. In much of the arid and semi-arid United States (including Montana), most of the salts present in irrigation water are chlorides, sulfates, carbonates, and bicarbonates of calcium magnesium, sodium, and potassium. While salinity can improve soil structure, it can also negatively affect plant growth and crop yields. Sodicity refers specifically to the amount of sodium present in irrigation water Irrigating with water that has excess amounts of sodium can adversely impact soil structure, making plant growth difficult. Highly saline and sodic water qualities can cause problems for irrigation, depending on the type and amount of salts present, the soil type being irrigated, the specific plant species and growth stage, and the amount of water able to pass through the root zone	er.	Montana State University, Bozeman	01/01/2003	http://waterquality.mo ntana.edu/docs/meth ane/basics_highlight. shtml			No	EPA-HQ-OW-2004-0032-1902
10.37.1	03068	Publication Copyrighted Material	Fundamentals of Aquatic Toxicology Methods and Applications - DCN 03068	Early life stage toxicity tests	39	McKim, J. M.	01/01/1985	Fundamentals of Aquatic Toxicology, (1985): 58-95, G.R. Rand and S.R. Petrocelli, eds., Hemisphere Publishing Corp.	Coal Bed Methane	V	No	EPA-HQ-OW-2004-0032-1514
10.37.1	03069	Report	Coalbed Methane Gas Development in Montana - Some Biological Issues - DCN 03069	A booming coal-bed methane (CBM) gas industry may soon have far-reaching, shortand long-term impacts on Montana land and waters, with potentially serious affects on irrigation, cropland, soils, sport fisheries and regional ecosystems. Inspired by potentially high profits and economic expansion, the industry in Wyoming has been upgrading and expanding its pipeline system; and Wyoming has relaxed its wate quality standards to facilitate development.	r	Regele, Steve, Stark, Judd	09/01/2000	Interactive Forum on Surface Mining Reclamation Approaches to Bond Release: Cumulative Hydrologic Impacts	Coal Bed Methane		No	EPA-HQ-OW-2004-0032-1903
10.37.1	03070	Other	Coalbed methane in Wyoming (2nd. Revision) DCN 03070		2	De Bruin, R.H., et al.	01/01/2004	Wyoming State Geological Survey, Information Pamphlet 7 (Revised), http://www.wsgs.uwy o.edu/djvu/default.as	Coal Bed Methane		No	EPA-HQ-OW-2004-0032-1904

EPA Docket Section	DCN	Document Sub Type	TITLE	ABSTRACT	Page Count	Author	Author Date	Source Citation	Category Industry	Copyright Protected	CBI	Document ID:
10.37.1	03071	Publication Copyrighted Material	Major Ion Toxicity of Six Produced Waters to Three Freshwater Species: Application of ION Toxicity Models and tie Procedures - DCN 03071	Previous research to characterize the acu toxicity of major ions to freshwater organisms resulted in the development of statistical toxicity models for three freshwater species (Ceriodaphnia dubia, Pimephales promelas, and Daphnia magna). These ion toxicity models estimat the toxicity of seven major ions utilizing logistic regression. In this study, the ion toxicity models were used in conjunction with Phase I toxicity identification evaluatie (TIE) procedures to evaluate the contribution of major ion toxicity to the tota toxicity of six produced water samples ranging in total salinity from 1.7 to 58.1 g/I Initial toxicities of all six samples were compared to the model predictions. Four produced waters were found to have toxic consistent with toxicity attributable to major ion concentrations only. Two produced waters were found to exhibit more toxicity than expected from ion concentrations alone. These samples were subjected to Phase I TIE procedures. Toxicities were reduced by specific Phase I TIE manipulations to those predicted by the io toxicity models. Mock effluents were used verify the results. The combination of the i toxicity models with Phase I TIE procedures uccessfully quantified the toxicity due to major ions in six produced water sample.	te on al  ity yr	Mount, David, et al.	01/01/1997	Environmental Toxicology and Chemistry, 16, no.10 (1997): 2002 - 2008	Coal Bed Methane		No	EPA-HQ-OW-2004-0032-1542
10.37.1	03072	Publication Copyrighted Material	Discharge of coalbed produced water to surface waters assessing, predicting, and preventing ecological effects - DCN 03072		8	Mount, David R., et al.	01/01/1993	Quarterly Review of Methane from Coal Seams Technology 11, no. 2 (1993):18- 25	Coal Bed Methane		No	EPA-HQ-OW-2004-0032-1544
10.37.1	03135	Publication Copyrighted Material	Use of Laboratory Toxicity Data for Evaluating the Environmental Acceptability of Produced Water Discharge to Surface Waters - DCN 03135		12	Mount, David R., et al.	01/01/1992	Produced Water, Edited by JP Ray & Engelhart, Plenum Press	Coal Bed Methane		No	EPA-HQ-OW-2004-0032-2776

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10.37.1	03136	Publication Copyrighted Material	Salinity/Toxicity Relationships to Predict the Acute Toxicity of Produced Waters to Freshwater Organisms (SPE 26007) - DCN 03136		10	Mount, David R., Evans, J. M.	03/01/1993	SPE/EPA Exploration & Production Environmental Conference, San Antonio, TX	Coal Bed Methane		No	EPA-HQ-OW-2004-0032-1905
10.37.1	03148	Publication Other Government	Final Statewide Oil and Gas EIS and Proposed Amendment of the Powder River and Billings RMPs - DCN 03148	Volume II	914	U.S. DOI & state of Montana	01/01/2003	http://www.deq.state. mt.us/CoalBedMetha ne/finaleis.asp	Coal Bed Methane		No	EPA-HQ-OW-2004-0032-1980.9
10.37.1	03149	Letter, Memorandum, Email	Memorandum to Public Record for 2006 Effluent Guidelines Program Plan:Final Statewide Oil and Gas EIS and Proposed Amendment of the Powder River and Billings RMPs - DCN 03149	Final Statewide Oil and Gas EIS and Proposed Amendment of the Powder Rive and Billings RMPs	1 er	Johnston, Carey A., US EPA	07/18/2006		Coal Bed Methane		No	EPA-HQ-OW-2004-0032-1906
10.37.1	03153	Publication Copyrighted Material	Preliminary Analysis of Habitat Loss for Target Biota in Rivers Impacted by Long-Term Flow Increases from CBM Production - DCN 03153		21	Gore, James A.	01/01/2002	The Ninth International Petroleum Environmental Conference, Albuquerque, NM. http://www.stpt.usf.e	Coal Bed Methane		No	EPA-HQ-OW-2004-0032-1549
10.37.1	03156	Other	E. Brown, Jr. Salinity Laboratory Research Accomplishments - DCN 03156		6	Brown, George E.	10/21/2005	http://www.ars.usda. gov/Research/docs.h tm?docid=10492#crit eria			No	EPA-HQ-OW-2004-0032-1550
10.37.1	03159	Publication Copyrighted Material	The relationship of total dissolved solids measurements to bulk electrical conductivity in an aquifer contaminated with hydrocarbon - DCN 03159		14	Atekwana, Eliot A, et al.	01/01/2004	Journal of Applied Geophysics 56 (2004): 281- 294	Coal Bed Methane		No	EPA-HQ-OW-2004-0032-1556

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10.37.1	03204	Report	Final Site Visit Report: Coalbed Methane Landowners and Environmental Impacts Gillette, WY - DCN 03204	EPA and contractor personnel conducted site visits to landowners that have CBM wells on their property and to other landowners that have been negatively impacted by CBM operations as part of thi data-gathering effort. The purpose of the visit was to gather information on the environmental impacts of coalbed methan operations in the Powder River Basin.		ERG	09/29/2006		Coal Bed Methane		No	EPA-HQ-OW-2004-0032-1907
10.37.1	03205	Report	Final Site Visit Report: Coalbed Methane Operations - Gillette, WY - DCN 03205	EPA and contractor personnel conducted site visits to coalbed methane operations i and around Gillette, Wyoming on August 6 and 7, 2001 as part of this data-gathering effort. The purpose of the visit was to gath information on coalbed methane operation in the Powder River Basin and specifically on techniques for managing the produced water. The coalbed methane operators selected these sites for visiting.	er s	ERG	09/29/2006		Coal Bed Methane		No	EPA-HQ-OW-2004-0032-1908
10.37.1	03208	Publication Other Government	Structure, General Characteristics, and Salinity Relationships of Benthic Macroinvertebrate Associations in Streams Draining the Southern Fort Union Coalfield Region of Southeastern Montana - DCN 03208		148	Klarich, D.A., Regele, S. M.		Montana DHES, Water Quality Bureau, Billings Regional Office, Environmental Sciences Division. USGS grant number	Coal Bed Methane		No	EPA-HQ-OW-2004-0032-1909
10.37.1	03259	Other	Southern Ute Tribe Win Big One on Coalbed Methane Ownership - DCN 03259		2	Alabama Coalbed Methane Monthly	08/01/1998	Alabama Coalbed Methane Monthly - August 1998.	Coal Bed Methane		No	EPA-HQ-OW-2004-0032-2327

EPA Docket Section	DCN	Document Sub Type	TITLE	ABSTRACT	Page Count	Author	Author Date	Source Citation	Category Industry	Copyright Protected	CBI	Document ID:
10.37.1	03260	Publication Other Government	U.S. Natural Gas Markets: Relationship Between Henry Hub Spot Prices and U.S. Wellhead Prices - DCN 03260	The relationship between Henry Hub spot prices for natural gas and the U.S. wellhea price is examined for the period spanning August 1996 through December 2000. Thi analysis determines the extent to which the two price series are linearly correlated and also evaluates the statistical properties of two simple price relationships—the actual difference and the percent difference. The results of the analysis indicate that there is strong linear relationship between the two price series. The analysis also indicates that, on average, Henry Hub spot prices were 32 cents per thousand cubic feet (10 percent) higher than wellhead prices. The median value of the actual difference is 24 cents per thousand cubic feet, and the median value of the percent difference is 10.4 percent.	ad e d s a	Budzik, Philip, DOE	08/23/2003	Budzik, P. 2002. http://www.eia.doe.g ov/oiaf/analysispaper /henryhub/index.html	Coal Bed Methane		No	EPA-HQ-OW-2004-0032-2328
10.37.1	03261	Publication Other Government	Concentrations of barium in the surface water in northeastern Wyoming related to discharges of coalbed methane produced water DCN 03261		23	Wyoming, DEQ	12/01/2000	Wyoming Department of Environmental Quality - Water Quality Division. December 1, 2000	Coal Bed Methane		No	EPA-HQ-OW-2004-0032-2329
10.37.1	03262	Other	Fact Sheet: Colorado Portion of the Raton Basin - DCN 03262		6	East of Huajatolla Citizens Alliance	06/04/2002	http://www.ehcitizens .org/cbmgas/rb_facts /RB_Fact_Sheet_20 0206.pdf			No	EPA-HQ-OW-2004-0032-2330
10.37.1	03272	Letter, Memorandum, Email	Incorporation by Reference: Environmental Soil Physics by Daniel Hillel, Academic Press, 1998 [ISBN: 0-12-348525-8] - DCN 03272		1	Johnston, Carey A., US EPA	07/25/2006		Coal Bed Methane		No	EPA-HQ-OW-2004-0032-2771
10.37.1	03273	Letter, Memorandum, Email	Incorporation by Reference: Soil Physics (4th Edition) by L.D. Baver et al., John Wiley & Sons, 1972 [ISBN: 0-471-05974-9] - DCN 03273	3	1	Johnston, Carey A., US EPA	07/25/2006		Coal Bed Methane		No	EPA-HQ-OW-2004-0032-2772

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10.37.1	03274	Letter, Memorandum, Email	Incorporation by Reference: Soil Physics (6th Edition) by William Jury and Robert Horton, John Wiley & Sons, 2004 [ISBN:0-471-05965- X] - DCN 03274		1	Johnston, Carey A., US EPA	07/25/2006		Coal Bed Methane		No	EPA-HQ-OW-2004-0032-2773
10.37.1	03297	Letter, Memorandum, Email	Incorporation by Reference: Water Chemistry by Vernon L. Snoeyink and David Jenkins, John Wiley & Sons, 1980 [ISBN: 0-471-05196-9] - DCN 03297		1	Johnston, Carey A., US EPA	07/25/2006		Coal Bed Methane		No	EPA-HQ-OW-2004-0032-2775
10.37.1	03343	Publication Copyrighted Material	Dow Signs Exclusive Licensing Agreement To Commercialize ZDD Desalination Process Technology - DCN 03343	The Dow Chemical Company announced that it has signed a licensing option and evaluation agreement with South Carolina based ZDD, Incorporated, giving Dow exclusive rights to elect an exclusive licen to ZDD, Incorporated's Zero Discharge Desalination(ZDD) process technology for desalination of seawater and brackish wat	se	Dow Chemical Company	08/02/2006	http://www.wateronlin e.com/content/news/ article.asp?docid=cd 8ef242-1a45-45d9- 9999-3a3add505698			No	EPA-HQ-OW-2004-0032-2420
10.37.1	03348	Report	Assessment of Contaminants Associated with Coal Bed Methane-Produced Water and Its Suitability for Wetland Creation or Enhancement Projects - DCN 03348		50	U.S. DOI	11/01/2005	U.S. FISH & WILDLIFE SERVICE REGION 6, Contaminant Report Number: R6/721C/05	Coal Bed Methane		No	EPA-HQ-OW-2004-0032-2422
10.37.1	03361	Publication Copyrighted Material	A Rehabilitation of Australian Streams, Vol. 2 - DCN 03361	Manual to help professional managers wh are attempting to return some of the biological and physical values of Australia streams.		Rutherfurd, Ian D. University of Melbourne	03/01/2000	http://agrolink.moa.m y/did/river/english/Ma nVol2.pdf			No	EPA-HQ-OW-2004-0032-2424
10.37.1	03421	Publication Copyrighted Material	Researchers hope 'bugs' can speed up coalbed production - DCN 03421	Research on encouraging microscopic bacteria to breakdown organic materials to form CBM.	3	Billings Gazette	08/21/2006	http://www.billingsga zette.net/articles/200 6/08/21/news/wyomi ng/25-coal_z.txt (accessed 8/21/2006)	Coal Bed Methane		No	EPA-HQ-OW-2004-0032-2437

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10.37.1	03424	Other	Research Briefs: Environmental Effects of Saline Oil-field Discharges on Surface (RB93- 104) - DCN 03424		6	Boelter, Ann, Wyoming Water Resources Ctr	01/01/1993	http://library.wrds.uw yo.edu/RB/RB93- 104.html	Coal Bed Methane		No	EPA-HQ-OW-2004-0032-2444
10.37.1	03425	Publication Copyrighted Material	Composition and Origins of Coalbed gas - DCN 03425		26	Rice, D.D.	01/01/1993	Hydrocarbons from coals:American Association of Petroleum Geologists, AAPG Studies in Geology 38, 159-184,	Coal Bed Methane		No	EPA-HQ-OW-2004-0032-2448
10.37.1	03444	Economic Analysis		As with any resource assessment, technic and economic results are the product of th assumptions and methodology used. In th study, key assumptions as well as cost an price data and economic methodologies employed are provided in attached Appendices. Many quantities shown in various tables have been subject to rounding; therefore, aggregation of basic and intermediate quantities may differ from the values shown.	ne iis iid	Advanced Resources International, Inc.	01/01/2006		Coal Bed Methane		No	EPA-HQ-OW-2004-0032-2451
10.37.1	03447	Publication Other Government	For Rural Alaska - DCN 03447	In 1996 the State of Alaska established a new energy program and directed the Division of Geological & Geophysical Surveys (DGGS) to evaluate the potential for coalbed methane (CBM) to meet the energy needs of roadless rural communities that currently depend on fuel oil for heatin- and electrical power generation. The cost electricity for rural customers is generally three to five times higher than for urban customers in Anchorage, Fairbanks and Juneau. Electrical power is partially subsidized by the State in rural Alaska through the Power Cost Equalization (PCE program at approximately \$15.7 million in the year 2000.	es g of E)	Clough, J. G.	06/01/2001	Alaska GeoSurvey News, Vol. 5 no.2, (2001) http://wwwdggs.dnr.s tate.ak.us	Coal Bed Methane		No	EPA-HQ-OW-2004-0032-2461

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10.37.1	03449	Other	Arapaho Business Council - DCN 03449		1	Montana- Wyoming Tribal Leaders Council	07/25/2006 http://www.mtwytlc.c om/arapaho.htm7, accessed 7/25/06.	Coal Bed Methane		No	EPA-HQ-OW-2004-0032-2476
10.37.1	03450	Other	Regulatory Issues Affecting Management of Produced Water From Coal Bed Methane Wells - DCN 03450	Coal bed methane (CBM) wells are being developed in increasing numbers throughout the United States. These are wells that are drilled into coal seams to withdraw ground water (produced water) to reduce the hydrostatic pressure on the coa seam. The reduced pressure allows methane gas to migrate to the well bore where it moves to the surface and is collected.	0	Veil, John A., Argonne Nat'l Lab	02/01/2002	Coal Bed Methane		No	EPA-HQ-OW-2004-0032-2479
10.37.1	03451	Report	Handbook on Coal Bed Methane Produced Water: Management and Beneficial Use Alternatives - DCN 03451	Natural gas use in the United States has risen significantly over the past decade an is expected to continue to be a prime sour of energy for industrial power and heating, as well as residential use for heating and cooking. The nationwide demand for electricity is steadily increasing and has fueled the need for natural gas to power electrical generating plants across the United States.	ce	ALL Consulting	07/01/2003	Coal Bed Methane		No	EPA-HQ-OW-2004-0032-2483
10.37.1	03452	Publication Copyrighted Material	Topic Report: Areas with the Largest Increase in Drilling - DCN 03452	The U.S. rig count has risen to 1,571 on March 24, 2006, from a low point of 738 in April 2002. The topic report this week will review the areas where the greatest increases in drilling activity have occurred.		Dearman, Britt	03/27/2006 http://www.apacheco rp.com/Explore	Coal Bed Methane		No	EPA-HQ-OW-2004-0032-2487
10.37.1	03453	Letter, Memorandum, Email	Letter to Interested Parties - DCN 03453	Coalbed Methane StreamDepletion Study North San Basin, Colorado. The San Juan Basin is the most productive source of coalbed methane (CBM) in North America Typically, in conjunction with the productio of CBM is the production of water. In the San Juan Basin in Colorado there are concerns with the amount, quality, uses, a effects of CBM produced water and with how the production of water may be affecting CBM gas seepage at the surface	n n nd	Wolfe, Dick, Colorado DNR	02/01/2006	Coal Bed Methane		No	EPA-HQ-OW-2004-0032-2490

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10.37.1	03454	Publication Other Government	Coalbed Methane In Alabama: An Overview - DCN 03454	Alabama has played a key role in demonstrating that gas from coal is an economically viable natural resource, and the state remains a leader in coalbed methane production. The state's coalbed methane industry has expanded greatly in the past decade, and 17 fields have now been established. Cumulative production of coalbed methane exceeds 1 tcf, and combined coalbed methane resources in three prospective coal fields of Alabama may exceed 22 tcf.	I		State of Alabama	07/25/2006	http://www.gsa.state. al.us/gsa/CBM%20a ssessment/CBMA_W eb_page/Overview.ht m, accessed 7/25/06.	Coal Bed Methane		No	EPA-HQ-OW-2004-0032-2493
10.37.1	03455	Other	Frequently Asked Questions Coal Bed Methane (CBM) - DCN 03455		12		Keith, Kristin, et al.	07/12/2006	Montana State University http://waterquality.mo ntana.edu/docs/meth ane/cbmfaq.shtml, accessed 7/12/06.	Coal Bed Methane		No	EPA-HQ-OW-2004-0032-2496
10.37.1	03456	Other	Coalbed Natural Gas Produced Water: Water Rights and Treatment Technologies - DCN 03456	The second in a series of three articles on regulations and technologies related to treating produced water from coalbed methane wells based on a Department of Energy-funded project.	n 6	-	Rawn- Schatzinger, Viola, et al.	09/01/2003	Gas Tips, Fall (13- 18), 2003	Coal Bed Methane		No	EPA-HQ-OW-2004-0032-2498
10.37.1	03457	Publication Other Government	Coalbed Methane Proved Reserves and Production - DCN 03457		2		Energy Information Administratio n	06/29/2006	http://tonto.eia.doe.g ov/dnav/ng/ng_enr_c bm_a_EPG0_r51_Bc f_a.htm, accessed 7/25/06.			No	EPA-HQ-OW-2004-0032-2501
10.37.1	03458	Other	Coalbed Natural Gas Resources: Beneficial Use Alternatives - DCN 03458	The final article in this series discusses treatment technologies and alternative use for coalbed natural gas produced water. Information in this article is based on a research guide funded by the U.S. Department of Energy/National Energy Technology Laboratory, the Bureau of Lan Management and the Grand Water Protection Research Foundation.		-	Rawn- Schatzinger, Viola, et al.	12/01/2003	GasTIPS, Winter (9- 14) 2004	Coal Bed Methane		No	EPA-HQ-OW-2004-0032-2503

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10.37.1	03459	Publication Other Government	Crude Oil and Natural Gas Development Wells, 1949-2005 - DCN 03459		3	U.S. DOE	01/01/2005	http://www.eia.doe.g ov/emeu/aer/txt/ptb0 407.html	Coal Bed Methane		No	EPA-HQ-OW-2004-0032-2505
10.37.1	03460	Other	Coalbed Natural Gas Resources and Produced Water Management - DCN 03460	As coalbed methane becomes a primary objective for natural gas drillers, concerns about produced water are coming to the forefront. First of three-part series.	5	Rawn- Schatzinger, Viola, et al.	06/01/2003	GasTIPS, Summer (20-24) 2003	Coal Bed Methane		No	EPA-HQ-OW-2004-0032-2508
10.37.1	03461	Publication Other Government	Wyoming Department Of Environmental Quality Water Quality Division Antidegradation Review, Analysis And Findings - DCN 03461			Wyoming, DEQ	12/01/2000		Coal Bed Methane		No	EPA-HQ-OW-2004-0032-2511
10.37.1	03462	Publication Copyrighted Material	Crow Tribe plans Lease Crackdown - DCN 03462	In an effort to regain control of nearly 450,000 acres of tribal lands, the Crow Tri announced plans Wednesday to crack dow on tribal members who help white rancher and farmers lease land at reduced rates.	wn	Hagengruber, James	03/09/2001	BillingsGazette.com http://www.billingsga zette.net/articles/200 1/03/09/local/export1 8444.txt	Coal Bed Methane		No	EPA-HQ-OW-2004-0032-2514
10.37.1	03463	Letter, Memorandum, Email	Response to 2006 Effluent Guidelines Program Plan Comments on the Effluent Guidelines for Synthetic-Based Drilling Fluids and other Non- Aqueous Drilling Fluids in the Oil and Gas Extraction Point Source Category (40 CFR 435)		8	Johnston, Carey, USEPA	11/06/2006		Oil & Gas Extraction		No	EPA-HQ-OW-2004-0032-2515
10.37.1	03464	Other	Doing It Right - DCN 03464	A blueprint for Responsible coal bed methane development in Montana	16	Northern Plains Resource Council	10/01/2001		Coal Bed Methane		No	EPA-HQ-OW-2004-0032-2516

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10.37.1	03467	Publication Copyrighted Material	Dr. W. Thomas Goerold Comments on BLM's Draft EIS - DCN 03467		21	Goerold, W. Thomas	05/15/2002	Powder River Basin Resource Council http://www.powderriv erbasin.org/cbm/exp ert_georold.shtml, accessed 8/23/06.	Coal Bed Methane		No	EPA-HQ-OW-2004-0032-2519
10.37.1	03468	Publication Other Government	Natural Gas Gross Withdrawals and Production - DCN 03468		1	Energy Information Administratio n	07/28/2006	http://tonto.eia.doe.g ov/dnav/ng/ng_prod_ sum_dcu_NUS_a.ht m, accessed 8/16/06.	Coal Bed Methane		No	EPA-HQ-OW-2004-0032-2520
10.37.1	03469	Other	Fact Sheet Colorado Portion of the Raton Basin - DCN 03469		6		06/04/2002		Coal Bed Methane		No	EPA-HQ-OW-2004-0032-2521
10.37.1	03470	Publication Other Government	Natural Gas Reserves Summary as of Dec. 31 - DCN 03470		1	Engery Information Administratio n	07/28/2006	http://tonto.eia.doe.g ov/dnav/ng/ng_enr_s um_dcu_NUS_a.htm , accessed 8/16/06.	Coal Bed Methane		No	EPA-HQ-OW-2004-0032-2522
10.37.1	03471	Publication Other Government	Coalbed Methane in the United States: A GIS Study - DCN 03471		30	Limerick, Samuel	06/01/2004	www.eia.doe.gov	Coal Bed Methane		No	EPA-HQ-OW-2004-0032-2523

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10.37.1	03472	Report	Feasibility Study of Expanded Coal Bed Natural Gas Produced Water Management Alternatives in the Wyoming Portion of the Powder River Basin Phase One - DCN 03472	The production of Coal Bed Natural Gas (CBNG) in the Powder River Basin (PRB) was initiated in the 1980s. Since its inception, the Wyoming Oil & Gas Conservation Commission (WOGCC) has issued more than 48,000 CBNG well permits; almost 24,000 CBNG wells have been drilled. Development in the State of Montana has been dramatically less due in large part to litigation from non- governmental organizations (NGOs) that have impeded development activities.		ALL Consulting	01/01/2006		Coal Bed Methane		No	EPA-HQ-OW-2004-0032-2524
10.37.1	03473	Speech	Unconventional Natural Gas: Industry Savior or Bridge - DCN 03473	Unconventional Gas Production Projection inthe Annual Energy Outlook 2006: An Overview	ıs 12	McCallister, Ted	03/27/2006	EIA Midterm Energy Outlook and Modeling Conference Washington, DC March 27, 2006	Coal Bed Methane		No	EPA-HQ-OW-2004-0032-2525
10.37.1	03474	Report	2005 Annual Coalbed Methane Regional Ground-water Monitoring Report: Northern Portion of the Powder River Basin - DCN 03474	OPEN-FILE REPORT 538	148	Wheaton, John, et al.	01/01/2006	Montana Bureau of Mines and Geology, Open-File Report 538	Coal Bed Methane		No	EPA-HQ-OW-2004-0032-2527
10.37.1	03476	Publication Copyrighted Material	Well Completion - DCN 03476	Once a natural gas or oil well is drilled, and it has been verified that commercially viab quantities of natural gas are present for extraction, the well must be 'completed' to allow for the flow of petroleum or natural g out of the formation and up to the surface.	le	NaturalGas.o rg	08/18/2006	http://www.naturalga s.org/naturalgas/well _completion.asp, accessed 8/18/06.		V	No	EPA-HQ-OW-2004-0032-2529
10.37.1	03478	Publication Other Government	Water co-produced with coalbed methane in the Powder River Basin, Wyoming: preliminary compositional data - DCN 03478	Production of water and natural gas from coal beds (coalbed methane, CBM) has increased dramatically over the past ten years and the gas currently accounts for about 6% of the total produced in the Unite States. The Powder River Basin (PRB) in Wyoming and Montana (Fig. 1) has emerged as one of the most active new areas of CBM production since 1997.	20 ed	Rice, C.A., et al., USGS	01/01/2000	U.S. Geological Survey, Open-File Report 00-372	Coal Bed Methane		No	EPA-HQ-OW-2004-0032-2531

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10.37.1	03480	Publication Other Government	Future Supply and Emerging Resources Coal Bed Natural Gas - DCN 03480	Once a nuisance and mine safety hazard, coalbed natural gas (CBNG) - also referred to as coalbed methane - has become a valuable part of our Nation's energy portfolio. CBNG production has increased during the last 15 years and now accounts for about a twelfth of U.S. natural gas production. As America's natural gas demand grows substantially over the next two decades, CBNG will become increasingly important for ensuring adequa and secure natural gas supplies for the United States.	1	U.S. DOE	07/12/2006	http://www.netl.doe.g ov/technologies/oil- gas/FutureSupply/Co alBedNG/CoalBed_N G.html, accessed 7/12/06.	Coal Bed Methane		No	EPA-HQ-OW-2004-0032-2534
10.37.1	03481	Report	Produced Gas And Water Testing Of Cbm Gas Wells In The Raton Basin, Huerfano And Las Animas Counties, Colorado - DCN 03481	The Colorado Oil and Gas Conservation Commission (COGCC) contracted ESN Rocky Mountain to collect and analyze produced gas and water samples from 50 selected coalbed methane gas wells in Huerfano and Las Animas Counties, Colorado. This sampling program is part of multi-phase project being conducted by the COGCC to assess the potential impact to ground water resources in the Raton Basin	a e	ESN Rocky Mountain	02/11/2002		Coal Bed Methane		No	EPA-HQ-OW-2004-0032-2535
10.37.1	03482	Publication Copyrighted Material	North American Coalbed Methane Resource Map - DCN 03482	U.S. Lower-48 Coal and Coalbed Gas Resources	2	Gas Technology Institute	07/13/2006	http://www.eandpnet. com/mapscharts/cb m/ustable.html, accessed 7/13/2006.	Coal Bed Methane		No	EPA-HQ-OW-2004-0032-2536
10.37.1	03483	Publication Copyrighted Material	Overview of U.S. Plays and Trends - DCN 03483		30	Reimers, David D.	01/01/2005		Coal Bed Methane		No	EPA-HQ-OW-2004-0032-2537
10.37.1	03484	Other	Statistics about CBM development in the Raton Basin - DCN 03484		2	East of Huajatolla Citizens Alliance	07/25/2006	http://www.ehcitizens .org/cbmgas/rb_facts /fact_sheet.htm accessed 7/25/2006			No	EPA-HQ-OW-2004-0032-2538

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10.37.1	03486	Report	Water Production from Coalbed Methane in Wyoming: A Summary of Quantity, Quality, and Management Options - DCN 03486	Coalbed methane (CBM) is natural gas associated with coal deposits. While the presence of this gas has been known for centuries, methods for economically collecting it have only recently been developed. Beginning with a few producing wells in Wyoming's Powder River Basin (PRB) in1987, CBM well numbers in this area have increased to over 13,600 in 200 with projected growth to 20,900 producing wells in the PRB alone by 2010.	94,	Ruckelshaus Institute of Environment & NR	12/01/2005	http://www.uwyo.edu/ enr/ienr/cbm.asp	Coal Bed Methane		No	EPA-HQ-OW-2004-0032-2540
10.37.1	03487	Publication Other Government	Water Produced with Coal-Bed Methane - DCN 03487	Natural gas produced from coal beds (coal bed methane, CBM) accounts for about 7.5 percent of the total natural gas production the United States. Along with this gas, wat is also brought to the surface. The amount of water produced from most CBM wells is relatively high compared to conventional natural gas wells because coal beds conta many fractures and pores that can contain and transmit large volumes of water.	5 in er	U.S. Geological Survey	11/01/2000	USGS Fact Sheet FS-156-00	Coal Bed Methane		No	EPA-HQ-OW-2004-0032-2541
10.37.1	03489	Publication USEPA	Evaluation of Impacts to Underground Sources of Drinking Water by Hydraulic Fracturing of Coalbed Methane Reservoirs - DCN 03489	Section 1421 of SDWA tasks EPA with protecting USDWs for all current and future drinking water supplies across the country (see section 1.3 for the complete definition of a USDW). EPA's UIC Program is responsible for ensuring that fluids injected into the ground (for purposes including waste disposal, oil field brine disposal, enhanced recovery of oil and gas, mining, and emplacement of other fluids) do not endanger USDWs.	e I	USEPA	06/01/2004	Office of Ground Water and Drinking Water (4606M) EPA 816-R-04-003, www.epa.gov/safewa ter	Coal Bed Methane		No	EPA-HQ-OW-2004-0032-2543
10.37.1	03489A1	Publication USEPA	Evaulation of Impacts to Underground Sources of Drinking Water by Hydraulic Fracturing of Coalbed Methane Reservoirs - The San Juan Basin - DCN 03489A1	The San Juan Basin covers an area of about 7,500 square miles across the Colorado/New Mexico line in the Four Corners region (Figure A1-1). It measures roughly 100 miles long in the north-south direction and 90 miles wide. The Continent Divide trends north-south along the east side of the basin, and land surface elevations within the basin range from 5,10 feet on the western side to over 8,000 feet the northern part.	tal 00	USEPA	06/01/2004	EPA 816-R-04-003	Coal Bed Methane		No	EPA-HQ-OW-2004-0032-2543.1

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10.37.1	03490	Publication Other Government	Final Environmental Impact Statement and Proposed Plan Amendment for the Power River Basin Oil and Gas Project - DCN 03490	A group of oil and gas companies has notified the Bureau of Land Management and U.S. Forest Service of their intent to develop additional coal bed methane (CBM resources in Wyoming's Powder River Basin. The Proposed Action includes drilling, completing, operating, and reclaiming almost 39,400 new CBM wells and constructing, operating, and reclaiming various ancillary facilities needed to suppo the new wells. The Proposed Action would occur in a project area of almost 8,000,000 acres. Drilling would begin in 2002 and continue for 10 years.	g rt	Bureau of Land Mangement, U.S. DOI	01/01/2003	WY-070-02-065	Coal Bed Methane		No	EPA-HQ-OW-2004-0032-2544.8
10.37.1	03555	Other	Water Quality Analysis of the Effects of CBM Produced Water on Soils, Crop Yields and Aquatic Life - DCN 03555	Coal bed methane discharge water contair several substances or materials that could at certain concentrations, be harmful to aquatic life or use for irrigation. These substances include sodium, bicarbonate, the amount of sodium relative to the amounts of calcium and magnesium (SAR and total dissolved solids (TDS).	,	Horpestad, Abe, Montana, DEQ	10/01/2001	http://www.deq.state. mt.us/CoalBedMetha ne/Criteria-sar-EC- h.htm (accessed 8/29/06)			No	EPA-HQ-OW-2004-0032-2546
10.37.1	03582	Other	\$3-Billion Project Planned To Move Rockies Gas East - DCN 03582		2	Strong, Michael McGraw Hill Companies	02/13/2006		Coal Bed Methane		No	EPA-HQ-OW-2004-0032-2549
10.37.1	03596	Publication Other Government	Coalbed Methane Potential in the Appalachian States of Pennsylvania, West Virginia, Maryland, Ohio, Virginia, Kentucky, and TennesseeAn Overview By Paul C. Lyons Open File Report 96-0735 - DCN 03596	This report focuses on the coalbed methar (CBM) potential of the central Appalachian basin (Virginia, eastern Kentucky, southerr West Virginia, and Tennessee) and the northern Appalachian basin (Pennsylvania northern West Virginia, Maryland, and Ohio). As of April 1996, there were about 800 wells producing CBM in the central an northern Appalachian basin.	ן י	Lyons, Paul C.	09/08/2006	U.S. GS, Report 96- 0735, http://pubs.usgs.gov/ of/1996/of96-735/ (accessed 9/8/06)	Coal Bed Methane		No	EPA-HQ-OW-2004-0032-2551
10.37.1	03597	Publication Other Government	Preliminary Evaluation of the Coalbed Methane Resources of the Gulf Coastal Plain - DCN 03597	Review of the coal geology of the Gulf Coastal Plain, Review of coalbed methane prospect areas and data, Preliminary calculation of the coalbed methane gas in place for the Gulf Coastal Plain, Conclusions and recommendations	43	Warwick, P. D., et. Al	09/08/2006	U.S. GS, Open File Report 00-143, http://pubs.usgs.gov/ openfile/of00-143/ (accessed 9/8/06)	Coal Bed Methane		No	EPA-HQ-OW-2004-0032-2552

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10.37.1	03671	Publication Other Government	A Preliminary Evaluation of Vertical Separation between Production Intervals of Coalbed- Methane Wells and Water-Supply Wells in the Raton Basin, Huerfano and Las Animas Counties, Colorado, 1999-2004 - DCN 03671		15	Watts, K.R., USGS	01/01/2006	U.S. Geological Survey Scientific Investigations Report 2006-5109, http://pubs.usgs.gov/ sir/2006/5109/	Coal Bed Methane		No	EPA-HQ-OW-2004-0032-2553
10.37.1	03680	Letter, Memorandum, Email	Email to Carey Johnston, USEPA - DCN 03680	Coal Bed Methane NPDES Permit Questions for Alabama Department of Environmental Management	3	Hulcher, Richard, Alabama DEM	09/11/2006		Coal Bed Methane		No	EPA-HQ-OW-2004-0032-2557
10.37.1	03680A1	Data	Alabama CBM NPDES Facilities - DCN 03681	List of NPDES permits issued to Coal Bec Methane producers in Alabama. Includes permit number, operator, and dates.	1 1	Hulcher, Richard, Alabama DEM	09/11/2006		Coal Bed Methane		No	EPA-HQ-OW-2004-0032-2557.1
10.37.1	03750	Publication Copyrighted Material	Coalbed Methane: Building on CBM Success - DCN 03750	Finding more reserves, applying new technology and building community relations. These are the tasks that occupy oil and gas companies today as they purs coalbed-methane (CBM) reserves in this country and Canada.			12/01/2003	www.OilandGasInve stor.com	Coal Bed Methane		No	EPA-HQ-OW-2004-0032-2596
10.37.1	03876	Publication Other Government	Coalbed Methane in the United States - Past, Present, and Future - DCN 03876	Coalbed methane production and use statistics.	1	EIA, DOE	02/01/2004	http://www.eia.doe.g ov/oil_gas/rpd/cbmus a2.pdf			No	EPA-HQ-OW-2004-0032-2638
10.37.1	03877	Publication Other Government	Short-Term Energy Outlook: June 2006 - DCN 03877	Energy production and demand for 2006.	51	EIA, DOE	06/06/2006	http://www.eia.doe.g ov/pub/forecasting/st eo/oldsteos/jun06.pd f			No	EPA-HQ-OW-2004-0032-2639

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10.37.1	03878	Permit, Registration	Authorization to Discharge Under MPDES MT0030457 for Fidelity Exploration and Production Company - DCN 03878	MT0030457 - NPDES permit for Fidelity Exploration and Production Company	27	Montana, DEQ	07/05/2001	www.deq.mt.us/coalb edmethane/MT0030 457.pdf			No	EPA-HQ-OW-2004-0032-2640
10.37.1	03879	Meeting or Teleconference Materials	New Mexico Coalbed Methane Produced Water Issues - DCN 03879	Proceedings from the Produced Water Forum in Farmington, NM	25	New Mexico Oil Conservation Division	04/01/2004	http://octane.nmt.edu /sw- pttc/proceedings/Pro ducedWater04Proc/ ProceedingsPW.asp	Coal Bed Methane		No	EPA-HQ-OW-2004-0032-2641
10.37.1	03880	Publication Copyrighted Material	Coalbed Methane in Alaska - DCN 03880	Potential coalbed methane resources in Alaska.	4	Northern Alaska Environment al Center	01/01/2002	http://www.northern.o rg/artman/publish/co alBed.shtml			No	EPA-HQ-OW-2004-0032-2642
10.37.1	03881	Letter, Memorandum, Email	Memorandum to Public Record for Effluent Guidelines Program Plan 2005/2006: Computation of lifetime per barrel costs for coal bed methane - produced water in the powder river basin DCN 03881	Computation of lifetime per barrel costs for coal bed methane - produced water in the powder river basin.		Jones, Anne, Eastern Research Group, Inc.	10/13/2006		Coal Bed Methane		No	EPA-HQ-OW-2004-0032-2643
10.37.1	03881A1	Data	Memorandum to Public Record for Effluent Guidelines Program Plan 2005/2006 - Attachment A1: Reverse Osmosis Costs - DCN 03881A1	Attachment to the memorandum to the docket entitled, "Computation of Lifetime p Barrel Costs of Disposal for Coal Bed Methane-Produced Water in the Powder River Basin" DCN 03881	1 ber		08/06/2006		Coal Bed Methane		No	EPA-HQ-OW-2004-0032-2643.1
10.37.1	03881A2	Data	Memorandum to Public Record for Effluent Guidelines Program Plan 2005/2006 - Attachment A2: Ion Exchange Costs - DCN 03881A2	Attachment to the memorandum to the docket entitled, "Computation of Lifetime p Barrel Costs of Disposal for Coal Bed Methane-Produced Water in the Powder River Basin" DCN 03881	0 ber		08/06/2006		Coal Bed Methane		No	EPA-HQ-OW-2004-0032-2643.2

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10.37.1	03882	Publication Other Government	Coalbed Methane Wells in the Powder River Basin - DCN 03882	Production and reserves in the Powder River Basin.	7	Wyoming Oil &Gas Conservation Comm.		http://wogcc.state.wy .us/coalbedchart.cfm			No	EPA-HQ-OW-2004-0032-2644
10.37.1	03883	Publication Other Government	Off-Channel, Unlined CBM-produced Water Pit Siting Guidelines for the Powder River Basin, Wyoming - DCN 03883	Recommendations for evaluating and sitir CBM produced water pits.	ng 6	Wyoming, DEQ, Water Quality Div.	08/06/2002	http://deq.state.wy.us /wqd/groundwater/do wnloads/CBM/2- 3328-doc.pdf			No	EPA-HQ-OW-2004-0032-2646
10.37.1	03884	Publication Copyrighted Material	The Coal Section: Coalbed Methane Information - DCN 03884	General information about coalbed metha in Wyoming.	ne 4	Wyoming State Geological Survey		http://www.wsgs.uwy o.edu/coal/cbm_info. aspx			No	EPA-HQ-OW-2004-0032-2645
10.37.1	03904	Publication Copyrighted Material	Wyoming Oil and Gas Conservation Commission Website - DCN 03904		1	Wyoming Oil & Gas Conservation Commission		http://wogcc.state.wy .us/coalbedchart.cfm	Coal Bed Methane		No	EPA-HQ-OW-2004-0032-2647
10.37.1	03905	Data	Coal Bed Methane Permits in Wyoming - DCN 03905	Database search of Wyoming Departmen Environmental Quality.	t of 2	Wyoming, DEQ	08/16/2006	http://deq.state.wy.us /wqd/npdes/QLstPer mits.asp	Coal Bed Methane		No	EPA-HQ-OW-2004-0032-2648
10.37.1	03981	Publication Copyrighted Material	Number of Wells in the Black Warrior Basin - DCN 03981	Using OGB database, able to obtain the number of wells.	2	Oil and Gas Board, State of Alamaba	01/01/2006	http://www.ogb.state. al.us	Coal Bed Methane	✓	No	EPA-HQ-OW-2004-0032-2657

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10.37.1	04009	Letter, Memorandum, Email	Memorandum to Carey Johnson, EPA/OW - DCN 04009	Costs for a Counter Current Ion Exchange System (Higgins Loop) to Treat Coalbed Methane Water in the Powder River Basin	e 8	Vanatta, Birute; Abel, Joy, ERG	03/30/2004	Coal Mining		No	EPA-HQ-OW-2004-0032-2672
10.37.1	04010	Letter, Memorandum, Email	Memorandum to the Record: Coalbed Methane Cost Evaluation - DCN 04010	Coalbed Methane Cost Evaluation	8	Weiss, Lori	08/24/2004	Coal Mining		No	EPA-HQ-OW-2004-0032-2673
10.37.1	04011	Data	Input Parameters for Coalbed Methane (CBM) Produced Water Treatment Technologies - DCN 04011		2			Coal Mining		No	EPA-HQ-OW-2004-0032-2674
10.37.1	04054	Letter, Memorandum, Email	Memorandum to Carey Johnston, EPA - DCN 04054	Costs for a Counter Current Ion Exchange System (Higgins Loop) to Treat Coalbed Methane Water in the Powder River Basin		Vanatta, Birute, Abel, Joy, ERG	03/30/2004	Coal Bed Methane		No	EPA-HQ-OW-2004-0032-2699
10.37.1	04079	Other	Coastal Oil and Gas Questionnaire - DCN 04079	Survey Questionnaire for Coastal Oil and Gas Operations	100	U.S. EPA Engineering and Analysis Division	01/01/1993 U.S. EPA Engineering and Analysis Division. July 1993. Washington, D.C.	Coal Bed Methane		No	EPA-HQ-OW-2004-0032-2712
10.37.1	04109	Report	Coalbed Methane Site Visit Report, July 2006, Powder River Basin, WY - DCN 04109		27	Carey Johnston, U.S. EPA	11/30/2006	Coal Bed Methane		No	EPA-HQ-OW-2004-0032-2714

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10.37.1	04109A1	Report	CBI Details of the Site Visit of the Petro-Canada Wild Turkey Facility - U.S. Filter (11 July 2006) - DCN 04109A1		1	Johnston, Carey, EPA/EAD	11/30/2006		Coal Bed Methane		Yes	EPA-HQ-OW-2004-0032-2714.1
10.37.1	04109A2	Report	CBI Details of the Site Visit of the Anadarko Skewed Reservoir Facility - Newpark Resources (12 July 2006) - DCN 04109A2		1	Johnston, Carey, EPA/EAD	11/30/2006		Coal Bed Methane		Yes	EPA-HQ-OW-2004-0032-2714.2
10.37.1	04113	Letter, Memorandum, Email	Memorandum to Public Record for the 2006 ELG Plan EPA Docket Number EPA-HQ-OW- 2004-0032 Re:Incorporation by Reference: Sodic Soils - DCN 04113		1	Johnston, Carey, EPA/EAD	11/30/2006		Coal Bed Methane		No	EPA-HQ-OW-2004-0032-2715
10.37.1	04120	Letter, Memorandum, Email	Memorandum to Bob Bukantis, Montana Department of Environmental Quality - DCN 04120	Summary of Potential Environmental Impacts Due to Coal Bed Natural Gas Wat Treatment Activities in the Powder River Basin of Montana	11 er	Langhus, Bruce, ALL Consulting	08/25/2006	http://www.deq.state. mt.us/coalbedmetha ne/DrftTechMemoAu g906(2).pdf	Coal Bed Methane		No	EPA-HQ-OW-2004-0032-2739
10.37.1	04121	Report	Treatment of Produced Oil and Gas Waters with Surfactant-Modified Zeolite (DOE AWARD NUMBER: DE-AC26-99BC15221) - DCN 04121		197	Lynn E. Katz, R.S. Bowman, E.J. Sullivan	11/01/2003	http://www.osti.gov/b ridge/servlets/purl/82 6265- 6kqSZ0/native/82626 5.pdf	Methane		No	EPA-HQ-OW-2004-0032-2740
10.37.1	04124	Report	A Guide to Practical Management of Produced Water from Onshore Oil and Gas Operations in the United States (DE-PS26-04NT15460-02) - DCN 04124		316	Interstate Oil and Gas Compact Comm & ALL	10/01/2006	http://www.all- llc.com/IOGCC/PDF/ PWGuideFinal- LowRes.pdf	Coal Bed Methane		No	EPA-HQ-OW-2004-0032-2741

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10.37.1	04129	Publication Copyrighted Material	Coal Industry Turns to Ion Exchange Technology for Wastewater Minimization (Powder River Basin) - DCN 04129		6	Dennis, Rich	09/01/2006	Industrial WaterWorld September, 2006 (http://ww.pennnet.co m/Articles/Article_Dis play.cfm?Section=A RTCL&PUBLICATIO	Coal Bed Methane		No	EPA-HQ-OW-2004-0032-2742
10.38	01772	Permit, Registration	Pea Ridge Iron Ore Company, Inc. MO0000574, Washington CoDCN 01772		12	Schroeder, Philip A.	06/05/1998		Ore Mining and Dressing		No	EPA-HQ-OW-2004-0032-0130
10.38	01776	Permit, Registration	Missouri State Operating Permit -DCN 01776		15	Young, John A.	12/19/1997		Ore Mining and Dressing	ı 🗌	No	EPA-HQ-OW-2004-0032-0131
10.38	02090	Support Background	EPA Issues Draft Discharge Permits and Proposed Variances for Three Silver Valley Wastewater Treatment Plants -DCN 02090		2	EPA	08/05/2005		Ore Mining and Dressing	1	No	EPA-HQ-OW-2004-0032-0133
10.38	02800	Publication Copyrighted Material	Siemens Offers Biological Treatment Of Cyanide, Thiocyanate And Ammonia In Mining Wastewater - DCN 02800	Pilot operations at tailings pond discharges in Canada and Africa show that the Rotatin Biological Contactor (RBC) process can be designed to economically and reliably treat wastewater generated by mining operation As a pioneer in the RBC process in North America, Envirex Products of "Water Technologies," a division of the Siemens Group Industrial Solutions and Services (I&S), has successfully applied the RBC process in many different industrial applications worldwide such as refineries, chemical plants, and mines, in addition to hundreds of municipal wastewater treatme applications, dating back to 1985.	ng t t. s.	Siemens Water Technologies	05/24/2006	Water Online Newsletter, 5/24/06	Ore Mining and Dressing	1	No	EPA-HQ-OW-2004-0032-1558

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10.38	02845	Publication Copyrighted Material	EPCOR Delivers Heavy Metal Solution For B.C.'s Britannia Mine - DCN 02845	New water treatment plant ending 100 yea environmental contamination in B.C.'s How Sound		EPCOR Utilities Inc.	06/05/2006	Water Online, http://www.wateronlin e.com/content/news/ article.asp?docid=e0 884efb-ef28-4b08- ade5-a11aa5b841ff (accessed June 15,	Ore Mining an Dressing	nd 🔽	No	EPA-HQ-OW-2004-0032-1559
10.38	03313	Permit, Registration	Authorization to Discharge Under the NPDES AR0000582, Alcoa Inc. Bauxite, Arkansas - DCN 03313	NPDES permit AR0000582 for Aloca Inc. Bauxite, Arkansas dated 5/31/05.	in 66	Akransas, DEQ	05/31/2005		Ore Mining an Dressing	nd 🗌	No	EPA-HQ-OW-2004-0032-2338
10.38	03313A1	Permit, Registration	NPDES fact sheet AR0000582 Aloca Inc., Bauxite, Arkansas - DCN 03313A1	AR0000582 - NPDES fact sheet for Aloca Inc., Bauxite, Arkansas.	37	Arkansas, DEQ	05/23/2005		Ore Mining an Dressing	nd 🗌	No	EPA-HQ-OW-2004-0032-2338.1
10.38	03320	Permit, Registration	Permit UT0000051 Statement of Basis Kennecott Utah Copper Corporation Renewal Permit: Discharge, Biosolids & Storm Water - DCN 03320	UT0000051 - NPDES permit number issue to Kennecott Utah Copper Corperation in Magna, Utah.	ed 23	Utah, DWQ			Ore Mining an Dressing	nd 🗌	No	EPA-HQ-OW-2004-0032-2342
10.38	03354	Publication Other Government	Best Practice Environmental Management in Mining - Water Management - DCN 03354		99	Australian Government Dept of Industry	05/29/2006	http://www.industry.g ov.au/assets/docume nts/itrinternet/Water_ Management200511 17172855.pdf	Ore Mining al Dressing	nd 🗌	No	EPA-HQ-OW-2004-0032-2423
10.38	03587	Report	Guidance Manual for the monitoring and reporting requirements of the NPDES Multi_Sector Storm Water General Permit - DCN 03587		28	USEPA	01/01/1999	http://www.p2pays.or g/ref/17/16096.pdf	Ore Mining an Dressing	nd 🗌	No	EPA-HQ-OW-2004-0032-2550

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10.38	03874	Data	Black Pine Mine Water Sampling Data - DCN 03874	Stormwater Sampling Data at Ore Mining Facility	0	U.S. EPA, Region 8	12/09/2004		Ore Mining a Dressing	ind 🗌	No	EPA-HQ-OW-2004-0032-2636
10.38	03875	Data	Bear Track Mine Water Sampling Data - DCN 03875	Stormwater Sampling Data at Ore Mining Facility	0	U.S. EPA, Region 8	02/23/2005		Ore Mining a Dressing	ind 🗌	No	EPA-HQ-OW-2004-0032-2637
10.39	01451	Letter, Memorandum, Email	A Study of the Inhibitory Effects of Aniline - 01451		15	Hamil, Ray D.	11/01/2004		Organic Che Plastics & Synthetic Fibers (OCPSF)	m, 🗌	No	EPA-HQ-OW-2004-0032-0134
10.39	01774	Permit, Registration	Final NPDES Permit Modification NPDES Permit Number AL0000205 -DCN 01774		53	Hughes, Edgar K.	05/19/1999		Organic Che Plastics & Synthetic Fibers (OCPSF)	m, 🗌	No	EPA-HQ-OW-2004-0032-0135
10.39	01778	Support Background	MYCELX Technologies Corporation, Infused Products Catalog -DCN 01778		12	Hilbig, David			Organic Che Plastics & Synthetic Fibers (OCPSF)	m, 🗌	No	EPA-HQ-OW-2004-0032-0137
10.39	01780	Support Background	Drew Industrial Division, Application Bulletin - DCN 01780		9		01/01/1986		Organic Che Plastics & Synthetic Fibers (OCPSF)	m, 🗌	No	EPA-HQ-OW-2004-0032-0139

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10.39	01812	Publication USEPA	Product and Product Group Discharges Subject to Effluent Limitations and Standards for the OCPSF Point Source Categor - 40 CFR 414 - DCN 01812		110	OW, EPA	04/01/2005		Organic Cher Plastics & Synthetic Fibers (OCPSF)	n, 🗆	No	EPA-HQ-OW-2004-0032-0941
10.39	01813	Meeting or Teleconference Materials	Sodium Nitrite Discharges Reported to TRI - DCN 01813		1	Kandle, Meghan, ERG	05/23/2005		Organic Cher Plastics & Synthetic Fibers (OCPSF)	n, 🗆	No	EPA-HQ-OW-2004-0032-0141
10.39	01814	Meeting or Teleconference Materials	Chlorine Discharges Reported to TRI - DCN 01814		1	Kandle, Meghan, ERG	05/23/2005		Organic Cher Plastics & Synthetic Fibers (OCPSF)	n, 🗆	No	EPA-HQ-OW-2004-0032-0142
10.39	01815	Support Background	Lyondell Lake Charles Complex -DCN 01815		2	Lyondell	07/18/2005		Organic Cher Plastics & Synthetic Fibers (OCPSF)	n, 🗆	No	EPA-HQ-OW-2004-0032-0144
10.39	01836	Publication Copyrighted Material	Water for Growth: California's New Frontier - DCN 01836		196		01/01/2005		Organic Cher Plastics & Synthetic Fibers (OCPSF)	n, 🗹	No	EPA-HQ-OW-2004-0032-0145
10.39	01909	Letter, Memorandum, Email	Options for Promoting Water Conservation Through the Use of Mass-based Limits - Case Study - DCN 01909		20	Jacqueline Rios, Pretreatment Coordinator	08/02/2005		Organic Cher Plastics & Synthetic Fibers (OCPSF)	n, 🗌	No	EPA-HQ-OW-2004-0032-0147

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10.39	01927	Support Background	Turbulent Waters - DCN 01927		5	Seidel, Andrew	08/17/2004		Organic Cher Plastics & Synthetic Fibers (OCPSF)	n, 🗌	No	EPA-HQ-OW-2004-0032-0167
10.39	01928	Letter, Memorandum, Email	American Chemistry Council Comments on Draft 2004 Report to Congress - DCN 01928		9	Jim Salyst, ACC	05/20/2004		Organic Cher Plastics & Synthetic Fibers (OCPSF)	n, 🗆	No	EPA-HQ-OW-2004-0032-0169
10.39	01929	Letter, Memorandum, Email	National Association of Manufacturer's Comment on Draft 2004 Report to Congress - DCN 01929		59	Lawrence Fineran, NAM	05/20/2004		Organic Cher Plastics & Synthetic Fibers (OCPSF)	n, 🗌	No	EPA-HQ-OW-2004-0032-0171
10.39	01930	Support Background	OW Water Permit Rules - OCPSF (Comment Summary) - DCN 01930		2				Organic Cher Plastics & Synthetic Fibers (OCPSF)	n, 🗆	No	EPA-HQ-OW-2004-0032-0172
10.39	01931	Support Background	Comments of the General Electric Company on US EPA's Preliminary Effluent Guidelines Plan & US EPA's Organic Chemicals, Plastics, and Synthetic Fibers (OCPSF) Detailed Study Plan - DCN 01931		13	Giordano, Vincent Counsel	12/29/2003		Organic Cher Plastics & Synthetic Fibers (OCPSF)	n, 🗌	No	EPA-HQ-OW-2004-0032-0174
10.39	02415	Permit, Registration		MS0034878 - NPDES permit for channel chemical company	17	Mississippi EQ Permit Board	06/18/2003		Organic Cher Plastics & Synthetic Fibers (OCPSF)	n, 🗌	No	EPA-HQ-OW-2004-0032-1196

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10.39	02415A1	Permit, Registration		MS0034878 - NPDES fact sheet for Channel Chemical Company	4	Mississippi EQ Permit Board			Organic Che Plastics & Synthetic Fibers (OCPSF)	am, □	No	EPA-HQ-OW-2004-0032-1196.1
10.39	02420	Permit, Registration	Permit to Discharge Wastes TX0008788, BASF Corporation, Freeport, Texas - DCN 02420	TX0008788 - NPDES permit for BASF Corporation	48	Texas, CEQ	06/07/2005		Organic Che Plastics & Synthetic Fibers (OCPSF)	em, 🗌	No	EPA-HQ-OW-2004-0032-1189
10.39	02420A1	Permit, Registration	Permit TX0008788 Fact Sheet and Executive Director's Preliminary Decision, BASF Corporation, Freeport, Texas - DCN 02420A1	TX0008788 - NPDES fact sheet BASF Corporation	38	Sunderlin, Michael, TCEQ	03/29/2005		Organic Che Plastics & Synthetic Fibers (OCPSF)	em, 🗌	No	EPA-HQ-OW-2004-0032-1189.1
10.39	02509	Permit, Registration	Commonwealth of Virginia, DEQ, Authorization to Discharge Under the VPDES and the Virginia State Water Control Law VA0005291, Honeywell International, Inc DCN 02509	VA0005291 - NPDES permit for Honeywe International, Inc	II 85	VADEQ	07/18/2002		Organic Che Plastics & Synthetic Fibers (OCPSF)	em, 🗌	No	EPA-HQ-OW-2004-0032-1194
10.39	02509A1	Permit, Registration		VA0005291 - NPDES fact sheet for Honeywell International, Inc	197	VADEQ	02/06/2002		Organic Che Plastics & Synthetic Fibers (OCPSF)	em, 🗌	No	EPA-HQ-OW-2004-0032-1190
10.39	02510	Permit, Registration	Final Surface Water Renewal Permit Action Category: B-Industrial Wastewater NJ0005100, DuPont Chambers Works, E.I. DuPont De Nemours & Co DCN 02510	NJ0005100 - NPDES permit DuPont Chambers Works	119	Patterson, Pilar, NJDEP	08/10/2005		Organic Che Plastics & Synthetic Fibers (OCPSF)	em, 🗌	No	EPA-HQ-OW-2004-0032-1195

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10.39	02523	Permit, Registration	Permit to Discharge Wastes TX0007421, Atofina Petrochemicals, Inc., Deer Park, Texas - DCN 02523	TX0007421 - NPDES permit for Atofina Petrochemicals, Inc.	38	TCEQ	11/02/2004		Organic Che Plastics & Synthetic Fibers (OCPSF)	em, 🗌	No	EPA-HQ-OW-2004-0032-1191
10.39	02523A1	Other	Fact Sheet and Executive Director's Preliminary Decision NPDES TX0007421, Atofina Petrochemicals, Inc DCN 02523A1	TX0007421 - NPDES fact sheet for Atofina Petrochemicals, Inc	a 32	TCEQ	05/17/2004		Organic Che Plastics & Synthetic Fibers (OCPSF)	em, 🗌	No	EPA-HQ-OW-2004-0032-1188
10.39	02676	Other	Green Catalyst Destroys Pesticides and Munitions Toxins, Finds Carnegie Mellon University - DCN 02676		2	Ward, Lauren, Carnegie Mellon Uni.	03/03/2006		Organic Che Plastics & Synthetic Fibers (OCPSF)	em, 🗌	No	EPA-HQ-OW-2004-0032-1193
10.39	02706	Letter, Memorandum, Email	Memorandum to Public for the 2006 Effluent Guidelines Program Plan: EPA and ACC Discussion of the 2006 Effluent Guidelines Plan (2 March 2006) - DCN 02706	EPA and ACC Discussion of the 2006 Effluent Guidelines Plan (2 March 2006)	2	Johnston, Carey A., US EPA	04/25/2006		Organic Che Plastics & Synthetic Fibers (OCPSF)	em, 🗌	No	EPA-HQ-OW-2004-0032-1910
10.39	03138	Publication Copyrighted Material	BASF's Freeport Site Cuts Nitrate Emissions in Half: Investment in Technologies Results in Cleaner Air and Increased Efficiencies - DCN 03138	Press release discussing the nitrate recovery and production of nitric acid accounting for 50 percent nitrate reduction to all media.	2 IIS	BASF		<http: www.basf.co<br="">m/corporate/news20 01/newsnitrate_emis sions042501.htm&gt;. December 12, 2005</http:>		em, 🔽	No	EPA-HQ-OW-2004-0032-1713.1
10.39	03703	Meeting or Teleconference Materials	Notes from telephone conversation between Gordon Smith of Bayer Cropscience, Institute, WV, and Meghan Kandle of Eastern Research Group, Inc. "Benzo(a)pyrene Discharges in PCS for 2002." - DCN 03703	Telephone conversation to determine whether discharges in PCS for 2002 were measured concentrations of benzo(a)pyrene or if concentrations were based on detection limits.	1	Kandle, Meghan, ERG	08/03/2006		Organic Che Plastics & Synthetic Fibers (OCPSF)	em, 🗌	No	EPA-HQ-OW-2004-0032-2560

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10.39	03704	Meeting or Teleconference Materials	Notes from telephone conversation between Beth Connell of DSM Chemicals, Augusta, GA, and Meghan Kandle of Eastern Research Group, Inc. "PACs Discharges reported to TRI for 2003." - DCN 03704	Telephone conversation to determine the basis of estimate for PACs discharges reported to TRI for 2003.	1	Kandle, Meghan, ERG	08/04/2006	Organic Chen Plastics & Synthetic Fibers (OCPSF)	n, 🗌	No	EPA-HQ-OW-2004-0032-2561
10.39	03705	Meeting or Teleconference Materials	Notes from telephone conversation between Dennis Heintzman of GE Silicones, LLC, Friendly, WV, and Meghan Kandle of Eastern Research Group, Inc. "Benzo(a)pyrene Discharges in PCS for 2002." - DCN 03705	Telephone conversation to determine whether discharges in PCS for 2002 were measured concentrations of benzo(a)pyre or if concentrations were based on detection limits.	ne	Kandle, Meghan, ERG	08/03/2006	Organic Chen Plastics & Synthetic Fibers (OCPSF)	n, 🗌	No	EPA-HQ-OW-2004-0032-2562
10.39	03706	Meeting or Teleconference Materials	Notes from telephone conversations between 11 OCPSF facility representatives, and Meghan Kandle of Eastern Research Group, Inc. "Discharges of Dioxin and Dioxin-Like Compounds Reported to TRI for 2002 and 2003." - DCN 03706	Telephone conversations to determine the basis of estimate for the discharges of dio: and dioxin-like compounds reported to TR for 2002 and 2003.	xin	Kandle, Meghan, ERG	08/25/2006	Organic Chen Plastics & Synthetic Fibers (OCPSF)	n, 🗌	No	EPA-HQ-OW-2004-0032-2563
10.39	03707	Meeting or Teleconference Materials	Notes from telephone conversation between Alan Olson of Ferro Corporation, Bridgeport, NJ, and Dan-Tam Nguyen of Eastern Research Group, Inc. "Information Collection Effort to Finalize Mailing List for CCH Questionnaire." - DCN 03707	ERG contacted companies identified as potential manufacturers of chlorinated hydrocarbons to confirm manufacturing locations and chlorinated hydrocarbon products. Information from conversations was used to develop a list of facilities for th Chlorine and Chlorinated Hydrocarbon (CCH) questionnaire mailing.		Nguyen, Dan-Tam, ERG	07/12/2006	Organic Chen Plastics & Synthetic Fibers (OCPSF)	n, 🗌	No	EPA-HQ-OW-2004-0032-2564
10.39	03708	Other	DSM in the United States - DCN 03708	Location finder provides a list of chemicals manufactured at the Augusta, GA plant.	s 9	DSM	06/21/2006 http://www.dsm.com/ en_US/html/about/lo cation_finder.htm	Organic Chen Plastics & Synthetic Fibers (OCPSF)	n, 🗌	No	EPA-HQ-OW-2004-0032-2565
10.39	03709	Publication Copyrighted Material	Top 25 Personal Care Packagers - DCN 03709	Article includes a list of the top 25 persona care packagers, which identifies the Neutrogena, Los Angeles, CA location as packager of toiletries and soaps.		Food and Drug Packaging	07/01/2004 http://findarticles.com /p/articles/mi_m0UQ X/is_7_68/ai_n61608 53	Plastics &	n, 🔽	No	EPA-HQ-OW-2004-0032-2566

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10.39	03710	Publication Copyrighted Material	Sasol North America Inc - Baltimore, MD - DCN 03710	Web page provides information on product manufactured at the Sasol NA Baltimore, MD facility.	ts 1	Sasol North America Inc.	06/21/2006	http://www.sasolbalti more.com	Organic Cher Plastics & Synthetic Fibers (OCPSF)	n, 🔽	No	EPA-HQ-OW-2004-0032-2567
10.39	03711	Publication USEPA	Product and Product Group Discharges Subject to Effluent Limitations and Standards for the Organic Chemicals, Plastics, and Synthetic Fibers Point Source Category - 40 CFR 414 - DCN 03711	Guidance document for the Organic Chemicals, Plastics, and Synthetic Fibers effluent limitations guidelines and standard		U.S. EPA	04/01/2005	http://www.epa.gov/w aterscience/guide/oc psf/index.htm	Organic Cher Plastics & Synthetic Fibers (OCPSF)	n, 🗆	No	EPA-HQ-OW-2004-0032-2568
10.39	03712	Publication Other Government	Total Maximum Daily Loads for Dioxins in the Houston Ship Channel - DCN 03712	A seafood consumption advisory for catifish and blue crabs in the upper portion of Galveston Bay and the Houston Ship Channel (HSC) was issued by the Texas Department of Health in September of 199 as a result of dioxin found in fish and crab tissue. The HSC system was placed on the §303(d) list subsequently and a TMDL stue was initiated by the TCEQ.	00 e	TCEQ	10/01/2003	Texas Commission on Environmental Quality (TCEQ)	Organic Cher Plastics & Synthetic Fibers (OCPSF)	n, 🗌	No	EPA-HQ-OW-2004-0032-2569
10.39	04135	Publication Copyrighted Material	Hercules Incorporated Company Profile - DCN 04135	Hercules Incorporated, established in 1912 produces and markets specialty chemicals used in making a variety of products for home, office, and industrial markets.		Hercules Incorporated	10/11/2006	http://www.herc.com/ abouthercules/factsh eet.pdf	Organic Cher Plastics & Synthetic Fibers (OCPSF)	n, 🔽	No	EPA-HQ-OW-2004-0032-2743
10.39.2	02708	Publication Other Government	Biodiesel Production Technology - DCN 02708	Biodiesel production processes and plant logistics, prepared by National Renewable Energy Laboratory, US Department of Energy		Gerpen, J. Van, NREL	07/01/2004	NREL/SR-510-36244	Biofuel Production		No	EPA-HQ-OW-2004-0032-1911

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10.39.2	03137	Publication Other Government	Breaking the Biological Barriers to Cellulosic Ethanol: A Joint Research Agenda - DCN 03137	A robust fusion of the agricultural, industria biotechnology, and energy industries can create a new strategic national capability fe energy independence and climate protection. In his State of the Union Addre (*Bush 2006), President George W. Bush outlined the Advanced Energy Initiative, which seeks to reduce our national dependence on imported oil by acceleratin the development of domestic, renewable alternatives to gasoline and diesel fuels. The president has set a national goal of developing cleaner, cheaper, and more reliable alternative energy sources to substantially replace oil imports in the coming years. Fuels derived from cellulosi biomass—the fibrous, woody, and general inedible portions of plant matter—offer one such alternative to conventional energy sources that can dramatically impact national economic growth, national energy security, and environmental goals. Cellulosic biomass is an attractive energy feedstock because it is an abundant, domestic, renewable source that can be converted to liquid transportation fuels. These fuels can be used readily by current generation vehicles and distributed throug the existing transportation-fuel infrastructure	or ss ng c ly e t- h	U.S. DOE	06/01/2006		Biofuel Production		No	EPA-HQ-OW-2004-0032-1912
10.39.2	03154	Publication Copyrighted Material	Finding A Better Way To Make Biodiesel - DCN 03154		2	Iowa State University	06/20/2006	Pollution Online, http://www.pollutiono nline.com/content/ne ws/article.asp?docid =5250da80-226a- 4d18-9d05- aecb475dcaec	Biofuel Production		No	EPA-HQ-OW-2004-0032-1561
10.39.2	03266	Publication Other Government	Planning and Constructing an Ethanol Plant in Minnesota: A Guidance Document - DCN 03266		21	Minnesota Pollution Control Agency	06/01/2006	Minnesota Pollution Control Agency, http://www.pca.state. mn.us/programs/etha nol.html	Biofuel Production		No	EPA-HQ-OW-2004-0032-2331

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10.39.2	03275	Publication Copyrighted Material	Hitting the Gas: The development of energy from crops and other vegetation is gaining momentum - DCN 03275		6	Buecker, Brad	08/01/2006	Environmental Protection, Vol. 17, No. 6, http://www.stevenspu blishing.com/stevens /eppub.nsf/PubHome /DF2B21B99A0B31C	Biofuel Production		No	EPA-HQ-OW-2004-0032-2332
10.39.2	03311	Letter, Memorandum, Email	Email to Carey Johnston, USEPA Regarding Bio-Diesel discharges - DCN 03311	Biodiesel Discharges	3	McElroy, Dave, City of Sioux Falls	08/03/2006		Biofuel Production		No	EPA-HQ-OW-2004-0032-2336
10.39.2	03312	Publication Copyrighted Material	'Saudi Arabia of manure' dreams of biofuel gold - DCN 03312		3		08/07/2006	http://www.eenews.n et/Greenwire/2006/0 8/04/#1 (Accessed 8/7/06)			No	EPA-HQ-OW-2004-0032-2337
10.39.2	03406	Publication Copyrighted Material	Stockton snares biodiesel facility: Commercial production plant to make fuel from vegetable oils, animal fats - DCN 03406		2	Semmes, Ben	08/21/2006	www.insidebayarea.c om/porlet/article/html /fragments/print_artic le.jsp?article=42132 33			No	EPA-HQ-OW-2004-0032-2427
10.39.2	03407	Publication Copyrighted Material	Co-op tries creating fuel from Flowers: A Costilla County pilot plant begins turning sunflowers into clean-burning biodiesel - DCN 03407		2	Electra Draper, Denver Post	08/22/2006	www.denverpost.co m/portlet/article/html/ fragments/print_articl e.jsp?article=421686 3	Biofuel Production		No	EPA-HQ-OW-2004-0032-2428
10.39.2	03413	Publication Copyrighted Material	California to Become home of a cellulose-to- ethanol Plant - DCN 03413		1	Chemical Engineering Editorial Staff	08/01/2006	Chemical Engineering, August 2006	Biofuel Production		No	EPA-HQ-OW-2004-0032-2429

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10.39.2	03678	Report	Site Visit Data Sheet for: BOC Gases, 3809 West Calvert Street, South Bend, Indiana 46613 - DCN 03678	Report of visit to industrial user (indirect discharger). Plant purifies carbon dioxide received from adjacent ethanol plant, New Energy Corp.		Durham,Chu ck Tetra Tech, Inc	09/06/2006		Biofuel Production		No	EPA-HQ-OW-2004-0032-2555
10.39.2	03679	Report	Site Visit Data Sheet for: New Energy Corp.3201 West Calvert Street, South Bend, Indiana 46680 - DCN 03679	Report of visit to industrial user (indirect discharger), an ethanol production plant th also produces carbon dioxide by-product piped to a neighboring SIU (BOC Gases). Ethanol production for 2005 was approximately 100 million gallons. Averag process wastewater discharge is 0.8 MGD pretreated in a DAF separator.	je	Durham,Chu ck Tetra Tech, Inc	09/06/2006		Biofuel Production		No	EPA-HQ-OW-2004-0032-2556
10.39.2	03714	Report	Feasibility Report Small Scale Biodiesel Production - DCN 03714		21	Guennewig, Rob		Illinois Waste Management and Research Center, http://www.wmrc.uiuc .edu/main_sections/t ech_assist/small- scale-biodiesel.pdf	Biofuel Production		No	EPA-HQ-OW-2004-0032-2571
10.39.2	03745	Permit, Registration	Missouri Ethanol, LLC NPDES Permit MO0132489 - DCN 03745	MO0132489 - NPDES permit issued to Missouri Ethanol, LLC in Laddonia, Missou on 9/1/06.	11 uri	Missouri, DNR	09/01/2006	http://dnr.missouri.go v/env/wpp/permits/is sued/0132489.pdf			No	EPA-HQ-OW-2004-0032-2595
10.39.2	04082	Letter, Memorandum, Email	Incorporation by Reference: Multimedia Technical Support Document for the Ethanol-for- Fuel Industry, April 1986, EPA-440-1-86-093 - DCN 04082		19	U.S. EPA	11/09/2006	http://nepis.epa.gov/ pubtitleOAR.htm	Biofuel Production		No	EPA-HQ-OW-2004-0032-2702
10.42	01894	Permit, Registration	NPDES Permit, Dow Freeport, TX -DCN 01894		77	Texas Natural Resource Conservation Comm	03/12/2003		Pesticide Chem Mfg, Formulation & Repackaging		No	EPA-HQ-OW-2004-0032-0180

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10.42	01896	Meeting or Teleconference Materials	Dow Chemical Freeport, TX Picloram Releases -DCN 01896		1	Kasenge, Audrey, ERG	05/25/2005		Pesticide Chem Mfg, Formulation & Repackaging		No	EPA-HQ-OW-2004-0032-0182
10.42	01897	Permit, Registration	Fact Sheet & Executive Directors Preliminary Decision for Dow Freeport -DCN 01897		74	Texas Natural Resource Conservation Comm	11/01/2002		Pesticide Chem Mfg, Formulation & Repackaging		No	EPA-HQ-OW-2004-0032-0184
10.42	02264	Support Background	Questions Regarding the Dupont Chamber Works Facility in Deepwater, NJ - DCN 02264		1	Wood, Kenneth, Dupont	05/04/2005		Organic Cher Plastics & Synthetic Fibers (OCPSF)	n, 🗆	No	EPA-HQ-OW-2004-0032-0186
10.42	02266	Letter, Memorandum, Email	Letter to Kenneth N. Wood, Dupont from Carey A. Johnston, P.E., USEPA/OW re: few questions regarding the DuPont Chamber Works facility in Deepwater, NJ - DCN 02266		1	Johnston, Carey A., US EPA	04/05/2005		Organic Cher Plastics & Synthetic Fibers (OCPSF)	n, 🗆	No	EPA-HQ-OW-2004-0032-0187
10.42	02269	Publication USEPA	EPCRA Section 313: Guidance for Reporting Toxic Chemicals: Pesticides and Other Persistent Bioaccumulative Toxi (PBT) Chemicals - DCN 02269		33	US EPA	08/01/2001		Pesticide Chem Mfg, Formulation & Repackaging	 &	No	EPA-HQ-OW-2004-0032-0189
10.42	02271	Publication	Reregistration Eligibility Decision Facts: Picloram - DCN 02271		11		08/01/1995		Pesticide Chem Mfg, Formulation & Repackaging		No	EPA-HQ-OW-2004-0032-0191

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10.42	02272	Publication Copyrighted Material	Farm Chemicals Handbook - DCN 02272		9		01/01/2002		Pesticide Chem Mfg, Formulation & Repackaging		No	EPA-HQ-OW-2004-0032-0193
10.42	02273	Publication	Kaiser fined \$40,000 for PCB Releases - DCN 02273		2	Washington State Department of Ecology	11/23/2004		Pesticide Chem Mfg, Formulation & Repackaging		No	EPA-HQ-OW-2004-0032-0195
10.42	02274	Publication	ToxFAQs for Polychlorinated Biphenyls (PCBs) - DCN 02274		7	Agency for Toxic Substances and Disease	02/01/2001		Pesticide Chem Mfg, Formulation & Repackaging		No	EPA-HQ-OW-2004-0032-0197
10.42	02670	Letter, Memorandum, Email	Letter to Audrey Kasenge, ERG - DCN 02670	Dow Freeport Facility Picloram Releases a Reported in 2002 TRI	as 2	Falcon, Fran Quinlan, DOW	10/26/2005		Pesticide Chem Mfg, Formulation & Repackaging		No	EPA-HQ-OW-2004-0032-2316
10.42	02894	Permit, Registration	NPDES Water Pollution Control Permit WV0000086, Bayer Cropscience Institute, Charleston, WV - DCN 02894	WV0000086 - NPDES permit for Bayer Cropscience Institute, Charleston, WV issued 6/20/02.	148	McClung, Lisa A., WVDEP	06/20/2002	State of West Virginia, Department of Environmental Protection, Division of Water and Waste Management	Pesticide Chem Mfg, Formulation & Repackaging		No	EPA-HQ-OW-2004-0032-1913
10.42	02894A1	Permit, Registration	Permit WV0000086 Fact Sheet, Aventis Cropscience USA LP, Charleston, West Virginia - DCN 02894A1	WV0000086 - NPDES fact sheet for Avent Cropscience USA LP	tis 55	WVDEP		West Virginia, Department of Environmental Protection, Division of Water Resources	Pesticide Chem Mfg, Formulation & Repackaging		No	EPA-HQ-OW-2004-0032-1914

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10.42	03220	Letter, Memorandum, Email	Confidential Business Information: Letter to Ms. Audrey Kasenge, ERG Inc DCN 03220	Dow Chemical company provides respons concerning treatment of wastewater generated from the manufacture of piclora (4-amino-3,5,6-trichloropicolinic acid).		Williams, James B., P.E., Dow	07/17/2006		Pesticide Chem Mfg, Formulation 8 Repackaging		Yes	EPA-HQ-OW-2004-0032-1915
10.42	03979	Other	Herbicide Profile: Picloram - DCN 03979		4	Cornell University		http://extoxnet.orst.e du/pips/picloram.htm			No	EPA-HQ-OW-2004-0032-2655
10.43	01762	Report	Executive Summary, Water Quality Impacts of Discharge from Petroleum Refining Industries - DCN 01762		61				Petroleum Refining		No	EPA-HQ-OW-2004-0032-0199
10.43	01784	Report	A Review of the Pollution Abatement Programs Relating to the Petroleum Refinery Industry in the Great Lakes Basin - DCN 01784		145	Petroleum Refinery Point Source Task Force	11/01/1982		Petroleum Refining		No	EPA-HQ-OW-2004-0032-0201
10.43	01785	Report	Survey of Trace Substances in Canadian Petroleum Industry Effluents -DCN 01785		129	Can Test Limited, IEC International	10/01/1981		Petroleum Refining		No	EPA-HQ-OW-2004-0032-0203
10.43	01787	Letter, Memorandum, Email	Petroleum Refining Industry Study SAIC Project No 01-0830-03-6246-0000 -DCN 01787		7	Langer, Barry S.	04/19/1994		Petroleum Refining		No	EPA-HQ-OW-2004-0032-0209

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10.43	01788	Letter, Memorandum, Email	Petroleum Refing Study 01-0830-03-2248-000 - DCN 01788		61	Langer, Barry S.	10/15/1992		Petroleum Refining		No	EPA-HQ-OW-2004-0032-0211
10.43	01791	Report	EPA-American Petroleum Institute Update Catalytic Reforming and Semi Regenerative Reforming -DCN 01791		39				Petroleum Refining		No	EPA-HQ-OW-2004-0032-0213
10.43	01793	Letter, Memorandum, Email	EPA's 2005 Review of Effluent Guidelines Promulgated Under CWA Section 304(m) -DCN 01793		3	Claff, Roger E.	11/19/2004		Petroleum Refining		No	EPA-HQ-OW-2004-0032-1028
10.43	01903	Meeting or Teleconference Materials	Washington State Petroleum Refineries- DCN 01903		1	Finseth, TJ, ERG	05/18/2005		Petroleum Refining		No	EPA-HQ-OW-2004-0032-0215
10.43	01904	Meeting or Teleconference Materials	Flint Hills PAC Discharges in TRI 2002 -DCN 01904		1	Finseth, TJ, ERG	05/23/2005		Petroleum Refining		No	EPA-HQ-OW-2004-0032-0217
10.43	01905	Meeting or Teleconference Materials	Exxonmobil Joliet Dioxin Discharges in TRI 2002 - DCN 01905		1	Finseth, TJ, ERG	06/02/2005		Petroleum Refining		No	EPA-HQ-OW-2004-0032-0218

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10.43	01906	Meeting or Teleconference Materials	Dioxin Releases From Conoco Philips Wilmington CA to TRI 2002 - DCN 01906		2	Finseth, TJ, ERG	06/13/2005		Petroleum Refining		No	EPA-HQ-OW-2004-0032-0220
10.43	01907	Teleconference	Conoco Philips Lake Charles Dioxin and PACs discharges in TRI 2002 and Sulfide Discharge in PCS 2002 - DCN 01907		1	Finseth, TJ, ERG	05/20/2005		Petroleum Refining		No	EPA-HQ-OW-2004-0032-0221
10.43	01908	Meeting or Teleconference Materials	Calcasieu PACs Discharges in TRI 2002 - DCN 01908		1	Finseth, TJ, ERG	05/31/2005		Petroleum Refining		No	EPA-HQ-OW-2004-0032-0222
10.43	01910	Letter, Memorandum, Email	Chevron Pascagoula TRI Clarfication Letter - DCN 01910		5	Matuszko, Jan EPA	06/09/2005		Petroleum Refining		No	EPA-HQ-OW-2004-0032-0225
10.43	01911	Letter, Memorandum, Email	Chevron El Segundo TRI Clarification Letter - DCN 01911		4	Matuszko, Jan EPA	06/09/2005		Petroleum Refining		No	EPA-HQ-OW-2004-0032-0226
10.43	01924	Letter, Memorandum, Email	Chevron TRI Clarification - DCN 01924		4	Pierce, David, Chevron	07/22/2005		Petroleum Refining		No	EPA-HQ-OW-2004-0032-0232

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10.43	01925	Letter, Memorandum, Email	Chevron Kapolei TRI Clarification Letter - DCN 01925		4	Matuszko, Jan EPA	06/09/2005		Petroleum Refining		No	EPA-HQ-OW-2004-0032-0233
10.43	01957	Letter, Memorandum, Email	Tesoro Northwest Dioxin Discharges in TRI 2002 and Dioxin Data -DCN 01957		7	Finseth, TJ, ERG	06/29/2005		Petroleum Refining		No	EPA-HQ-OW-2004-0032-0238
10.43	02086	Meeting or Teleconference Materials	BP Texas City Sodium Nitrite Discharge in TRI 2002 -DCN 02086		1	Finseth, TJ, ERG	05/25/2005		Petroleum Refining		No	EPA-HQ-OW-2004-0032-0240
10.43	02270	Support Background	Petroleum Supply Annual 2000, Vol. 1, Page 6 - DCN 02270		165	Energy Information Administratio n	06/01/2001		Petroleum Refining		No	EPA-HQ-OW-2004-0032-0242
10.43	02309	Publication Copyrighted Material	Eliminating Chloride Corrosion and Fouling of Reformer Stablizer Columns - DCN 02309		5	F.J. Suarez, Merichem Company	01/01/1999				No	EPA-HQ-OW-2004-0032-0244
10.43	02633	Publication Copyrighted Material	Compliance Strategy for Cyanides in Petroleum Refinery Wastewater: Part 2 NPDES Permitting Strategies - DCN 02633		9	Urban, David B.		Water Environment Federation 8th Annual Industrial Wastes Technical and Regulatory Conference, August 11-14, 2002	Petroleum Refining		No	EPA-HQ-OW-2004-0032-1197

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10.43	02664	Publication Copyrighted Material	Managing Water Pollution - DCN 02664		6	Butcher, Charles	02/01/2006	Chemical Engineering www.CHE.COM, February 2006	Petroleum Refining		No	EPA-HQ-OW-2004-0032-1198
10.43	03134	Publication USEPA	Interim Final Supplement for Pretreatment to the Development Document for the Petroleum Refining Industry Existing Point Source Category - DCN 03134		118		01/01/1977		Petroleum Refining		No	EPA-HQ-OW-2004-0032-1916
10.43	03216	Publication Copyrighted Material	Case Study: First Municipal-Industrial Water Reuse Project In Virginia! - DCN 03216	Hampton Roads Sanitation District (HRSD was created in 1940 to reduce pollution in the Chesapeake Bay. It currently serves a population of approximately 1.6 million wit nine regional wastewater treatment plants Hampton Roads and four smaller plants of Virginia's Middle Peninsula. HRSD set the goal to reuse its treated wastewater for nonpotable purposes in the 1980s. An oil refinery located next to their York River Treatment Plant (YRTP) approached HRS in 1996 to supply reclaimed water for the refinery's cooling and process water.	h in n		07/03/2006	Water Online, http://www.wateronlin e.com/content/news/ article.asp?docid={6 064168d-da29-4b36- 9105- 73366beb2c3b}			No	EPA-HQ-OW-2004-0032-1562
10.43	03556	Speech	Effluent Guidelines and Pretreatment Standards Review and Planning Requirements - DCN 03556	Present to NPRA	17	Matuzko, Jan, USEPA	02/28/2006		Petroleum Refining		No	EPA-HQ-OW-2004-0032-2547
10.43	03770	Meeting or Teleconference Materials	Notes from telephone conversation between Steve Hughes, Valero, and TJ Finseth, Eastern Research Group DCN 03770	Valero Port Arthur Refinery silver, mercury and lead discharges	/, 1	Finseth, TJ, ERG	07/12/2006		Petroleum Refining		No	EPA-HQ-OW-2004-0032-2609

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10.43	03770A1	Letter, Memorandum, Email	Email to Steve Hughes, Valero - DCN 03770A1	EPA Effluent Guidelines Annual Review Data Request. Cover email containing the questions for the Valero Port Arthur Refine silver, mercury, and lead discharges.		Matuszko, Jan, US EPA	07/11/2006		Petroleum Refining		No	EPA-HQ-OW-2004-0032-2609.1
10.43	03770A2	Letter, Memorandum, Email	Letter to Steve Hughes, Valero - DCN 03770A2	EPA Effluent Guidelines Annual Review Data Request. Letter containing the questions for the Valero Port Arthur Refine silver, mercury, and lead discharges.	4 ry	Matuszko, Jan, US EPA	07/11/2006		Petroleum Refining		No	EPA-HQ-OW-2004-0032-2609.2
10.43	03770A3	Letter, Memorandum, Email	Email to TJ Finseth, ERG - DCN 03770A3	EPA Effluent Guidelines Annual Review Data Request. Cover email that contains the answers to EPA's questions for the Valero Port Arthur Refinery.	1	Hughes, Steve, Valero	07/12/2006		Petroleum Refining		No	EPA-HQ-OW-2004-0032-2609.3
10.43	03770A4	Letter, Memorandum, Email	Letter to TJ Finseth, ERG - DCN 03770A4	EPA Effluent Guidelines Annual Review Data Request. This is the letter that Jan Matuszko sent to Valero, but the facility inserted their answers to the questions within the text of the letter.	8	Hughes, Steve, Valero	07/12/2006		Petroleum Refining		No	EPA-HQ-OW-2004-0032-2609.4
10.43	03771	Meeting or Teleconference Materials	Notes from telephone conversation between Heather Chelpaty, Valero, and TJ Finseth, Eastern Research Group - DCN 03771	Valero Delware City Refinery Dioxin and Dioxin-Like Compounds and PACs Discharges	1	Finseth, TJ, ERG	08/07/2006		Petroleum Refining		No	EPA-HQ-OW-2004-0032-2610
10.43	03771A1	Letter, Memorandum, Email	Email to TJ Finseth, ERG - DCN 03771A1	Valero Delaware City Clarification on TRI Reporting. This email contains all of the back and forth coorespondence.	4	Chelpaty, Heather, Valero	08/07/2006		Petroleum Refining		No	EPA-HQ-OW-2004-0032-2610.1

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10.43	03771A2	Letter, Memorandum, Email	Letter to Heather Chelpaty, Valero - DCN 03771A2	Letter that contains EPA's questions for the Valero Delaware City Refinery	e 4	Finseth, TJ, ERG	06/20/2006		Petroleum Refining		No	EPA-HQ-OW-2004-0032-2610.2
10.43	03771A3	Letter, Memorandum, Email	Letter to TJ Finseth, ERG - DCN 03771A3	Delaware City Refinery Calculation Methodologies for Dioxins and PACs in Refinery Effluent Waters. This is an updated version of the letter that was sent on 7/20/06	4	Chelpaty, Heather, Valero	07/27/2006		Petroleum Refining		No	EPA-HQ-OW-2004-0032-2610.3
10.43	03771A4	Letter, Memorandum, Email	Letter to TJ Finseth, ERG - DCN 03771A4	Calculation Methodologies for Dioxins and PACs in Refinery Effluent Waters.	4	Chelpaty, Heather, Valero	07/20/2006		Petroleum Refining		No	EPA-HQ-OW-2004-0032-2610.4
10.43	03771A5	Data	Valero Delaware City 2003 Effluent Dioxins - DCN 03771A5	Contains the dioxin and dioxin-like compound concentration data from the thr different sample collections that the Valero Delaware City refinery conducted in 2003.	)	Valero Delaware City Refinery	09/11/2003		Petroleum Refining		No	EPA-HQ-OW-2004-0032-2610.5
10.43	03771A6	Data	Valero Delaware City 2002-2003 PACs - DCN 03771A6	Contains the PACs concentration data fror the Valero Delaware City refinery effluent f all samples collected during 2002 and 200	or	Valero Delaware City Refinery	10/01/2003		Petroleum Refining		No	EPA-HQ-OW-2004-0032-2610.6
10.43	03772	Meeting or Teleconference Materials	Notes from telephone conversation between 2 Louis Brzuzy, Shell, and TJ Finseth, ERG - DCN 03772	Shell Deer Park Refinery Dioxin and Dioxir Like Compound Discharges	n- 1	Finseth, TJ, ERG	08/30/2006		Petroleum Refining		No	EPA-HQ-OW-2004-0032-2611

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10.43	03772A1	Letter, Memorandum, Email	Email to TJ Finseth, ERG - DCN 03772A1	Shell Deer Park Clarification on TRI Reporting. This email contains the back a forth coorespondence.	5 and	Brzuzy, Louis, Shell	08/03/2006		Petroleum Refining		No	EPA-HQ-OW-2004-0032-2611.1
10.43	03772A2	Letter, Memorandum, Email	Email to TJ Finseth and Meghan Kandle, ERG - DCN 03772A2	Shell Deer Park Complex Dioxin Effluent Concentration Data	1	Brzuzy, Louis, Shell	08/30/2006		Petroleum Refining		No	EPA-HQ-OW-2004-0032-2611.2
10.43	03772A3	Letter, Memorandum, Email	Letter to Louis Brzuzy, Shell - DCN 03772A3	Letter that contains EPA's questions for th Shell Deer Park Refinery.	ie 3	Finseth, TJ, ERG	06/22/2006		Petroleum Refining		No	EPA-HQ-OW-2004-0032-2611.3
10.43	03772A4	Letter, Memorandum, Email	Letter to TJ Finseth, ERG - DCN 03772A4	Letter that contains the Shell Deer Park Refinery's answers to EPA's questions. The answers to the questions are embeded in the letter sent to Shell on 6/22/06.		Brzuzy, Louis, Shell	06/22/2006		Petroleum Refining		No	EPA-HQ-OW-2004-0032-2611.4
10.43	03772A5	Data	Shell Deer Park Dioxin Concentration Data from the Refinery and the Chemical Plant - DCN 03772A5	Contains the raw dioxin and dioxin-like compound concentration data for the Shel Deer Park Refinery and Chemical Plant.	2	Shell Deer Park	04/10/2003		Petroleum Refining		No	EPA-HQ-OW-2004-0032-2611.5
10.43	03772A6	Data	Shell Deer Park Dioxin Calculation - DCN 03772A6	Contains the dioxin concentration data and the facility's calculation of the grams of dioxin discharged from the refinery. This i an updated version of the calculation submitted to EPA on 6/28/06		Shell Deer Park	08/03/2006		Petroleum Refining		No	EPA-HQ-OW-2004-0032-2611.6

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10.43	03772A7	Data	Shell Deer Park Dioxin Calculation - DCN 03772A7	Contains the dioxin concentration data and the facility's calculation of the grams of dioxin discharged from the refinery.	2	Shell Deer Park	06/28/2006		Petroleum Refining		No	EPA-HQ-OW-2004-0032-2611.7
10.43	03773	Meeting or Teleconference Materials	Notes from telephone conversation between Scott Rosin, Tesoro Alaska, and TJ Finseth, ERG - DCN 03773	Dioxin and PAC Discharges Reported to T from Tesoro Alaska	RI 2	Finseth, TJ, ERG	09/07/2006		Petroleum Refining		No	EPA-HQ-OW-2004-0032-2612
10.43	03773A1	Letter, Memorandum, Email	Facsimile to TJ Finseth, ERG - DCN 03773A1	Fax that contains the dioxin concentration data from the 2001 and 2003 wastewater sampling of the catalytic reformer regeneration waste.	10	Rosin, Scott, Tesoro	06/19/2006		Petroleum Refining		No	EPA-HQ-OW-2004-0032-2612.1
10.43	03773A2	Letter, Memorandum, Email	Email to Jan Matuszko, US EPA - DCN 03773A2	Email cover letter of the PACs information from the Tesoro Alaska facility	1	Rosin, Scott, Tesoro	09/07/2006		Petroleum Refining		No	EPA-HQ-OW-2004-0032-2612.2
10.43	03773A3	Data	Tesoro Alaska Form 2-C data - DCN 03773A3	Spreadsheet that the Tesoro Alaska's consultants use to calculate the PACs discharges reported to TRI.	0	Rosin, Scott, Tesoro	10/01/2000		Petroleum Refining		No	EPA-HQ-OW-2004-0032-2612.3
10.43	03774	Data	Valero Port Arthur 2002 PCS data - DCN 03774	The CD contains all of the raw PCS data from the Valero Port Arthur refinery for the year 2002.	0	Valero	01/01/2002		Petroleum Refining		No	EPA-HQ-OW-2004-0032-2613

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10.43	04078	Data	2003 Peak Performance Award Application - DCN 04078	NPDES Permit Requirements and Plant Discharge Performance Results	9	Gulf Coast Waste Disposal Authority			Petroleum Refining		No	EPA-HQ-OW-2004-0032-2701
10.44	02094	Support Background	BioKyowa Expansion -DCN 02094		2	Kelsey, Tom	08/04/2005		Pharmaceuti Manufacturir	cal 🗌 ng	No	EPA-HQ-OW-2004-0032-0944
10.44	02097	Publication	A.I. Processors to Albion Connection -DCN 02097		9	UK Government	08/04/2005		Pharmaceutio Manufacturir		No	EPA-HQ-OW-2004-0032-0248
10.44	02098	Publication	Albion Advanced Nutrition -DCN 02098		2	Albion	08/04/2005		Pharmaceutio Manufacturir		No	EPA-HQ-OW-2004-0032-0249
10.44	02106	Letter, Memorandum, Email	Limits for Pharmaceuticals in Pharmaceutical Manufacturing Wastewater Discharges - DCN 02106		79	Wachinski, Anthony M.	08/18/2005		Pharmaceuti Manufacturir	cal 🗌 ng	No	EPA-HQ-OW-2004-0032-0995
10.44	02125	Letter, Memorandum, Email	E-mail from Steve Caspers, Pretreatment Specialist, State of Kansas, to Carey Johnston, USEPA, Re: UV Interference Questions, Feb 28, 2005		3	Caspers, Steve	02/28/2005		Pharmaceutio Manufacturir		No	EPA-HQ-OW-2004-0032-0992

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10.44	02164	Publication Copyrighted Material	Quali Tech Documentation - DCN 02164		1	Quali Tech	08/04/2005		Pharmaceut Manufacturi		No	EPA-HQ-OW-2004-0032-0255
10.44	02165	Publication Copyrighted Material	Alpharma Documentation - DCN 02165		2	Alpharma	08/04/2005		Pharmaceut Manufacturi		No	EPA-HQ-OW-2004-0032-0257
10.44	02329	Publication	'Switchable' Solvents Could Lead To More Environmentally Friendly Chemical Manufacturing - DCN 02329		2		08/25/2005		Pharmaceut Manufacturi		No	EPA-HQ-OW-2004-0032-0975
10.44	02418	Permit, Registration	NPDES Permit CT0000957 Modification, Pfizer Inc., Groton, CT - DCN 02418	, CT0000957- NPDES permit for Pfizer, Inc.	60	Rocque, Arthur J., Jr, CTDEP	12/07/2000		Pharmaceut Manufacturi		No	EPA-HQ-OW-2004-0032-1199
10.44	02508	Permit, Registration	Commonweath of Virginia, DEQ, Authorization to Discharge Under the VPDES and the Virginia State Water Control Law NPDES VA0002178, Merck & Co., Inc Stonewall Plant - DCN 02508	VA0002178 - NPDES permit for Merck & a Co., Inc.	34	VADEQ	12/03/2001		Pharmaceut Manufacturi		No	EPA-HQ-OW-2004-0032-1200
10.44	02508A1	Permit, Registration	VPDES VA0002178 Fact Sheet Addendum #1, Merck & Co., Inc - Stonewall Plant - DCN 02508A1	VA0002178 - NPDES fact sheet for Merck Co., Inc	& 64	VADEQ	11/01/2001		Pharmaceut Manufacturi		No	EPA-HQ-OW-2004-0032-1201

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10.44	02632	Publication Copyrighted Material	Membrane Biological Reactor System Development for Treatment of High-Strength Industrial Wastewater from a Batch Pharmaceutical Plan - DCN 02632	Aerojet Fine Chemicals LLC (AFC) in Rancho Cordova, California, operates a batch pharmaceutical manufacturing plant with a variable wastewater effluent. To hel meet the new EPA regulations. AFC has installed a process wastewater treatment system with Membrane Biological Reactor (MBR) treatment provided by Envirogen, Ir	þ	Togna, A. Paul	08/01/2002	Water Environment Federation 8th Annual Industrial Wastes Technical and Regulatory Conference, August 11-14, 2002	Pharmaceut Manufacturi		No	EPA-HQ-OW-2004-0032-1202
10.44	02634	Publication Copyrighted Material	Treatment of a Complex Chemical Synthesis Wastewater from a Pharmaceuticals Manufacturer - DCN 02634	Synthetech, Inc. of Albany, Oregon, is an independent U.Sbased supplier of peptide building blocks and specialty amino acids whose products are distributed globally to major pharmaceutical companies for peptide and peptidomimetic drugs. Over 300 nove amino acids/alcohols/esters/amides are available from Synthetech for clinical development as well as commercial purposes. As such, wide ranges of chemicals are used within the production area to synthesize those products. These processes generate wastes that need to be safely and reliably treated. Treatment of such material falls under local POTW code that include the Federal Pharmaceutical Pretreatment Standards. These standards impose BOD and strict VOC limits. Synthetech needed a robust and flexible treatment technology. To accomplish these objectives, the project described here was conceived, developed and implemented.	de I e es	Virnig, Terrence	08/01/2002	Water Environment Federation 8th Annual Industrial Wastes Technical and Regulatory Conference, August 11-14, 2002	Pharmaceut Manufacturi		No	EPA-HQ-OW-2004-0032-1203
10.44	02636	Publication Copyrighted Material	Design of a Stream Stripper/Distillation Process to Treat Pharmaceutical Wastewater - DCN 02636	This paper deals with the design of an innovative pharmaceutical wastewater treatment facility (WWTF), including a stea stripper / distillation process to treat pharmaceutical wastewater for removal of organic compounds prior to discharge to a Publicly Owned Treatment Works (POTW) This wastewater treatment process was constructed to meet the Pharmaceutical Effluent Guidelines for indirect dischargers as defined under 40 CFR Part 439 – Pharmaceutical Manufacturing Point Sourc Category.		Mulles, William	08/01/2002	Water Environment Federation 8th Annual Industrial Wastes Technical and Regulatory Conference, August 11-14, 2002	Pharmaceut Manufacturi		No	EPA-HQ-OW-2004-0032-1204

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10.44	03751	Publication Copyrighted Material	Troubleshooting of Nitification Upsets at Pharmaceutical Wastewater Treatment Plant - DCN 03751	A synthetic pharmaceutical manufacturing facility was experiencing recurring upsets in itrification at its wastewater treatment pla. The main treatment train consisted of trickling filters followed by a conventional activated sludge process with ostensibly adequate treatment capacity (average F/M of 0.1, COD/MLSS-based).	of nt.	Patoczka, Jurek; MacDonald, Hatch Mott	09/01/2006	Chemical Engineering eNewsletter, http://www.uptilt.com/ c.html?rtr=on&s=9ij,n 8qf,1dni,a6rd,xk6,h4 0t,e43t	Pharmaceutic Manufacturir	al <b>⊻</b> g	No	EPA-HQ-OW-2004-0032-2597
10.47	02087	Support Background	Devro Products -DCN 02087		2	Devro	08/05/2005		Plastic Moldir and Forming (PM&F)	ng 🗌	No	EPA-HQ-OW-2004-0032-0259
10.47	02088	Publication Copyrighted Material	Innovia Films Profile -DCN 02088		1	Innovia Films	08/05/2005		Plastic Moldir and Forming (PM&F)	ng 🔽	No	EPA-HQ-OW-2004-0032-0261
10.47	02089	Publication Copyrighted Material	Vikase Companies Homepage -DCN 02089		1	Viskase Companies	08/05/2005		Plastic Moldir and Forming (PM&F)	ng 🔽	No	EPA-HQ-OW-2004-0032-0264
10.47	02092	Support Background	Spontex Products- DCN 02092		1	Spontex Products	08/05/2005		Plastic Moldir and Forming (PM&F)	ng 🗌	No	EPA-HQ-OW-2004-0032-0269
10.47	02493	Permit, Registration	Application for Permit Number AR0036544, Viskase Corporation, Osceola, AR - DCN 02493	AR0036544 - NPDES permit for Viskase Corporation	30	Bennett, Chuck, ARDEQ	12/31/2000		Cellophane Manufacturing	<b></b>	No	EPA-HQ-OW-2004-0032-1205

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10.47	02526	Permit, Registration	Kansas Water Pollution Control Permit and Authorization to Discharge Under the NPDES KS0003204, UCB Films, Inc., Tecumseh, Kansas - DCN 02526	KS0003204 - NPDES permit for UCB Films Inc.	s, 11	Kansas DHE	01/02/2002		Cellophane Manufacturing		No	EPA-HQ-OW-2004-0032-1206
10.47	02532	Permit, Registration	Authorization to Discharge Under the NPDES TN0001457, Viskase Corporation, Loudon, Tennessee - DCN 02532	TN0001457 - NPDES permit Viskase Corporation	33	Davis, Paul E., TNDEC	01/02/2002		Cellophane Manufacturing		No	EPA-HQ-OW-2004-0032-1207
10.47	02533	Permit, Registration	Authorization to Discharge Under the NPDES TN0001571, Spontex Inc., Columbia, Tennessee - DCN 02533	TN0001571 - NPDES permit for Spontex, Inc.	49	Davis, Paul E., TNDEC	02/28/2005		Cellophane Manufacturing		No	EPA-HQ-OW-2004-0032-1208
10.47	02540	Permit, Registration	General NPDES Permit No. ILR00, NPDES, Storm Water Discharges from Industrial Activities - DCN 02540	ILR00 - NPDES general permit	16	Frevert, Toby, IL EPA	05/30/2003		Cellophane Manufacturing		No	EPA-HQ-OW-2004-0032-1209
10.47	02581	Permit, Registration	Kansas Water Pollution Control Permit and Authorization to Discharge Under the NPDES KS0003204, Innovoia Films, Inc., Shawnee County, Kansas - DCN 02581	KS0003204 - NPDES permit for Kansas River, Cellophane plant, issued on 12/5/05.	20	KDHE	12/05/2005		Cellophane Manufacturing		No	EPA-HQ-OW-2004-0032-1210
10.47	02581A1	Other	Permit fact sheet, Innovia Films, Inc., Tecumseh, Kansas - DCN 02581A01	KS0003204 - NPDES permit for Innovia Films, Inc., Cellophane plant, issued on 9/6/05.	17	Agrawal, Om, KDHE	09/06/2005		Cellophane Manufacturing		No	EPA-HQ-OW-2004-0032-1211

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10.47	03228	Meeting or Teleconference Materials	Notes from telephone conversation between Tony Martin, Innovia Films Inc. and Jessica Wolford, ERG - DCN 03228	Discussion of Carbon Disulfide Discharger for Innovia Films Inc.	s 2	Wolford, Jessica, ERG	04/27/2006	Cellophane Manufacturing	g	No	EPA-HQ-OW-2004-0032-2324
10.47	03231	Letter, Memorandum, Email	Memorandum to William Schrock - DCN 03231	Industry Profile of the Cellulose Products Manufacturing Facilities in the U.S. Prepared for USEPA National Emissions Standards for Hazardous Air Pollutants: Cellulose Products Manufacturing	50	Schmidtke, Karen, Holloway, Thomas, MRI	04/11/2000	Cellophane Manufacturing	g	No	EPA-HQ-OW-2004-0032-2326
10.47	03717	Publication USEPA	Federal Register Notice: National Emission Standards for Hazardous Air Pollutants (NESHAP) for Cellulose Products Manufacturing, Final Rule - DCN 03717	"This action promulgates national emission standards for hazardous air pollutants (NESHAP) for cellulose products manufacturing. Cellulose products manufacturing includes both the Miscellaneous Viscose Processes source category and the Cellulose Ethers Production source category."		U.S. EPA	06/11/2002 67 FR 4044	Cellophane Manufacturing	g	No	EPA-HQ-OW-2004-0032-2574
10.47	03718	Publication USEPA	Federal Register Notice: National Emission Standards for Hazardous Air Pollutants (NESHAP) for Cellulose Products Manufacturing, Proposed Rule - DCN 03718	This action proposes national emission standards for hazardous air pollutants (NESHAP) for cellulose products manufacturing. Cellulose products manufacturing includes both the Viscose Processes source category and the Cellulose Ethers source category.	46	U.S. EPA	08/28/2000 67 FR 52166	Cellophane Manufacturing	g	No	EPA-HQ-OW-2004-0032-2575
10.47	03719	Letter, Memorandum, Email	Memorandum to William Schrock, U.S. EPA/OAQPS - DCN 03719	Industry Profile of Cellulose Manufacturing Facilities in the U.S.	g 50	Schmidtke, K., Holloway, T., MRI	04/11/2000	Cellophane Manufacturing	g	No	EPA-HQ-OW-2004-0032-2576
10.47	03720	Letter, Memorandum, Email	Memorandum to William Schrock, U.S. EPA/OAQPS - DCN 03720	Major and Area Sources in the Cellulose Products Manufacturing Industry	7	Holloway, T., Midwest Research Institute	04/11/2000	Cellophane Manufacturing	g	No	EPA-HQ-OW-2004-0032-2577

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10.47	03721	Letter, Memorandum, Email	Memorandum to William Schrock, U.S EPA/OAQPS - DCN 03721	Site Visit Report - UCB Films, Tecumseh, KS; Miscellaneous Cellulose MACT- Cellulose Food Casing Manufacturing, Rayon/Cellophane Production and Cellulos Ether Production (Carboxymethyl and Methyl)	40 se	Midwest Research Institute	05/22/1998		Cellophane Manufacturing	)	No	EPA-HQ-OW-2004-0032-2578
10.47	03722	Publication Copyrighted Material	Cryovac Fresh Food Packing - DCN 03722	Cryovac's manufacturing products	1	Sealed Air Corporation	01/01/1997		Plastic Moldin and Forming (PM&F)	g 🔽	No	EPA-HQ-OW-2004-0032-2579
10.48	01844	Publication Copyrighted Material	All About AGS -DCN 01844		2	AGS Automotive Systems	07/28/2005		Porcelain Enameling		No	EPA-HQ-OW-2004-0032-0271
10.48	01845	Support Background	APV Acquires Alloy Surfaces CO. Chemical Division -DCN 01845		1	APV Engineered Coatings	07/28/2005		Porcelain Enameling		No	EPA-HQ-OW-2004-0032-0272
10.48	01846	Publication Copyrighted Material	American Standard Bathroom Fixtures and Faucets -DCN 01846		1	American Standard Companies	07/28/2005		Porcelain Enameling	V	No	EPA-HQ-OW-2004-0032-0274
10.48	01847	Publication Copyrighted Material	Electrofin Inc. Properties -DCN 01847		1	Electrofin Inc.	07/28/2005		Porcelain Enameling		No	EPA-HQ-OW-2004-0032-0059

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10.48	01848	Publication Copyrighted Material	Astron Inc. Homepage -DCN 01848		1	Astron Inc.	07/28/2005		Porcelain Enameling		No	EPA-HQ-OW-2004-0032-0061
10.48	01849	Support Background	Automatic Processing IncDCN 01849		1	Aztec Galvanizing Services	07/28/2005		Porcelain Enameling		No	EPA-HQ-OW-2004-0032-0065
10.48	01850	Support Background	Autoswage Prods. Inc. Plating -DCN 01850		1	Autoswage Prods. Inc.	07/28/2005		Porcelain Enameling		No	EPA-HQ-OW-2004-0032-0069
10.48	01851	Support Background	Aztec Industries IncDCN 01851		1	Aztec Galvanizing Services	07/28/2005		Porcelain Enameling		No	EPA-HQ-OW-2004-0032-0072
10.48	01852	Support Background	Aztec-Houston-DCN 01852		1	Aztec Galvanizing Services	07/28/2005		Porcelain Enameling		No	EPA-HQ-OW-2004-0032-0077
10.48	01853	Support Background	Aztec-Waskom -DCN 01853		1	Aztec Galvanizing Services	07/28/2005		Porcelain Enameling		No	EPA-HQ-OW-2004-0032-0078

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10.48	01854	Publication Copyrighted Material	Beehler Corp. Homepage -DCN 01854		1	Beehler Corp.	07/28/2005		Porcelain Enameling		No	EPA-HQ-OW-2004-0032-0080
10.48	01855	Publication Copyrighted Material	Boker's Inc. Homepage -DCN 01855		2	Boker's Inc.	07/28/2005		Porcelain Enameling		No	EPA-HQ-OW-2004-0032-0081
10.48	01856	Publication Copyrighted Material	Briggs Industries Products -DCN 01856		1	Briggs Industries Incorporated	07/28/2005		Porcelain Enameling		No	EPA-HQ-OW-2004-0032-0083
10.48	01857	Support Background	Buckee-Mears Homepage -DCN 01857		1	Buckbee- Mears	07/28/2005		Porcelain Enameling		No	EPA-HQ-OW-2004-0032-0085
10.48	01858	Publication Copyrighted Material	Calphalon Corp. Product Search -DCN 01858		1	Calphalon Corp.	07/28/2005		Porcelain Enameling		No	EPA-HQ-OW-2004-0032-0086
10.48	01859	Publication Copyrighted Material	Cathedral Art Metal Co. About Us -DCN 01859		1	Cathedral Art Metal Co.	07/28/2005		Porcelain Enameling		No	EPA-HQ-OW-2004-0032-0088

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10.48	01860	Publication Copyrighted Material	Coatings, Finishes, and Substrates -DCN 01860		1	Centria	07/28/2005		Porcelain Enameling		No	EPA-HQ-OW-2004-0032-0090
10.48	01861	Publication Copyrighted Material	ChemArt Industrial Division -DCN 01861		2	ChemArt	07/28/2005		Porcelain Enameling		No	EPA-HQ-OW-2004-0032-0092
10.48	01862	Publication Copyrighted Material	CFM Companies History -DCN 01862		3	CFM Companies	07/28/2005		Porcelain Enameling		No	EPA-HQ-OW-2004-0032-0093
10.48	01863	Support Background	Coffeyville Re-Con, Inc -DCN 01863		2	Emissionsonl ine.org	07/28/2005		Porcelain Enameling		No	EPA-HQ-OW-2004-0032-0095
10.48	01864	Publication Copyrighted Material	Coating Technologies -DCN 01864		2	The Crown Group	07/28/2005		Porcelain Enameling		No	EPA-HQ-OW-2004-0032-0096
10.48	01865	Publication Copyrighted Material	Cubbison Company Homepage -DCN 01865		1	Cubbison Co.	07/28/2005		Porcelain Enameling		No	EPA-HQ-OW-2004-0032-0097

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10.48	01866	Support Background	Curtis Metal Finishing Co. Homepage -DCN 01866		1	Curtis Metal Finishing Co.	07/28/2005		Porcelain Enameling		No	EPA-HQ-OW-2004-0032-0099
10.48	01867	Support Background	Depor Inds. Inc. Homepage -DCN 01867		1	Depor Inds. Inc.	07/28/2005		Porcelain Enameling		No	EPA-HQ-OW-2004-0032-0101
10.48	01868	Publication Copyrighted Material	Double Eagle Steel -DCN 01868		1	US Steel	07/28/2005		Porcelain Enameling		No	EPA-HQ-OW-2004-0032-0102
10.48	01869	Support Background	Doublecote LLC Our Company -DCN 01869		2	Doublecote LLC	07/28/2005		Porcelain Enameling		No	EPA-HQ-OW-2004-0032-0106
10.48	01870	Support Background	Duncan Group Homepage -DCN 01870		1	The Duncan Group	07/28/2005		Porcelain Enameling		No	EPA-HQ-OW-2004-0032-0109
10.48	01871	Publication Copyrighted Material	Eaton Aerospace Homepage -DCN 01871		3	Eaton Aerospace	07/28/2005		Porcelain Enameling		No	EPA-HQ-OW-2004-0032-0111

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10.48	01872	Support Background	Engineered Solutions: Comlex Metal Components and Assemblies -DCN 01872		11	Eclipse Mfg. Co	07/28/2005		Porcelain Enameling		No	EPA-HQ-OW-2004-0032-0112
10.48	01873	Publication Copyrighted Material	Eyelematic Manfacturing Company IncDCN 01873		2	Cosmetic/Per sonal Care Packaging	07/28/2005		Porcelain Enameling		No	EPA-HQ-OW-2004-0032-0114
10.48	01874	Support Background	About EDI -DCN 01874		2	Eyelet Design Inc.	07/28/2005		Porcelain Enameling		No	EPA-HQ-OW-2004-0032-0116
10.48	01875	Support Background	Fitzgerald Finishing Company Homepage- DCN 01875		2	Fitzgerald Finishing Co.	07/28/2005		Porcelain Enameling		No	EPA-HQ-OW-2004-0032-0118
10.48	01876	Support Background	Foremost Manufacturing Co., Inc. Homepage - DCN 01876		1	Foremost Mfg. Co. Inc.	07/28/2005		Porcelain Enameling		No	EPA-HQ-OW-2004-0032-0136
10.48	01877	Support Background	Forest City Technologies, Inc. Homepage -DCN 01877		1	Forest City Techs. Inc.	07/28/2005		Porcelain Enameling		No	EPA-HQ-OW-2004-0032-0138

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10.48	01878	Publication Copyrighted Material	Valmont Coatings Homepage -DCN 01878		2	Valmont Coatings	07/28/2005		Porcelain Enameling		No	EPA-HQ-OW-2004-0032-0140
10.48	01879	Support Background	Grenada County Industry List 2005 -DCN 01879		5	Grenada County Chamber of Commerce	07/28/2005		Porcelain Enameling		No	EPA-HQ-OW-2004-0032-0143
10.48	01880	Support Background	Heidtman Steel Homepage -DCN 01880		1	Heidtman Steel	07/28/2005		Porcelain Enameling		No	EPA-HQ-OW-2004-0032-0146
10.48	01881	Publication Copyrighted Material	Hendrick Mfg. Capabilities -DCN 01881		2	Hendirck Mfg. Co.	07/28/2005		Porcelain Enameling		No	EPA-HQ-OW-2004-0032-0148
10.48	01882	Publication Copyrighted Material	Hi-Tech Coatings IncDCN 01882		2	Parts Finishing Group	07/28/2005		Porcelain Enameling		No	EPA-HQ-OW-2004-0032-0149
10.48	01883	Publication Copyrighted Material	HUI Manufacturing Company Brochure -DCN 01883		5	HUI Manufacturin g	07/28/2005		Porcelain Enameling		No	EPA-HQ-OW-2004-0032-0150

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10.48	01884	Publication Copyrighted Material	IN-SINK ERATOR (Household Products) -DCN 01884		2	In-Sink Erator	07/28/2005		Porcelain Enameling		No	EPA-HQ-OW-2004-0032-0151
10.48	02016	Publication Copyrighted Material	Company History, Intex Enterprise LLC -DCN 02016		1	Intex Enterprise LLC	07/28/2005		Porcelain Enameling		No	EPA-HQ-OW-2004-0032-0152
10.48	02017	Support Background	Johnson and Hoffman Company Profile - DCN 02017		2	Johnson & Hoffman Mfg. Corp.	07/28/2005		Porcelain Enameling		No	EPA-HQ-OW-2004-0032-0153
10.48	02018	Publication Copyrighted Material	Ken-Ton Mfg. Homepage -DCN 02018		1	Ken-Ton Mfg. Inc	07/28/2005		Porcelain Enameling		No	EPA-HQ-OW-2004-0032-0154
10.48	02019	Support Background	About Kohler CoDCN 02019		2	Kohler Co.	07/28/2005		Porcelain Enameling		No	EPA-HQ-OW-2004-0032-0155
10.48	02020	Support Background	L & J of New England Inc What We Do-DCN 02020		1	L & J of New England Inc.	07/28/2005		Porcelain Enameling		No	EPA-HQ-OW-2004-0032-0156

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10.48	02021	Support Background	About Laird Technologies - DCN 02021		2	Laird Technologies	07/28/2005		Porcelain Enameling		No	EPA-HQ-OW-2004-0032-0157
10.48	02022	Support Background	Material Science Corporation Corporate Background -DCN 02022		1	Material Science Corporation	07/28/2005		Porcelain Enameling		No	EPA-HQ-OW-2004-0032-0158
10.48	02023	Support Background	Metal Prep Homepage -DCN 02023		1	Metal Prep	07/28/2005		Porcelain Enameling		No	EPA-HQ-OW-2004-0032-0159
10.48	02024	Publication Copyrighted Material	Metallics Inc. Capabilities -DCN 02024		1	Metallics Inc.	08/03/2005		Porcelain Enameling		No	EPA-HQ-OW-2004-0032-0160
10.48	02025	Support Background	MetoKote Corporation Homepage -DCN 02025		1	MetoKote Corp.	07/28/2005		Porcelain Enameling		No	EPA-HQ-OW-2004-0032-0161
10.48	02026	Support Background	Mirro Company Homepage -DCN 02026		1	The WearEver Company	07/28/2005		Porcelain Enameling		No	EPA-HQ-OW-2004-0032-0162

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10.48	02027	Publication Copyrighted Material	DynAmerica Manufacturing -DCN 02027		1	TMB Industries	08/03/2005		Porcelain Enameling		No	EPA-HQ-OW-2004-0032-0163
10.48	02028	Publication Copyrighted Material	NordicWare Industrial Operations - Facilities - DCN 02028		1	NordicWare	07/28/2005		Porcelain Enameling		No	EPA-HQ-OW-2004-0032-0164
10.48	02029	Publication Copyrighted Material	The Waterbury Button Company -DCN 02029		1	OGS Techs., Inc.	08/03/2005		Porcelain Enameling		No	EPA-HQ-OW-2004-0032-0166
10.48	02030	Publication Copyrighted Material	Parker Rust-Proof Homepage -DCN 02030		2	Parker Rust- Proof	07/28/2005		Porcelain Enameling		No	EPA-HQ-OW-2004-0032-0168
10.48	02031	Publication Copyrighted Material	The Sylvania Enterprise -DCN 02031		2	Oram Sylvania Prods. Inc.	07/28/2005		Porcelain Enameling		No	EPA-HQ-OW-2004-0032-0170
10.48	02032	Support Background	Photofabrication Engineering Inc. Homepage - DCN 02032		1	Photofabricat ion Eng. Inc.	07/28/2005		Porcelain Enameling		No	EPA-HQ-OW-2004-0032-0173

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10.48	02033	Publication Copyrighted Material	Polar Ware Homepage-DCN 02033		1	Polar Ware Co.	07/28/2005		Porcelain Enameling		No	EPA-HQ-OW-2004-0032-0176
10.48	02034	Publication Copyrighted Material	Praxir Products and Services -DCN 02034		1	Praxir	07/28/2005		Porcelain Enameling		No	EPA-HQ-OW-2004-0032-0181
10.48	02035	Support Background	Precious Plate Florida: A Tradition of Quality - DCN 02035		1	Precious Plate Florida	07/28/2005		Porcelain Enameling		No	EPA-HQ-OW-2004-0032-0183
10.48	02036	Publication Copyrighted Material	Precoat Metals Homepage -DCN 02036		1	Precoat Metals	07/28/2005		Porcelain Enameling	V	No	EPA-HQ-OW-2004-0032-0185
10.48	02037	Support Background	Quality Product Finishing Inc. Homepage -DCN 02037		3	Quality Product Finishing	07/28/2005		Porcelain Enameling		No	EPA-HQ-OW-2004-0032-0188
10.48	02038	Publication Copyrighted Material	Reflections of Downlighting -DCN 02038		2	Bill Brown Sales Co.	08/03/2005		Porcelain Enameling		No	EPA-HQ-OW-2004-0032-0190

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10.48	02039	Publication Copyrighted Material	North American Galvanizing Tulsa Plant -DCN 02039		1	North American Galvanizing Company	08/03/2005		Porcelain Enameling		No	EPA-HQ-OW-2004-0032-0192
10.48	02040	Publication Copyrighted Material	Revere Graphic Worldwide Applications -DCN 02040		2	Revere Graphic Worldwide Inc.	07/28/2005		Porcelain Enameling		No	EPA-HQ-OW-2004-0032-0194
10.48	02041	Publication Copyrighted Material	Roper Corporation -DCN 02041		1	Whirlpool Corporation	08/03/2005		Porcelain Enameling		No	EPA-HQ-OW-2004-0032-0196
10.48	02042	Support Background	Rotor Clip Co. Facilities -DCN 02042		2	Rotor Clip Co. Inc.	07/28/2005		Porcelain Enameling		No	EPA-HQ-OW-2004-0032-0198
10.48	02043	Publication Copyrighted Material	About Ruud Lighting - DCN 02043		2	Ruud Lighting Inc.	07/28/2005		Porcelain Enameling		No	EPA-HQ-OW-2004-0032-0200
10.48	02044	Publication Copyrighted Material	State Industries Inc. Homepage -DCN 02044		2	State Inds. Inc.	08/03/2005		Porcelain Enameling		No	EPA-HQ-OW-2004-0032-0202

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10.48	02045	Publication Copyrighted Material	Steelscape Inc. Homepage -DCN 02045		1	Steelscape Inc.	07/28/2005		Porcelain Enameling		No	EPA-HQ-OW-2004-0032-0204
10.48	02046	Support Background	Stewart EFI LLC Hompeage -DCN 02046		2	Stewart EFI LLC	07/28/2005		Porcelain Enameling		No	EPA-HQ-OW-2004-0032-0205
10.48	02047	Support Background	Stimpson Company Facilities -DCN 02047		1	Stimpson Co. Inc.	07/28/2005		Porcelain Enameling		No	EPA-HQ-OW-2004-0032-0206
10.48	02048	Publication Copyrighted Material	American Trim Locations -DCN 02048		1	American Trim	07/28/2005		Porcelain Enameling		No	EPA-HQ-OW-2004-0032-0207
10.48	02049	Publication Copyrighted Material	Thomas Engineering Company Homepage - DCN 02049		2	Thomas Engineering Co.	08/03/2005		Porcelain Enameling		No	EPA-HQ-OW-2004-0032-0208
10.48	02050	Publication Copyrighted Material	About Tinnerman Palnut Engineered Prod DCN 02050		2	Tinnerman Palnut Engineered Prod. LLC	07/28/2005		Porcelain Enameling		No	EPA-HQ-OW-2004-0032-0210

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10.48	02051	Publication Copyrighted Material	Titan International Heritage - DCN 02051		7	Titan International Inc.	08/03/2005		Porcelain Enameling		No	EPA-HQ-OW-2004-0032-0212
10.48	02052	Publication Copyrighted Material	About Trinity Inds DCN 02052		1	Trinity Inds. Inc	07/28/2005		Porcelain Enameling		No	EPA-HQ-OW-2004-0032-0214
10.48	02053	Publication Copyrighted Material	Truarc Products - DCN 02053		6	Truarc Company LLC	08/03/2005		Porcelain Enameling		No	EPA-HQ-OW-2004-0032-0216
10.48	02054	Publication Copyrighted Material	Truex Inc Homepage -DCN 02054		3	Truex Inc.	07/28/2005		Porcelain Enameling	V	No	EPA-HQ-OW-2004-0032-0219
10.48	02055	Publication Copyrighted Material	Howmet TCC - Branford, CT -DCN 02055		1	Alcoa Inc.	08/03/2005		Porcelain Enameling		No	EPA-HQ-OW-2004-0032-0223
10.48	02056	Publication Copyrighted Material	About the United States Mint -DCN 02056		2	The United States Mint	07/28/2005		Porcelain Enameling		No	EPA-HQ-OW-2004-0032-0231

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10.48	02057	Support Background	Universal Metal Products Company Profile - DCN 02057		1	Universal Metal Products	07/28/2005		Porcelain Enameling		No	EPA-HQ-OW-2004-0032-0234
10.48	02058	Support Background	Vitco Products -DCN 02058		2	Vitco Inc.	08/03/2005		Porcelain Enameling		No	EPA-HQ-OW-2004-0032-0236
10.48	02059	Publication Copyrighted Material	Vollrath Co. History -DCN 02059		1	Vollrath Co. LLC	07/28/2005		Porcelain Enameling		No	EPA-HQ-OW-2004-0032-0239
10.48	02060	Publication Copyrighted Material	W.C. Wood Company Profile -DCN 02060		1	W.C. Wood Co. Inc.	08/03/2005		Porcelain Enameling		No	EPA-HQ-OW-2004-0032-0241
10.48	02061	Publication Copyrighted Material	Wheeling-Pittsburgh Steel Company Overview - DCN 02061		1	Wheeling- Pittsburgh Steel Corp.	07/28/2005		Porcelain Enameling		No	EPA-HQ-OW-2004-0032-0243
10.48	02062	Support Background	Wheeling-Pittsburgh Steel Facilities and Products -DCN 02062		2	Wheeling- Pittsburgh Steel Corp.	08/03/2005		Porcelain Enameling		No	EPA-HQ-OW-2004-0032-0245

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10.48	02063	Publication	Waste*Less*News August 1998 v9i2 Page 2 - DCN 02063		6	Wisconsin Department of Natural Resources	08/03/2005		Porcelain Enameling		No	EPA-HQ-OW-2004-0032-0247
10.48	02064	Publication Copyrighted Material	Wise Alloys Products -DCN 02064		1	Wise Alloys LLC	07/28/2005		Porcelain Enameling		No	EPA-HQ-OW-2004-0032-0250
10.48	02065	Publication Copyrighted Material	Porcelain Enameling Sources Listed Alphabetically -DCN 02065		28	Porcelain Enamel Institute Sources	08/03/2005		Porcelain Enameling		No	EPA-HQ-OW-2004-0032-0251
10.48	02066	Publication	Chemical Processing IncDCN 02066		1	Thomas Publishing Company	08/03/2005		Porcelain Enameling		No	EPA-HQ-OW-2004-0032-0252
10.48	02067	Publication Copyrighted Material	International Metal Prods. Services -DCN 02067		2	International Metal Prods. Corp.	08/03/2005		Porcelain Enameling		No	EPA-HQ-OW-2004-0032-0253
10.48	02091	Publication	Porcelain Enameling Insitute - Appearance Properties-DCN 02091		2	Porcelain Enameling Institute	08/05/2005		Porcelain Enameling		No	EPA-HQ-OW-2004-0032-0254

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10.48	02195	Letter, Memorandum, Email	Identification of Facilities for the Porcelain Enameling Point Source Category - DCN 02195		19	Wolford, Jessica, ERG	08/09/2005		Porcelain Enameling		No	EPA-HQ-OW-2004-0032-0945
10.48	02253	Publication USEPA	Final Development Docment for Effluent Limitations Guidelines and Standards for the Porcelain Enameling Point Source Category - 02253		481	US EPA	11/01/1982		Porcelain Enameling		No	EPA-HQ-OW-2004-0032-0256
10.48	03229	Letter, Memorandum, Email	Memorandum to Public Record for the Effluent Guidelines Program Plan 2005/2006: Meeting Minutes of EPA and Porcelain Enamel Institute (PEI) Discussion of PEI Comments on the Preliminary 2006 Effluent Guidelines Plan (29 March 2006) - DCN 03229	Meeting Minutes of EPA and Porcelain Enamel Institute (PEI) Discussion of PEI Comments on the Preliminary 2006 Efflue Guidelines Plan (29 March 2006)	6 nt	Johnston, Carey A., US EPA	03/30/2006		Porcelain Enameling		No	EPA-HQ-OW-2004-0032-2325
10.48	03716	Letter, Memorandum, Email	Email to Carey Johnston, U.S. EPA - DCN 03716	Fundamental changes in the porcelain enameling industry over the last 20-30 yea with regard to reduced impact on the environment.	1 ars	Hackler,C., Porcelain Enamel Institute	07/07/2006		Porcelain Enameling		No	EPA-HQ-OW-2004-0032-2573
10.49	02107	Letter, Memorandum, Email	Western Michigan Universtiy Pulp and Paper Documents - DCN 02107		7	Wachinski, Anthony M.	08/18/2005		Pulp, Paper & Paperboard	\$ []	No	EPA-HQ-OW-2004-0032-0996
10.5	03713	Letter, Memorandum, Email	Memorandum to Public Record for the Effluent Guidelines Program Plan: Notes from meeting between Rubber Manufacturer's Association (RMA) and Carey Johnston, U.S. EPA, November 10, 2005 DCN 03713	Notes from meeting between Rubber Manufacturer's Association (RMA) and Carey Johnston, U.S. EPA, November 10, 2005	5	Johnston, Carey A., USEPA/OW/ OST	02/08/2006		Rubber Manufacturin	g	No	EPA-HQ-OW-2004-0032-2570

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10.50	02068		Michelin N.A. Ardmore Plant PACs Releases to TRI in 2002 - DCN 02068		1	Wolford, Jessica, ERG	06/09/2005		Rubber Manufacturing		No	EPA-HQ-OW-2004-0032-0258
10.50	02069	Meeting or Teleconference Materials	Cooper Standard Automotive Sodium Nitrite Releases in TRI 2002 -DCN 02069		1	Wolford, Jessica, ERG	06/09/2005		Rubber Manufacturing		No	EPA-HQ-OW-2004-0032-0260
10.50	02070		Avon Automotive Plant 1 Sodium Nitrite Releases inTRI 2002 -DCN 02070		1	Wolford, Jessica, ERG	06/09/2005		Rubber Manufacturing		No	EPA-HQ-OW-2004-0032-0262
10.50	02071		GDX Automotive - New Haven Sodium Nitrite Releases in TRI 2002 -DCN 020701		1	Wolford, Jessica, ERG	06/09/2005		Rubber Manufacturing		No	EPA-HQ-OW-2004-0032-0263
10.50	02072		GDX Automotive - Wabash Sodium Nitrite Releases in TRI 2002 -DCN 02072		2	Wolford, Jessica, ERG	06/09/2005		Rubber Manufacturing		No	EPA-HQ-OW-2004-0032-0265
10.50	02073	Meeting or Teleconference Materials	Press-Seal Gasket Corp. Sodium Nitrite Releases in TRI 2002 -DCN 02073		1	Wolford, Jessica, ERG	06/09/2005		Rubber Manufacturing		No	EPA-HQ-OW-2004-0032-0266

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10.50	02447	Meeting or Teleconference Materials	Notes from telephone conversation between Roland Berg, Tower Automotive Products Co Inc, Corydon, IN and Jessica Wolford, ERG - DCN 02447	Tower Automotive Products Co Inc Corydo Facility Sodium Nitrite Releases inTRI	on 3	Wolford, Jessica, ERG	12/06/2005		Rubber Manufacturing	]	No	EPA-HQ-OW-2004-0032-1212
10.50	03554	Letter, Memorandum, Email	E-mail to Carey Johnston, USEPA, 25 August 2006 - DCN 03554	Michelin PAC reporting	2	Norberg, Tracey J., RMA	08/25/2006		Rubber Manufacturing		No	EPA-HQ-OW-2004-0032-2545
10.52	01337	Support Background	Steam Electric Facilities Reporting Releases of Chlorine to TRI in 2002		1	Johnston, Carey A., US EPA			Steam Electri Power Generation	c 🗌	No	EPA-HQ-OW-2004-0032-1029
10.52	04089	Publication Copyrighted Material	Water Conservation with Closed-Loop, Evaporative Cooling for Process, Power Applications - DCN 04089	Water availability, restrictions and quality are increasingly important considerations i facility design and operation. Closed-loop, evaporative cooling is a cost-effective hea transfer technology that also optimizes scarce water resources.		Demakos, Peter		Industrial WaterWorld, September 2006, http://ww.pennnet.co m/display_article/276 173/64/ARTCL/none/ none/Water_Conserv	Steam Electri Power Generation	c 🔽	No	EPA-HQ-OW-2004-0032-2703
10.52	04090	Speech	Water (Resource) Conservation Using Closed- Loop, Evaporative Cooling Systems For Power Plant Applications - DCN 04090		42	Demakos, Peter		Energy-Water Needs Workshop - Eastern Region, Baltimore, Md., December 2005, www.sandia.gov/ene rgy-			No	EPA-HQ-OW-2004-0032-2704
10.54	01768	Permit, Registration	NPDES Permit No. SC0043419 DMC Prints/Fashion Fabrics Plant Orangeburg County letter and permit -DCN 01768		29	Sadler, Marion F.	09/01/1999		Textile Mills		No	EPA-HQ-OW-2004-0032-0267

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10.54	01801	Permit, Registration	Fact Sheet for NPDES Permit NC0005312 - DCN 01801		6	North Carolina Division of Water Quality	03/01/2005		Textile Mills		No	EPA-HQ-OW-2004-0032-0268
10.54	02624	Permit, Registration	NPDES Permit SC0002704 for Discharge to Surface Waters, Galey & Lord Industries, Inc., Society Hill Plant, South Carolina - DCN 02624	SC0002704 - NDPES permit for Galey & Lord Industries, Inc.	77	Sadler, Marion, SCDHEC	07/01/2001		Textile Mills		No	EPA-HQ-OW-2004-0032-1213
10.54	02631	Permit, Registration	NPDES Permit No. GA0024104, Mohawk Industries, Inc., Lyerly Plant - DCN 02631	GA0024104 - NPDES Permit Mohawk Industries, Inc.	17	Reheis, Harold F., GADNR	08/28/2002		Textile Mills		No	EPA-HQ-OW-2004-0032-1214
10.54	02734	Permit, Registration	NPDES Permit, Galey & Lord Industries, Inc./Society Hill Plant, South Carolina - DCN 02734		65	Sadler, Marion F.			Textile Mills		No	EPA-HQ-OW-2004-0032-1917
10.54	03980	Permit, Registration	Permit to Discharge Wastewater Under the NPDES NC0043320 - Burlington Industries, Inc DCN 03980	NC0043320	9	NCDENR	08/09/2004		Textile Mills		No	EPA-HQ-OW-2004-0032-2656
10.55	01449	Letter, Memorandum, Email	Review of Science Advisory Board Document on Pentachloraphenol - DCN 01449		5	Strier, Murray P., EPA	12/29/1978		Wood Preserving		No	EPA-HQ-OW-2004-0032-0270

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10.55	01470	Letter, Memorandum, Email	E-mail Communication from Carl Johnson, Executive Director, Southern Pressure Treaters Association, to Carey Johnston, USEPA, "Data to document wood treater industry trends." - 01470		3	Johnson, Carl, ED, SPTA	01/12/2005		Timber Products Processing		Yes	EPA-HQ-OW-2004-0032-0273
10.55	01473	Publication Copyrighted Material	Guidance Document for the Calculation of Releases for the TRI Inventory, Form R: Pentachlorophenol Wood Treaters		121	H.M. Rollins Company, Gulfport MS	04/15/2002		Wood Preserving		No	EPA-HQ-OW-2004-0032-0275
10.55	01474	Publication Copyrighted Material	COAL TAR CREOSOTE: Concise International Chemical Assessment Document 62 - 01474		149	International Programme on Chemical Safety	01/01/2004				No	EPA-HQ-OW-2004-0032-0276
10.55	01573	Meeting or Teleconference Materials	Use of Wood Preservatives for Utility Poles - 01573		4	Johnston, Carey A., US EPA	03/08/2005				No	EPA-HQ-OW-2004-0032-0278
10.55	01726	Report	Creosote, its Use as a Wood Preservative in the Railroad Transportation Industry with Environmental Considerations - DCN 01726		15	David A. Webb, Chairman, Railway Tie Assc	01/01/2001		Timber Products Processing		No	EPA-HQ-OW-2004-0032-0279
10.55	01735	Letter, Memorandum, Email	Additional Creosote Storm Water Data- DCN 01735		2	Johnston, Carey A., US EPA	05/27/2005		Wood Preserving		No	EPA-HQ-OW-2004-0032-0281

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10.55	01783	Letter, Memorandum, Email	Creosote Wood Treating Industry, Study of Polycylic Aromatic Compounds in Storm Water Runoff -DCN 01783		13	H.M. Rollins Company, Inc.	04/29/2005		Timber Products Processing		No	EPA-HQ-OW-2004-0032-0294
10.55	01792	Letter, Memorandum, Email	Effluent Guidelines Program -DCN 01792		3	Johnson, Carl	10/11/2004		Wood Preserving		No	EPA-HQ-OW-2004-0032-0296
10.55	01799	Letter, Memorandum, Email	Creosote Wood Treating Industry Storm Water Runoff Study Conducted on Behalf of the Southern Pressure Treaters Association and Creosote Council III -DCN 01799		6	Rollins, H. M.	05/26/2005		Timber Products Processing		No	EPA-HQ-OW-2004-0032-0301
10.55	01953	Support Background	Wood Preserving TRI 2001 AND 2002 Dioxin Data -DCN 01953		3	Estreicher, Herb, Keller and Heckman	11/19/2004		Wood Preserving		No	EPA-HQ-OW-2004-0032-0304
10.55	01954	Letter, Memorandum, Email	TWPEs for Dioxin/Furan Releases from SIC Code 2491 Facilities -DCN 01954		5	Estreicher, Herb, Keller and Heckman	10/01/2004		Wood Preserving		No	EPA-HQ-OW-2004-0032-0305
10.55	01955	Letter, Memorandum, Email	November 18, 2004 Meeting between EPA and Wood Preserving Industry Representatives - DCN 01955		5	Johnston, Carey A., US EPA	11/18/2004		Wood Preserving		No	EPA-HQ-OW-2004-0032-0306

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10.55	01956	Letter, Memorandum, Email	TWPE for PAC Releases Associated with Creosote Wood Preserving Facilities in SIC Code 2491 -DCN 01956		2	Johnson, Carl, Southern Pressure Treaters	10/08/2004		Wood Preserving		No	EPA-HQ-OW-2004-0032-0307
10.55	02077	Letter, Memorandum, Email	Letter to Carey A. Johnston, PE Environmental Engineer, USEPA/OW from Martin Rollins, PE., H. M. Rollins Company, Inc, re: Creosote Wood Treating Industry Storm Water Runoff Study Conducted on Behalf of the Southern Pressure Treaters Association and Creosote Council III - DCN 02077		9	Rollins, Martin, H.M. Rollins Company	05/27/2005		Wood Preserving		No	EPA-HQ-OW-2004-0032-0308
10.55	02078	Letter, Memorandum, Email	Creosote Industry From R Guidance -DCN 02078		4	Rollins, Martin, H.M. Rollins Company	05/25/2005		Wood Preserving		No	EPA-HQ-OW-2004-0032-0310
10.55	02079	Report	Wood Preserving Creosote Storm Water Report and Presentation -DCN 02079		18	Rollins, Martin, H.M. Rollins Company	05/04/2005		Wood Preserving		No	EPA-HQ-OW-2004-0032-0317
10.55	02080	Letter, Memorandum, Email	Wood Treater Industry Trends -DCN 02080		3	Johnston, Carey A., US EPA	05/04/2005		Wood Preserving		No	EPA-HQ-OW-2004-0032-0277
10.55	02083	Support Background	Revised TWPEs for Dioxin/Furan Releases from SIC Code 2491 Wood Preserving Facilities -DCN 02083		31	Estreicher, Herb, Keller and Heckman	05/31/2005		Wood Preserving		No	EPA-HQ-OW-2004-0032-0288

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10.55	02084	Letter, Memorandum, Email	Effluent Guidelines Program: Creosote Issue - DCN 02084		1	Johnson, Carl, Southern Pressure Treaters	12/20/2004		Wood Preserving		No	EPA-HQ-OW-2004-0032-0290
10.55	02085	Letter, Memorandum, Email	Wood Preserving Sampling Protocol -DCN 02085		8	Johnson, Carl, Southern Pressure Treaters	12/21/2004		Wood Preserving		No	EPA-HQ-OW-2004-0032-0293
10.6	03580	Publication Copyrighted Material	Cost Effective Membrane System Meeting New EPA Regulations - DCN 03580		4	Jordan, Tim		Industrial WaterWorld, http://ww.pennnet.co m/Articles/Article_Dis play.cfm?Section=A RTCL&ARTICLE_ID =268752&VERSION	Centralized Waste Treater	S ►	No	EPA-HQ-OW-2004-0032-2548
11.0	01634	Support Background	Missouri State Operating Permit, MO0002411 - DCN 01634		9	Mahford, Stephen, Dept of Natural Resource	03/05/2004		Construction Products		No	EPA-HQ-OW-2004-0032-0319
11.0	01734	Publication Copyrighted Material	Parking Lot Sealcoat: An Unrecognized Source of Urban Polycyclic - DCN 01734		4	Barbara J. Mahler, et al	06/01/2005		Stormwater		No	EPA-HQ-OW-2004-0032-0320
11.4	01732	Letter, Memorandum, Email	Food Processor Adopts Compliance Plan to Settle Citizen Suit Over Discharges -DCN 01732		2		05/26/2005		Food Service Establishment	s	No	EPA-HQ-OW-2004-0032-0321

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11.4	02250	Document	Draft Development Document for Effluent Limitations Guidelines and New Source Performance Standards Addendum for the Hydrolyzed Vegetable Protein Segment of the Miscellaneous Foods and Beverages Point Source Category - 02250		104	US EPA	05/01/1975		Fruits and Vegetable Processing		No	EPA-HQ-OW-2004-0032-1035
11.4	02251	Study	Economic Impact Analysis of Effluent Guidelines Miscellaneous Foods and Beverages Industry Volume I: Edible Oil Industries - 02251		192	US EPA	10/01/1976		Edible Oil Industries		No	EPA-HQ-OW-2004-0032-0322
11.4	02252	Report	Guidance Economic Impact Analysis for the Miscellaneous Foods and Beverages Industry Volume III: Bakery and Confectionary Industries - DCN 02252		250	US EPA	06/01/1978		Bakery and Confectionery Industries	,	No	EPA-HQ-OW-2004-0032-0997
11.4	02326	Publication Copyrighted Material	Frost & Sullivan: Water Treatment is Food & Beverage Market to Grow by 50 % - DCN 02326		2		04/13/2005		Food Service Establishmen		No	EPA-HQ-OW-2004-0032-0323
11.4	02445	Other	Discharge Monitoring Data on Soft Drink and Bottled Water Plants - DCN 02445		8	Parnell, Dan, Industrial Pretreatment, JEA			Miscellaneous Foods and Beverages	s 🗌	No	EPA-HQ-OW-2004-0032-1215
11.4	02611	Publication Copyrighted Material	Wine into Wastewater: High Growth Wineries Acquire a Taste for Fine, Innovative, Cost- Efficient On-Site Wastewater Treatment Solutions - DCN 02611		4	Wasson, Carol		Onsite Water Treatment - http://www.gradingan dexcavation.com/ow _0511_wine.html	Miscellaneous Foods and Beverages	5	No	EPA-HQ-OW-2004-0032-1216

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11.4	02613	Publication Copyrighted Material	Anaerobic Alchemy: Innovative System Transforms Food Processors' Waste Streams Into Clean Energy - DCN 02613		8	Christine Va Lenten	12/01/2005	Onsite Water Treatment - http://www.gradingan dexcavation.com/ow _0511_anaerobic.ht ml (accessed 2/10/06)	Food Service Establishmen		No	EPA-HQ-OW-2004-0032-1217
11.4	02643	Publication Copyrighted Material	Flow Equalization, Hydrolysis and Nutrient Imbalance: A Case Study of a Snack Food Industrial Wastewater Treatment Plant - DCN 02643		16	Wenjun Liu	08/01/2002	Water Environment Federation 8th Annual Industrial Wastes Technical and Regulatory Conference, August 11-14, 2002	Miscellaneou Foods and Beverages	s 🔽	No	EPA-HQ-OW-2004-0032-1218
11.4	03577	Publication Copyrighted Material	Compact, Onsite MBRs Growing in Food and Beverage Industry - DCN 03577		3	Novachis, Lawrence	08/01/2006	Industrial WaterWorld, http://ww.pennnet.co m/Articles/Article_Dis play.cfm?Section=A RTCL&ARTICLE_ID =268792&VERSION		s 🔽	No	EPA-HQ-OW-2004-0032-2414
11.4	03885	Publication Copyrighted Material	Sub-Sectoral Environmental Guidelines - DCN 03885	Sub-sectoral environmental guidelines for alcoholic beverages, confectionaries, grain mill products, nonalcoholic beverages, sugar, bakeries and other miscellaneous foods and beverages.		European Bank for Reconstructio n and Dev.		http://www.ebrd.com/ about/policies/enviro/ sectoral/food.pdf	Miscellaneou Foods and Beverages	s 🗹	No	EPA-HQ-OW-2004-0032-2416
11.4	03886	Publication Copyrighted Material	Fact Sheet 6: Food Manufacturing Series - DCN 03886	UNEP wastewater information on the general bakery process.	4	UNEP	10/01/2004	http://www.gpa.uq.ed u.au/CleanProd/Res/ facts/FACT6.htm	Miscellaneou Foods and Beverages	s 🗹	No	EPA-HQ-OW-2004-0032-2417
11.4	03887	Publication Copyrighted Material	Chemcial-Free Food Processing Treatment Applications - DCN 03887	Information on food processing, water usage, and wastewater discharge.	12	Triangular Wave Technologies , Inc		http://www.triangular wave.com/h12.htm	Miscellaneou Foods and Beverages	s 🔽	No	EPA-HQ-OW-2004-0032-2418

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11.4	03888	Letter, Memorandum, Email	Memorandum to 2006 Effluent Guidelines Plan Record: Discusses telephone conversations with John Chang-Chen, U.S. EPA Region II, about high sulfide discharges from Bacardi Corporation DCN 03888	Discusses telephone conversations with John Chang-Chen, U.S. EPA Region II, about high sulfide discharges from Bacard Corporation.	1	Matuszko, Jan, U.S. EPA	09/07/2006		Distilled and Blended Liquors		No	EPA-HQ-OW-2004-0032-2430
11.4	03889	Letter, Memorandum, Email	Email to John Chang-Chen, U.S. EPA Region II - DCN 03889	Discusses high sulfide discharges from the Bacardi Corporation	e 1	Matuszko, Jan, U.S. EPA	08/19/2006		Distilled and Blended Liquors		No	EPA-HQ-OW-2004-0032-2431
11.4	04116	Letter, Memorandum, Email	Memorandum to Public Record for the 2006 Effluent Guidelines Program Plan EPA Docket No. OW-2004-0032 - Incorporation by Reference: University of Georgia Engineering Outreach Service Publications on Biofuels, Food Processing and Miscellaneous Foods Manufacturing, and Pulp and Paper - DCN 04116		2	Johnston, Carey, EPA EAD	12/14/2006	(http://www.engr.uga. edu/service/outreach )	Miscellaneou Foods and Beverages	s 🗌	No	EPA-HQ-OW-2004-0032-2744
11.4	04133	Publication Copyrighted Material	Build Your Own Treatment Plant—or Pay The City - DCN 04133		6	Engle, David	09/01/2006	Onsite Water Treatment (http://www.onsitewat er.com/ow_0609_toc .html)	Miscellaneou Foods and Beverages	s 🔽	No	EPA-HQ-OW-2004-0032-2745
11.4.1	04086	Publication USEPA	Caribbean Rum Study, Effect of Distillery Wastes on the Marine Environment - DCN 04086	Report to Congress: The rum industry and rum distillery wastes in Puerto Rico and the Virgin Islands: Effects on the marine environment and treatement options.	200 e	Office of Research & Development	04/01/1979	EPA-95-830	Miscellaneou Foods and Beverages	s 🗌	No	EPA-HQ-OW-2004-0032-2716
11.4.1	04087	Study	Development Document for Effluent Limitations Guidelines and New Source Performance Standards, Miscellaneous Foods and Beverages Point Source Category - DCN 04087	This document present the findings of an extensive study of the Miscellaneous Food and Beverages Point Source Category	1600 s	Environment al Science and Engineering, Inc	02/01/1975		Miscellaneou Foods and Beverages	s 🗌	No	EPA-HQ-OW-2004-0032-2717.3

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11.4.2	04083	Publication Copyrighted Material	KMS PURON submerged modules significantly increase capacity of malting plant - DCN 04083		3	Koch Membrane Systems	10/24/2006	WaterWorld, http://ww.pennnet.co m/Articles/Article_Dis play.cfm?ARTICLE_I D=275561&p=41&pc =ENL (accesed on 10/24/2006)	Miscellaneou Foods and Beverages	s 🔽	No	EPA-HQ-OW-2004-0032-2759
11.4.4	02966	Letter, Memorandum, Email	Memorandum to James Covington, EPA - Request for Clarification of Scope of Proposed "Miscellaneous Food and Beverage" Category - DCN 02966	Request for Clarification of Scope of Proposed "Miscellaneous Food and Beverage" Category	9	Cadillac, I., Kaplan, M.	01/13/2006	Memorandum to James Covington, EPA	Miscellaneou Foods and Beverages	s 🗌	No	EPA-HQ-OW-2004-0032-1918
11.4.4	02979	Economic Analysis	Definition of SIC code 5144 - DCN 02979	Poultry and Poultry Products	2	U.S. Census Bureau	06/27/2000	U.S. Census Bureau. <http: www.census.<br="">gov/epcd/ec97sic/def /F5144.TXT&gt;</http:>	Miscellaneou Foods and Beverages	s 🗌	No	EPA-HQ-OW-2004-0032-1919
11.4.4	02980	Economic Analysis	Definition of SIC code 5182 - DCN 02980	Wine and Distilled Alcoholic Beverages	1	U.S. Census Bureau	06/27/2000	U.S. Census Bureau. <http: www.census.<br="">gov/epcd/ec97sic/def /F5182.TXT&gt;</http:>	Miscellaneou Foods and Beverages	s 🗌	No	EPA-HQ-OW-2004-0032-1920
11.4.4	02981	Economic Analysis	1997 Economic Census: Bridge Between SIC and NAICS. SIC Manufacturing. SIC 20: Food and Kindred Products - DCN 02981		11	U.S. Census Bureau	06/27/2000	U.S. Census Bureau. <http: www.census.<br="">gov/epcd/ec97brdg/E 97B2_20.HTM#D201 1&gt;</http:>	Miscellaneou Foods and Beverages	s 🗌	No	EPA-HQ-OW-2004-0032-1921
11.4.4	02982	Letter, Memorandum, Email	Memorandum to James Covington, EPA, SICs 5144 and 5182 Should Not Be In The "Miscellaneous Food and Beverage" Category - DCN 02982		3	Kaplan, Maureen, ERG	01/16/2006	Memorandum to James Covington, EPA	Miscellaneou Foods and Beverages	s 🗌	No	EPA-HQ-OW-2004-0032-1922

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11.4.4	02983	Data	Envirofacts: Michael Foods - DCN 02983	Search on Name beginning with "Michael Foods" and Zipcode="50851"	5	U.S. Environment al Protection Agency	01/16/2006	U.S. Environmental Protection Agency. Envirofacts Data Warehouse. <http: oaspub.epa.g<br="">ov/enviro/fii_master.fi i_retrieve&gt;</http:>	Miscellaneou Foods and Beverages	s 🗌	No	EPA-HQ-OW-2004-0032-1923
11.4.4	02984	Data	Envirofacts: Mountaire of Delmarva - DCN 02984	Search on Name beginning with "Montaire of Delmarva" and Zipcode="19975"	e 6	U.S. Environment al Protection Agency	01/16/2006	U.S. Environmental Protection Agency. Envirofacts Data Warehouse. <http: oaspub.epa.g<br="">ov/enviro/fii_master.fi i_retrieve&gt;</http:>	Miscellaneou Foods and Beverages	s 🗌	No	EPA-HQ-OW-2004-0032-1924
11.4.4	02985	Data	Envirofacts: Medley Company - DCN 02985	Search on Name beginning with "William Medley & Associates" and Zipcode="4237	4 75"	U.S. Environment al Protection Agency	01/16/2006	U.S. Environmental Protection Agency. Envirofacts Data Warehouse. <http: oaspub.epa.g<br="">ov/enviro/fii_master.fi i_retrieve&gt;</http:>	Miscellaneou Foods and Beverages	s 🗌	No	EPA-HQ-OW-2004-0032-1925
11.4.4	02987	Data	Envirofacts: Jack & John LLC - DCN 02987	Search on Name beginning with "Jack & John" and Zipcode="41605"	19	U.S. Environment al Protection Agency	01/16/2006	U.S. Environmental Protection Agency. Envirofacts Data Warehouse. <http: oaspub.epa.g<br="">ov/enviro/fii_master.fi i_retrieve&gt;</http:>	Miscellaneou Foods and Beverages	s 🗌	No	EPA-HQ-OW-2004-0032-1926
11.4.4	03055	Data	Kentucky Watershed Viewer - DCN 03055	Floyd County	3	State of Kentucky	01/16/2006	State of Kentucky. <http: map.nr.state.k<br="">y.us/website/watersh edsz/viewer.htm?Acti veLayer=county&amp;Qu ery=NAME='FLOYD' &amp;QueryZoom=Yes&gt;</http:>		s 🗌	No	EPA-HQ-OW-2004-0032-1927
11.4.4	03056	Data	Company Profile: Absher Enterprises - DCN 03056		1	infoUSA.com	01/16/2006	InfoUSA. <http: www.infousa.<br="">com&gt;</http:>	Miscellaneou Foods and Beverages	s 🗌	No	EPA-HQ-OW-2004-0032-1975

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11.4.4	03057	Letter, Memorandum, Email	One more thing about Misc Foods and Beverages - DCN 03057	SICs 5144 and 5182	4	Matuszko, Jan EPA	04/18/2006	E-mail from Jan Matuszko, EPA to Maureen Kaplan, ERG and James Covington, EPA	Miscellaneou Foods and Beverages	s 🗌	No	EPA-HQ-OW-2004-0032-1928
11.4.4	03058	Letter, Memorandum, Email	Memorandum to James Covington, EPA - Food and Beverage Industry: Number of Facilities, Companies, and Small Businesses - DCN 03058		6	Erdem, Seda and Kaplan, M. ERG	05/02/2006		Miscellaneou Foods and Beverages	s 🗌	No	EPA-HQ-OW-2004-0032-1945
11.4.4	03059	Publication Other Government	General Summary: 2002. 2002 Economic Census. Manufacturing Subject Series. Table 2: Industry Statistics for Industry Groups and Industries DCN 03059		128	U.S. Census Bureau	10/31/2005	U.S. Census Bureau. <http: www.census.<br="">gov/prod/ec02/ec023 1sg1.pdf&gt;</http:>	Miscellaneou Foods and Beverages	s 🗌	No	EPA-HQ-OW-2004-0032-1948
11.4.4	03060	Publication Other Government	County Business Patterns: 2003. United States - DCN 03060	Extracted from Censtats database. CSV format.	77	U.S. Census Bureau	05/01/2006	U.S. Census Bureau. <http: censtats.cens<br="">us.gov/cgi- bin/cbpnaic/cbpsel.pl &gt;</http:>	Miscellaneou Foods and Beverages	s 🗌	No	EPA-HQ-OW-2004-0032-1950
11.4.4	03061	Publication Other Government	Small Business Size Standards Used to Define Small Business Concerns, 13 CFR 121.201. January, 2006 - DCN 03061		25	Small Business Administratio n.	01/01/2006	Code of Federal Regualtions <http: www.access.g<br="">po.gov/nara/cfr/waisi dx_06/13cfr121_06.h tml&gt;</http:>	Miscellaneou Foods and Beverages	s 🗌	No	EPA-HQ-OW-2004-0032-1951
11.4.4	03062	Data	Employer Firms, & Employment by Employment Size of Firm by NAICS Codes, 2003 - DCN 03062	Sheet us_03_n6	0	Small Business Administratio n.	04/20/2006	Small Business Administration. <http: <br="" www.sba.gov="">advo/research/us_03 _n6.pdf and http://www.sba.gov/a dvo/research/data_u</http:>	Miscellaneou Foods and Beverages	s 🗌	No	EPA-HQ-OW-2004-0032-1952

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11.5	02838	Publication Other Government	Governor Riley Issues Statement on Withdrawal of Open Loop LNG Proposal - DCN 02838		2	Riley, Bob, Governor of Alabama	06/12/2006	http://www.governorp ress.alabama.gov/pr/ pr-2006-06-09-03- withdrawalopenloopl ng.asp (accessed June 12, 2006)			No	EPA-HQ-OW-2004-0032-1954
11.5	02839	Publication Copyrighted Material	Energy Firms Turn to Pipelines, In Bet Gas Ports Won't Happen - DCN 02839		2	Gold, Russell	06/12/2006	Wall Street Journal, Page A8, Wall Street Journal Online	Liquefied Natural Gas Import Terminals		No	EPA-HQ-OW-2004-0032-1564
11.5	02842	Publication Copyrighted Material	Europe and Asia may attract most winter LNG cargoes - DCN 02842		1	Bloomberg News	06/01/2006	Gulf Times, http://www.gulf- times.com/site/topics /printArticle.asp?cu_ no=2&item_no=9108 7&version=1&templa te_id=48&parent_id=	Liquefied Natural Gas Import Terminals		No	EPA-HQ-OW-2004-0032-1565
11.5	02843	Publication Copyrighted Material	The LNG Question: Does Liquefied Natural Gas Have a Viable Future in Maine? - DCN 02843		5	Trotter, Bill, Bangor Daily News	06/10/2006	Bangor Daily News, http://www.bangorne ws.com/news/templa tes/?a=135666 (accessed June 10, 2006)	Liquefied Natural Gas Import Terminals		No	EPA-HQ-OW-2004-0032-1566
11.5	02844	Publication Copyrighted Material	Siting Critical Energy Infrastructure: An Overview Of Needs And Challenge - DCN 02844		55	National Commission On Energy Policy	06/01/2006	National Commission On Energy Policy, http://www.energyco mmission.org/files/co ntentFiles/Siting%20 Critical%20Energy%	Liquefied Natural Gas Import Terminals		No	EPA-HQ-OW-2004-0032-1569
11.5	02846	Meeting or Teleconference Materials	Statement of FERC Chairman Joseph T. Kelliher on FERC's Authorization of Three New Liquefied Natural Gas (LNG) Import Terminals and Exapansions of Two Existing LNG Import Terminals facilities - DCN 02846		1	Kelliher, Joseph T., FERC	06/15/2006	http://www.ferc.gov/p ress- room/statements/kelli her/2006/06-15-06- kelliher-C-4.pdf	Liquefied Natural Gas Import Terminals		No	EPA-HQ-OW-2004-0032-1957

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11.5	03047	Publication Copyrighted Material	Notes from Oil and Gas Journal Online webcast: 'The North American as Shortages LNG the Answer? - DCN 03047 American as ShortageIs LNG the Answer?' - DCN 03047		28	Johnston, Carey A., US EPA	06/29/2006		Liquefied Natural Gas Import Terminals		No	EPA-HQ-OW-2004-0032-1570
11.5	03152	Publication Copyrighted Material	New Middle East order adds to Alfa Laval's success in liquid natural gas facilities - DCN 03152		2		06/15/2006	http://www.alfalaval.c om/ecoreJava/WebO bjects/ecoreJava.wo a/wa/showNode?site NodeID=8959&conte ntID=- 1&languageID=85&i	Natural Gas Import		No	EPA-HQ-OW-2004-0032-1571
11.5	03157	Letter, Memorandum, Email	Letter to Commandant, US Coast Guard ConocoPhillips Withdrawal of Compass Port LNG Import Terminal Deepwater Port License Application - DCN 03157		1	S. L. Cornelius, ConocoPhilli ps'	06/08/2006		Liquefied Natural Gas Import Terminals		No	EPA-HQ-OW-2004-0032-1942
11.5	03158	Letter, Memorandum, Email	Email to Keith Lesnick of DOT, Mark Prescott of EPA, Greg Peck of EPA, and Chase Hutto: ConocoPhillips Press Release: ConocoPhillips Withdraws Compass Port Deepwater Port Act License Application - DCN 03158		2	Jim Godlove, ConocoPhilli ps	06/09/2006		Liquefied Natural Gas Import Terminals		No	EPA-HQ-OW-2004-0032-1984
11.5	03203	Publication Copyrighted Material	LNG Observer - DCN 03203		30	Oil and Gas Journal	07/01/2006	Oil and Gas Journal, July-September 3, No. 3 (2006)	Liquefied Natural Gas Import Terminals		No	EPA-HQ-OW-2004-0032-1573
11.5	03267	Publication USEPA	EPA's Liquefied Natural Gas Regulatory Roadmap - DCN 03267		37	US EPA	07/01/2006	EPA-230-B-06-001, http://www.epa.gov/n ewsroom/Ingroadma p.htm	Liquefied Natural Gas Import Terminals		No	EPA-HQ-OW-2004-0032-2432

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11.5	03336	Publication Copyrighted Material	Floating factory could change future of LNG Gulf port may be a model for Mass - DCN 03336		4	Beth Daley, Boston Globe		http://www.boston.co m/news/local/massa chusetts/articles/200 6/08/14/floating_fact ory_could_change_f uture_of_lng/	Liquefied Natural Gas Import Terminals		No	EPA-HQ-OW-2004-0032-2434
11.5	03351	Publication Copyrighted Material	The Strategic Choice of Contrasting Vaporization Technologies - DCN 03351		28	Soudek, Milos, Mustang Engineering	04/01/2006		Liquefied Natural Gas Import Terminals		No	EPA-HQ-OW-2004-0032-2435
11.5	03352	Publication Copyrighted Material	New LNG Air Vaporization Technology - DCN 03352		2	Soudek,Milos , Mustang Engineering	05/01/2006	Hydrocarbon Engineering, http://www.hydrocarb onengineering.com/ Hydrocarbon/HE_ho me.htm	Liquefied Natural Gas Import Terminals		No	EPA-HQ-OW-2004-0032-2436
11.5	03353	Publication Copyrighted Material	Mustang Engineering to Upgrade Trunkline LNG Facility Using LNG Smart® Air Vaporization Process - DCN 03353		2	Mustang Engineering	06/12/2006	http://portal.mustang eng.com/servlet/pag e?_pageid=4823&_d ad=portal30&_schem a=PORTAL30&press .update=684	Natural Gas Import		No	EPA-HQ-OW-2004-0032-2438
11.5	03672	Publication Copyrighted Material	North American Terminal Survey (NATS) for Liquefied Natural Gas Imports and Regasification - DCN 03672		6	Pan EurAsian Enterprises	09/07/2006		Liquefied Natural Gas Import Terminals		No	EPA-HQ-OW-2004-0032-2440
11.5	03746	Publication Copyrighted Material		LNG inports in to the US for the 1st 7 mor of 2006 were 356.7 billion cubic feet of natural gas. This is slightly less than the same period in 2005 (367 bcf), however th volumes for July were ahead of last year.		Pan EurAsian Enterprises, Inc.	09/07/2006	http://www.sablaw.co m/Ingblog/09082006 usimports.pdf	Liquefied Natural Gas Import Terminals		No	EPA-HQ-OW-2004-0032-2442

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11.5	03757	Publication Copyrighted Material	U.S. LNG Proliferation Slowed by Global Competition, Market Dynamics - DCN 03757	Despite five-year-old promises of significantly increased liquefied natural ga (LNG) imports in the United States, the reality is that not much has been done to transform LNG from a niche business to a mainstream operation, according to Jame W. Duncan, director of Structured Product for ConocoPhillips Gas & Power.	l S	Intelligence Press, Inc.	09/15/2006	Rigzone, http://www.rigzone.c om/news/article_pf.a sp?a_id=36181	Liquefied Natural Gas Import Terminals		No	EPA-HQ-OW-2004-0032-2443
11.5	03766	Publication Copyrighted Material	A Big Bet on Natural Gas - DCN 03766	The Sabine River channel, where alligator and speckled trout live alongside petrochemical plants and oil refineries, ha suddenly become the center of a quiet revolution in the world of natural gas.		Krauss, Clifford	10/04/2006	New York Times, http://www.nytimes.c om/2006/10/04/busin ess/04gas.html?_r=1 &oref=slogin, accessed 10/4/06.	Import		No	EPA-HQ-OW-2004-0032-2445
11.5	04072	Letter, Memorandum, Email	Southern LNG Files for Expansion of Elba Island Storage and Sendout Capacity - DCN 04072		1	LNGLawblog	10/12/2006	http://www.epa.gov/c ompliance/assistanc e/sectors/minerals/pr ocessing/technicaldo c.html	Natural Gas Import		No	EPA-HQ-OW-2004-0032-2758
11.5	04073	Report	Shortage of Natural Gas Leading to Inactive Liquefaction Projects - DCN 04073		1	LNGLawblog	10/18/2006	U.S. EPA. 1986. Quality Criteria for Water. Washington, D.C. EPA 440/5-86- 001	Liquefied Natural Gas Import Terminals		No	EPA-HQ-OW-2004-0032-2760
11.5	04080	Publication Copyrighted Material	Building Up Gas: Kelliher Calls For Expanded Production - DCN 04080	The worldwide capacity for natural gas liquefaction must be significantly expande to accommodate growing global natural g demand, says Joseph Kellher, chairman c the Federal Energy Regulatory Commission	as of	Rosenburg, Martin	11/01/2006	Energy Biz Magazine, http://energycentral.fi leburst.com/EnergyB izOnline/2006-3- may- jun/Building_up_gas.			No	EPA-HQ-OW-2004-0032-2761
11.5	04081	Letter, Memorandum, Email	Letter to Admiral Thad W. Allen, Commandant, U.S. Coast Guard - DCN 04081	Withdrawal of Deepwater Port Act Licens Application for the Beacon Port Deepwate Port Project (USCG-2005-21232-237)		Cornelius, S. L., President, Global Gas	11/03/2006	http://dms.dot.gov/se arch/searchFormSim ple.cfm			No	EPA-HQ-OW-2004-0032-2762

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11.5	04095	Report	Offshore LNG Receiving Terminals - DCN 04095	Domestic natural gas production has not met natural ges demand in the United States for decades. Most forecasts of domestic production and demand show continued pipeline imports from Canada, future deliveries of natural gas from Alaska and an increase in natrual gas imports in th form of liquefied natural gas (LNG).		Michelle Michot Foss	11/07/2006	University of Texas at Austin, http://www.beg.utexa s.edu/energyecon/do cuments/CEE_offsho re_LNG.pdf	Terminals		No	EPA-HQ-OW-2004-0032-2718
12.0	01484	Support Background	SpiraSep Ultrafiltration Membrane Technology - DCN 01484		9		10/01/2004				No	EPA-HQ-OW-2004-0032-0324
12.0	01731	Publication Copyrighted Material	Program Test Stormwater Treatment Technologies - DCN 01731		4	Bachhuber, James A.	05/01/2005		Stormwater		No	EPA-HQ-OW-2004-0032-0328
12.0	01733	Publication Copyrighted Material	Technology to Assist Operators with Increased Production through Effective Water Management - DCN 01733		2	Zelma Branch	05/31/2005		Oil & Gas Extraction		No	EPA-HQ-OW-2004-0032-0329
12.0	01736	Publication Copyrighted Material	Scarborough Beach, R.I., Finds New Tool to Fight Health-Threatening Bacteria in Stormwater Runoff - DCN 01736		3	Waterworld	06/15/2005		Stormwater		No	EPA-HQ-OW-2004-0032-0331
12.0	01777	Letter, Memorandum, Email	MYCELX Products to Treat Hydrocarbons in Water- DCN 01777		2	Potter, Greg	03/31/2003				No	EPA-HQ-OW-2004-0032-0132

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12.0	01811	Report	Conservation Pricing of Water and Wastewater - DCN 01811		26	Holly Stallworth	04/10/2000		Industrial Water Conservation		No	EPA-HQ-OW-2004-0032-0335
12.0	01843	Report	New Biotech Tools for a Cleaner Environment - DCN 01843		80	Erickson, Brent, Hessler, Christopher J.	10/01/2004				No	EPA-HQ-OW-2004-0032-0336
12.0	01946	Publication Copyrighted Material	Turning Wastewater into Water Study Examines Growth of Water Reuse Market -DCN 01946		5	Sunitha Gopal	07/01/2005				No	EPA-HQ-OW-2004-0032-0325
12.0	01951	Data	Metadata for Performance Track Membership Data -DCN 01951		0	US EPA	03/22/2004		Pollution Prevention		No	EPA-HQ-OW-2004-0032-0948
12.0	01951A1	Support Background	Performance Track Membership Data as an Attachment - DCN 01951A1		25	Johnston, Carey A., US EPA	03/22/2004		Organic Chen Plastics & Synthetic Fibers (OCPSF)	n, 🗌	No	EPA-HQ-OW-2004-0032-0165
12.0	02010		Efficacy of an Advanced Sewage Treatment Plant in Southeast Queensland, Australia, to Remove Estrogenic Chemicals		6	Leusch, Frederic D.L.	08/01/2005				No	EPA-HQ-OW-2004-0032-0851

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12.0	02015	Publication Copyrighted Material	Removal of Antibiotics in Wastewater: Effect of Hydraulic and Solid Retention Times on the Fate Tetracycline in the Activated Sludge Process		8	Sung Pyokim et al.	08/01/2005			No	EPA-HQ-OW-2004-0032-0991
12.0	02082	Publication Copyrighted Material	ProTech Issues U.S. Patent for Stormwater Treatment System		2		08/12/2005 http://wateronline.co m			No	EPA-HQ-OW-2004-0032-0994
12.0	02105	Publication Copyrighted Material	Central Composite Design in a Refinery's Wastewater Treatment by Air Flotation - DCN 02105		9	F. Rigas et al.	01/01/2000			No	EPA-HQ-OW-2004-0032-0938
12.0	02109	Publication Copyrighted Material	Optimizing Dissolved Air Flotation Design and Saturation		8	Feris, L. A. et al.	01/01/2001			No	EPA-HQ-OW-2004-0032-0863
12.0	02194	Publication Copyrighted Material	Measurement of Ammonia Inhibition of Microbial Activity in Biological Wastwater Treatment Process Using Dehydrogenase Assay - DCN 02194		4	Lee, Sang- Min, et.al.	01/01/2000			No	EPA-HQ-OW-2004-0032-0330
12.0	02249	Publication USEPA	Activated Carbon Treatment of Industrial Wastewater - Selected Technical Papers - DCN 02249		286	US EPA	08/01/1979	Pollution Control		No	EPA-HQ-OW-2004-0032-0334

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12.0	02275	Publication Copyrighted Material	Complete WateReuse: Industry's Opportunity Based on Papers Presented at the National Conference on Complete WateReuse April 23- 27, 1973 - DCN 02275		746	American Institute of Chemical Eng	04/23/1973			V	No	EPA-HQ-OW-2004-0032-0337
12.0	02301	Report	Nutrient Releases to the Mississippi River in the Louisiana Industrial Corridor - DCN 02301		31	Knecht, Albert T. PhD	08/18/2000		Nutrients		No	EPA-HQ-OW-2004-0032-0338
12.0	02357	Publication USEPA	Removal of Endocrine Disruptor Chemicals Using Drinking Water Treatment Processer - DCN 02357		20	EPA/N RMRL	03/01/2001				No	EPA-HQ-OW-2004-0032-1000
12.0	02381	Publication Copyrighted Material	Effectiveness of Urban Wastewater Treatment Policies in Selected Countries: An EEA Pilot Study - DCN 02381	A 2004 European Commission report noted that several countries had failed to designate sensitive areas and were behind schedule in establishing the capacity of sewage treatment as required by the directive deadline is approaching at the end of 2005, for extending sewage treatment to urban areas with more than 2000 inhabitants, the EEA has acknowledged the need to improve our understanding of the inherent implementation problem.	he	Anderson, Mikael S.	10/01/2005	European Environment Agency Report No. 2/2005			No	EPA-HQ-OW-2004-0032-1219
12.0	02382	Publication USEPA	2004 Guidelines for Water Reuse, EPA/625/r- 04/108 - DCN 02382	The 2004 Guidelines for Water Reuse examines opportunities for substituting reclaimed water for potable water supplies where potable water quality is not required. It presents and summarizes recommended water reuse guidelines, along with supporting information, as guidance for the benefit of the water and wastewater utilities and regulatory agencies, particularly in the U.S. The document updates the 1992 Guidelines document by incorporating recent water reuse developments.	1 9 S	USEPA	09/01/2004	EPA/625/r-04/108. Washington, DC.			No	EPA-HQ-OW-2004-0032-1220.9

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12.0	02383	Other	Ozone Cooling Water Treatment - DCN 02383	Vendor Literature, Spartan Environmental Technolgies. Ozone has been effectively used to treat cooling water in a large number of cooling towers. It offers a numb of important economic and environmental advantages if applied correctly. This technical bulletin briefly describes the benefits and proper application of this technology.	ber	Spartan Environment al Technologies , LLC		<www.spartanwatertr eatment.com/articles /Spartan-Technical- Bulletin-Ozone- Cooling-Water- Treatment.pdf&gt;. (Accessed April 7,</www.spartanwatertr 			No	EPA-HQ-OW-2004-0032-1221
12.0	02384	Letter, Memorandum, Email	Memorandum from USEPA Assistant Administrator of Enforcement to Regional Administration State NPDES Directors - DCN 02384	Use of Low Flow Augmentation By Point Sources to Meet Water Quality Standards	7	USEPA Assistant Administrator for Enforcem					No	EPA-HQ-OW-2004-0032-1222
12.0	02385	Publication Copyrighted Material	Study: U.S. Wastewater Treatment Equipment Markets to Reach \$1.3 Billion - DCN 02385	Novel treatment processes have revolutionized wastewater treatment, serving both industrial and municipal markets. The current water shortage situation in several geographical areas of the United States has particularly triggere the need for reuse. In addition, population growth, tighter regulations, increasing cos of clean water and awareness regarding protection of the remaining clean water sources, are all causes for the increased demand for wastewater treatment equipment.	d N	Frost & Sullivan	07/18/2005	<www.wateronline.co m/content/news/articl e.asp?docid=d896a2 e6-9c58-4c88-a8a2- 58675f1e623c&gt;. (Accessed April 7, 2006).</www.wateronline.co 			No	EPA-HQ-OW-2004-0032-1223
12.0	02388	Publication Copyrighted Material	New Innovative UF Technologies For Membranes, Modules and Operation - DCN 02388	Vendor Literature, Applied Water Solution Inc. The market for Ultrafiltration is changing: it is requesting higher reliability lowered operation, and investment costs to open up new markets. To match these increasing requirements, new membrane materials have to be combined with innovative production technologies and thoroughly engineered module design. We have developed a submerged technology that is able to fulfill all the requirements of the WWTP operators and improve the efficiency of backwash and cleaning.	e	Gallagher, Chris	02/04/2005				No	EPA-HQ-OW-2004-0032-1225

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12.0	02389	Report	Case Study: Application of a Medium Pressure UV System for the Treatment of N- Nitrosodimethylamine (NDMA) - DCN 02389	Vendor Literature, Calgon Carbon Corporation - The waste from a large chemical plant over many years had led to the contamination of the drinking water we for the community. After extensive evaluation and testing, it was determined that UV photolysis was the most effective treatment method which led to the installation of a Calgon 270 kW Rayox UV system in 1991. Many other sources have been identified, including chemical plants, rubber manufacturing plants, rocket fuel manufacturing plants, and wastewater treatment plants.	ells / e	Lem, Wayne	05/09/2005				No	EPA-HQ-OW-2004-0032-1226
12.0	02620	Publication Copyrighted Material	Case Study: AquaDisk Filter Meets Requirements for Phosphorus and TSS Removal in Chicken Processing Plant - DCN 02620, Section 12.1		2	Aqua- Aerobic Systems, Inc.	02/06/2006	http://wateronline.co m	Meat and Poultry Products, Part 432		No	EPA-HQ-OW-2004-0032-1227
12.0	02635	Publication Copyrighted Material	Enhancing Biodegradability of Refractory Aromatics in Wastewater: Pretreatment with Elemental Iron - DCN 02635	The objective of this research is to evalua an integrated system coupling zero-valent iron (Fe0) and aerobic biological oxidation for treatment of azo dye wastewater. The success of the bench-scale integrated system demonstrates that iron pretreatment technology is a feasible option for treatment of dye-containing wastewaters.	n ent	Perey, Jennie et al, Univ of Delaware	06/04/2001	Water Environment Federation 8th Annual Industrial Wastes Technical and Regulatory Conference, August 11-14, 2002	Textile Mills		No	EPA-HQ-OW-2004-0032-1228
12.0	02637	Publication Copyrighted Material	Electrochemical Treatment of Recalcitrant Wastewater - DCN 02637	Electrochemical treatment of wastewater generated from the production of chemica such as insecticide, herbicide, and pestici was investigated.		Pak, Daewon and Chung, Dowon	08/11/2002	Water Environment Federation 8th Annual Industrial Wastes Technical and Regulatory Conference, August 11-14, 2002	Pesticide Chem Mfg, Formulation & Repackaging		No	EPA-HQ-OW-2004-0032-1229

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12.0	02648	Publication Copyrighted Material	Denitrification of High Ammonia Content Wastewater using the Nite/Denite Process - DCN 02648	In an attempt to reduce chemical cost, a treatability test was conducted to evaluate the potential to reduce soda ash cost by converting the existing nitrification system a Nite/Denite system. Nite/Denite was developed in 1985 by ENSR Corporation t completely nitrify and denitrify high ammor content coke plant wastewater in a single reaction tank system. Denitrification would generate alkalinity neutralizing a portion of the acid generated during nitrification.	to o nia	Darian, Saeed and David Stone	08/11/2002	Water Environment Federation 8th Annual Industrial Wastes Technical and Regulatory Conference, August 11-14, 2002	Iron and Ster Manufacturin		No	EPA-HQ-OW-2004-0032-1230
12.0	02649	Publication Copyrighted Material	Fundmental Properties of Pollutants Provide the Key to Efficient Development of Treatment Technologies - DCN 02649	This paper will discuss several typical fundamental properties of industrial pollutants, and how they are typically incorporated into waste streams, and will show how efficient, successful treatment schemes can be developed. Treatment performance data are not shown. Instead, descriptive account of the treatment performance is presented.	14 a	Woodard, Franklin, Woodard & Curran, Inc.	08/11/2002	Water Environment Federation 8th Annual Industrial Wastes Technical and Regulatory Conference, August 11-14, 2002			No	EPA-HQ-OW-2004-0032-1231
12.0	02650	Publication Copyrighted Material	Full-Scale Operating Experience with a Biological Nitrogen Removal System - DCN 02650	DSM Chemicals North America, Inc. of Augusta, GA manufactures caprolactam, a nylon-6 intermediate chemical. This paper describes the wastewater treatment plant startup issues, long-term plant performance including comparison with pilot and model predictions, and operational challenges an issues associated with an industrial biological nitrogen removal wastewater treatment plant.	e	Givens, Silas W. and Daniel A. Skedsvold	08/11/2002	Water Environment Federation 8th Annual Industrial Wastes Technical and Regulatory Conference, August 11-14, 2002			No	EPA-HQ-OW-2004-0032-1232
12.0	02658	Publication Copyrighted Material	Evaluating Denitrification Filters - DCN 02658		7	de Barbadillo, Christin	06/01/2005	June 2005 - Water Environment and Technology			No	EPA-HQ-OW-2004-0032-1233
12.0	02660	Publication Copyrighted Material	Advanced Clarification Basics - DCN 02660		5	Johnson, Bruce R.	12/01/2005	December 2005 - Water Environment and Technology			No	EPA-HQ-OW-2004-0032-1234

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12.0	02665	Publication Copyrighted Material	Shopping for an MBR - DCN 02665		5	Wallis-Lage, Cindy	01/01/2005 January 2005 - Water Environment and Technology			No	EPA-HQ-OW-2004-0032-1235
12.0	02720	Other	Hydroxyl Presentation - DCN 02720	Hybrid activated sludge fixed film biotreatment.	21	Hydroxyl	01/01/2006			No	EPA-HQ-OW-2004-0032-1977
12.0	02744	Other	Fixed-Film Biological Treatment: Hydroxyl-Pac Media Case Studies - DCN 02744		16	Turner, Dan, Hydroxyl Systems	04/28/2005 Hydroxyl Systems			No	EPA-HQ-OW-2004-0032-2446
12.0	02745	Publication Copyrighted Material	Fluidized Fixed Film Systems for Cost Effective Upgrade of Existing Wastewater Treatment Plants - DCN 02745		19	Featherstonh augh, David	10/01/2003 2003 Conference British Columbia Water and Waste Assc.			No	EPA-HQ-OW-2004-0032-1574
12.0	02788	Publication Copyrighted Material	Deep Bed Denitrification Filters Continue to Play Major Role in Improved - DCN 02788 Wastewater Quality Nationwide	Over the past 30 years, wastewater treatment plants along the East Coast - fro New England to Florida - and extending ou to the West Coast have faced increasingly stringent regulations as total maximum dai loads (TMDLs) for nutrient discharges hav been developed and further revised by federal and state agencies to address wate quality concerns. During that period, deep bed denitrification filters have proven to be highly effective treatment technology used by wastewater plants to meet low total nitrogen (TN) limits. The combination of denitrification and solids removal in a deep bed filter process was first patented in 197 and since then, the technology has been responsible for helping to dramatically improve wastewater quality at treatment plants across the country.	ut ily e er a a	Slack, David	04/01/2006 Water Online Newsletter, 4/27/06			No	EPA-HQ-OW-2004-0032-1576

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12.0	02790	Publication Copyrighted Material	Onsite Systems Solve Development, Permitting Issues At Non-sewered Properties - DCN 02790	Growing communities face many challenges in providing adequate wastewater treatment services for new development. Residential, industrial, or recreational construction on non- sewered land frequently raises many questions abo the most reliable and cost-effective strateg for managing the future wastewater stream	out Jy	Hartman, Donna	03/21/2006	Water Online Newsletter, 4/27/06			No	EPA-HQ-OW-2004-0032-1577
12.0	03044	Other	Activated Sludge Microbiology Problems and their Control - DCN 03044	Presented at the 20th Annual US EPA National Operator Training Conference.	21	Richard, Michael	06/08/2003				No	EPA-HQ-OW-2004-0032-1943
12.0	03255	Speech	Reducing Molybdenum Discharges from Commercial Building Heating/Cooling Systems - DCN 03255		15	Greater Vancouver Regional District	06/07/2006	Building Owners and Managers Association, Quality Building Team Meetings, http://www.gvrd.bc.c a/SmartSteps/pdfs/b			No	EPA-HQ-OW-2004-0032-2447
12.0	03277	Publication Copyrighted Material	White Paper: Peroxide And Ozone: A New Choice For Water Reclamation And Potable Reuse - DCN 03277		12	Mahar, Erica, et al.	09/01/2004	19th Annual WateReuse Symposium, September 2004, Phoenix, Arizona.			No	EPA-HQ-OW-2004-0032-2449
12.0	03344	Publication USEPA	Sector Strategies Performance Report: 2004 - DCN 03344		68	USEPA, EPA 100-R- 04-002	06/01/2004	http://www.epa.gov/s ectors/pdf/2004/perfo rmancebw.pdf		L t	No	EPA-HQ-OW-2004-0032-2450
12.0	03345	Publication USEPA	Sector Strategies Performance Report: 2006 - DCN 03345		112	USEPA, EPA 100-R- 06-002	03/01/2006	http://www.epa.gov/s ectors/pdf/2006/entir ereportbw.pdf	Metal Finishing, Par 433	t	No	EPA-HQ-OW-2004-0032-2452

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12.0	03349	Publication Copyrighted Material	A multiport valve enhances countercurrent ion exchange - DCN 03349	PuriTech (Dessel, Belgium; edlinks.che.com/6514-536) has developed continuous ion-exchange system, called lonex, which uses up to 75% less water an requires about half the volume of ion- exchange resin, compared with traditional fixed-bed systems, says PuriTech projects director Filip Rochette.	a	1 Chemical Engineerin Editorial S		Chemical Engineering (www.che.com)	Coal Bed Methane		No	EPA-HQ-OW-2004-0032-2453
12.0	03579	Publication Copyrighted Material	Membrane Technologies in Industrial Water Treatment - DCN 03579		1	2 Paul, Dav	d 08/01/2006	industrial WaterWorld, http://ww.pennnet.co m/Articles/Article_Dis play.cfm?Section=A RTCL&ARTICLE_ID =268747&VERSION			No	EPA-HQ-OW-2004-0032-2454
12.0	03677	Publication Copyrighted Material	'MBR-Network' Launches Webplatform Dedicated To MBR Technology - DCN 03677	The European cluster "MBR Network", group of four projects financed by the European Commission and entirely dedicated to the development of the membrane bioreactor technology, has launched their official website "www.mbr network.eu"		1 MDR Network	07/31/2006	dedicated to the development of the membrane bioreactor technology, has launched their official website			No	EPA-HQ-OW-2004-0032-2456
12.0	04093	Publication Copyrighted Material	Membrane Technologies for Industrial Water Treatment - DCN 04093	In a Zenon Environmental presentation a few years ago, the words on a slide captured my attention as being both accurate in the moment and a predictor of the future. The words were: "Membranes are to water treatment what the microchip i to information technology."		4 David Pau	I 09/01/2006	i Industrial WaterWorld, September 2006, http://ww.pennnet.co m/display_article/276 174/64/ARTCL/none/ none/Membrane_Te			No	EPA-HQ-OW-2004-0032-2719
12.0	04123	Publication Copyrighted Material	Biological Wastewater Treatment: The use of microorganisms to remove contaminants from wastewater is effective and widespread. To choose the right system from the many options offered, understand the various techniques available and evaluate them based on your requirements - DCN 04123			6 Thomas E Schultz, U Filter		Chemical Engineering (http://www.usfilter.c om/NR/rdonlyres/ED AB089D-0BC6-4668- B456- 6F35C05E6FD0/0/C			No	EPA-HQ-OW-2004-0032-2746
12.0	04132	Publication Copyrighted Material	An Oily Banquet For Bugs: Black bilgewater, thick with diesel and fuel oils, can be a costly problem. But "nutritious" reactors can turn this waste into fast food DCN 04132			6 Engle, Da	vid 11/01/2006	Onsite Water Treatment (http://www.onsitewat er.com)			No	EPA-HQ-OW-2004-0032-2747

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12.1	01489	Publication	Industrial Water Reuse Makes Cents - DCN 01489		6	Wachinski, Anthony M.	10/01/2004				No	EPA-HQ-OW-2004-0032-0326
12.1	01808	Publication	Business for Social Responsibility: Water Issues -DCN 01808		31	Business for Social Responsibilit y	07/13/2005		Industrial Water Conservation		No	EPA-HQ-OW-2004-0032-0333
12.1	01947	Letter, Memorandum, Email	Calculation of Production-Based Effluent Limits - DCN 01947		4	J. William Jordan, USEPA	12/18/1984		Organic Cher Plastics & Synthetic Fibers (OCPSF)	n, 🗌	No	EPA-HQ-OW-2004-0032-0177
12.1	01952	Letter, Memorandum, Email	Documents Related to Industrial Water Re-Use and Reduction -DCN 01952		1	Johnston, Carey A., US EPA	08/02/2005		Organic Cher Plastics & Synthetic Fibers (OCPSF)	m, 🗆	No	EPA-HQ-OW-2004-0032-0327
12.1	02100	Letter, Memorandum, Email	Memorandum to Public Record for the 2006 Effluent Guidelines Program Plan EPA Docket Number OW-2004-0032 (www.epa.gov/edockets) from Carey A. Johnson, USEPA/OW/OST re: Options for Promoting Water Conservation Through the Use of Organic Chemicals, Plastics, and Synthetic Fibers (OCPSF) Mass-based Limits - DCN 02100	"Case Study:" Options for Promoting Wat Conservation Through the Use of Organic Chemicals, Plastics, and Synthetic Fibers (OCPSF) Mass-based Limits	;	Johnston, Carey A., US EPA	08/05/2005		Organic Cher Plastics & Synthetic Fibers (OCPSF)	n, 🗌	No	EPA-HQ-OW-2004-0032-0942
12.1	02191	Letter, Memorandum, Email	Memorandum to Public Record for the 2006 Effluent Guidelines Program Plan EPA Docket Number OW-2004-0032 (www.epa.gov/edockets/) from Carey A. Johnson, USEPA/OW/OST re: The Impacts of Industrial Water Re-Use and Reduction Technologies on End-Of-Pipe Pollutant Concentrations and Loadings - DCN 02191	The Impacts of Industrial Water Re-Use a Reduction Technologies on End-Of-Pipe Pollutant Concentrations and Loadings	nd 50	Johnston, Carey A., US EPA	08/01/2005		Organic Cher Plastics & Synthetic Fibers (OCPSF)	n, 🗆	No	EPA-HQ-OW-2004-0032-0943

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12.1	02192	Letter, Memorandum, Email	EPA's Documented Rationales for Establishing Concentration-Based Pretreatment Standards - DCN 02192		20	Johnston, Carey A., US EPA	08/01/2005		Organic Chen Plastics & Synthetic Fibers (OCPSF)	n, 🗌	No	EPA-HQ-OW-2004-0032-0178
12.1	02193	Letter, Memorandum, Email	Example Types of Pretreatment Standards - DCN 02193		10	Johnston, Carey A., US EPA	08/01/2005		Organic Chen Plastics & Synthetic Fibers (OCPSF)	n, 🗌	No	EPA-HQ-OW-2004-0032-0179
12.1	02327	Meeting or Teleconference Materials	The Subcommitte on Water Resources and Environment Hearing on "Water: Is it the "Oil" of the 21st Century? - DCN 02327		31	US House Subcommitte e on Water Resources	05/22/2003				No	EPA-HQ-OW-2004-0032-0939
12.1	02330	Letter, Memorandum, Email	Solectron Texas - DCN 02330		15	Pickrel, Jan, EPA	05/02/2005				No	EPA-HQ-OW-2004-0032-0976
12.1	02331	Letter, Memorandum, Email	Implementation of Water Conservation Measure - DCN 02331		18	Johnston, Carey A., US EPA	08/26/2005				No	EPA-HQ-OW-2004-0032-0977
12.1	02332	Report	AMSA 2004 Pretreatment Streamlining Survey Data - DCN 02332		42	Kirk, Ken AMSA	06/10/2004				No	EPA-HQ-OW-2004-0032-0978

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12.1	02333	Letter, Memorandum, Email	Mass vs Concentration Contacts - DCN 02333		5	Schaner, Greg, Permits Division EPA	08/19/2005				No	EPA-HQ-OW-2004-0032-0979
12.1	02334	Letter, Memorandum, Email	SOCMA Pretreatment Letter with Examples - DCN 02334		6	Pickrel, Jan, EPA	11/23/2004				No	EPA-HQ-OW-2004-0032-0980
12.1	02335	Letter, Memorandum, Email	Example of a Wastewater Discharge Permit Converting Concentration-based Effluent Guidelines to Flow-normalized Mass Based Permit Limts - DCN 02335		15	Johnston, Carey A., US EPA	08/26/2005				No	EPA-HQ-OW-2004-0032-0981
12.1	02336	Letter, Memorandum, Email	National Metal Finishing Strategic Goals Program Website (http://www.strategicgoals.org/) - DCN 02336		1	Johnston, Carey A., US EPA	08/18/2005				No	EPA-HQ-OW-2004-0032-0982
12.1	02337	Report	Documents Related to Comments on OMB Report to Congree (February 20, 2004; 68 FR 64375) - DCN 02337		238	Johnston, Carey A., US EPA	08/19/2005				No	EPA-HQ-OW-2004-0032-0983
12.1	02338	Letter, Memorandum, Email	MP&M Comment Responses on Issue Related to Mass-Based Permit Limits and Pollution Prevention and Water Conservation - DCN 02338		579	Johnston, Carey A., US EPA	08/19/2005				No	EPA-HQ-OW-2004-0032-0984

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12.1	02386	Publication Copyrighted Material	Rinsing with Less Water - DCN 02386	In the typical nickel-chrome line, it is not unusual to find three out of four tanks devoted to rinsing. This vital step after eac process is necessary to stop the action of the chemical solution, prevent the contamination of a subsequent process, ar prevent chemical staining of the work.		Yates, Williams, Poly Products Corp.	05/01/1989		Metal Finishing, Pa 433	<b>∠</b> art	No	EPA-HQ-OW-2004-0032-1224
12.1	02433	Publication Copyrighted Material	Leather Tanning Plants Recover and Reuse Wastewater - DCN 02433	Two of India's largest leather-tanning factories are using Koch Membrane Systems, Inc.'s ultrafiltration and reverse osmosis membrane technologies to increase the amount of wastewater they ca reuse during processing.	3 an	Water and Wastewater Online Newsletter	10/19/2005	<www.waterandwast ewater.com/www_se rvices/news_center/p ublish/article_00784. shtml&gt;. (Accessed April 7, 2006)</www.waterandwast 	Tanning and		No	EPA-HQ-OW-2004-0032-1236
12.1	02437	Letter, Memorandum, Email	Memorandum from Carey Johnston, USEPA, to EPA-OW-2004-0032 - DCN 02437	Discussion of Global Environmental Management Initiative Website Case Studies from http://www.gemi.org/water/casestudies.htm	2 1	Johnston, Carey A., US EPA	11/10/2005				No	EPA-HQ-OW-2004-0032-1237
12.1	02438	Publication Copyrighted Material	Micro-Media Filtration: An Alternative to Membrane Filtration - DCN 02438	To ensure trouble free-operation of ion exchange units, resin manufacturers recommend removal of suspended solids to negligible levels, since any solids not removed 'up-front' will generally accumulat within the ion exchange resin beds, which are themselves excellent filters. In fact, the high electrostatic surface charge or zeta potential present on ion exchange resins enhances the ability of ion exchange resins to remove even extremely fine, charged colloidal particles. The adverse effects of solids accumulation in resin beds include the distribution of water and regenerants within the resin bed and ultimately the pressure loss across the bed causing deterioration in the quality and quantity of the treated water. Even small amounts of solids adhering to the surface of the resin beads may adversely affect exchange kinetics, long before pressure drop increases are observed.	te	Brown, Craig J., Eco-Tech Inc.	08/01/2002	<www.eco- tec.com/techpapers/ TP%20160%20Micro %20Filtration.pdf&gt;. (Accessed April 7, 2006)</www.eco- 			No	EPA-HQ-OW-2004-0032-1238

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12.1	02439	Publication Copyrighted Material	Removal of Metal from Metal Finishing Waste Water Using a Granular, Magnesium-based Adsorbent - DCN 02439	This paper details a granular, Magnesium based Adsorbent which has been used to remove various metals from surface finishing waste water streams. The metals treated in this study include copper, nickel and zinc. Effluent concentrations of the treated metals are typically less than 0.5 mg/L.	;	Walter, Matthew D. et al.	11/01/2005	<www.magspecialtie s.com/datasheets/FI oMag-pdf/FM- MC%20Metal%20Fin ishing%20Waste.pdf &gt;. (Accessed April 7, 2006).</www.magspecialtie 	Metal Finishing, Par 433	<b>∨</b> rt	No	EPA-HQ-OW-2004-0032-1239
12.1	02440	Publication Copyrighted Material	Using EDI to Meet the Needs of Pure Water Production - DCN 02440	This report describes the advantages of using EDI for ultrapure water production for power plant boiler makeup water and microelectronics abrication rinse water. Operating data is presented showing the advantages of EDI for these applications.	5 or	Prato, Ted, Gallagher, C. Jay, Ionics Inc.	10/01/2000	olutions.com/extras/l	Steam Electri Power Generation	с 🗹	No	EPA-HQ-OW-2004-0032-1240
12.1	02441	Publication Copyrighted Material	Scaling Back the Mineral Problem: Electronic Descaling is Saving Millions in Pipe Cleaning and Maintenance Costs - DCN 02441	Physical water treatment (PWT) is a generic term that refers to non-chemical methods controlling or preventing fouling, especially mineral fouling or scale. PWT technologies use the laws of physics to impact water chemistries and mitigate scale without the use of chemical additives. Despite fast- growing use and success with these non- polluting, maintenance-free PWT technologies, their types and operating principles are still not widely nor well understood. The purpose of this article is to begin the process of overcoming this conspicuous lag between application and understanding.	of y s	Cho, Daniel J., Physical Water Treatment	11/01/2005	Water & Wastewater Products. Vol. 5 No 6. (November/Decemb er 2005).	Steam Electri Power Generation	с 🗹	No	EPA-HQ-OW-2004-0032-1241
12.1	02512	Publication Copyrighted Material	The Role of Water Conservation in Watershed Management - DCN 02512		4	Dyballa, Cindy	01/01/1999	Journal of Contemporary Research and Education, Volume 114			No	EPA-HQ-OW-2004-0032-1578

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12.1	02605	Publication Copyrighted Material	There and Back Again: As Demand for Usable Water Slowly Outstrips Supply, Reuse Systems may be the Solution to Everyone's Problem - DCN 02605	A serious problem faces our society as the demand for clean water begins to exceed the available supply. Treating and reusing wastewater is becoming an acceptable solution to this problem. Engineers across the country are being challenged to deliver costeffective wastewater treatment and reuse solutions that protect the public health. Many of the solutions being developed are novel approaches. In the absence of sewers, onsite wastewater treatment systems are being designed to allow high-water-usage facilities to reuse wastewater. The systems discharge to the subsurface, thereby replenishing dwindling groundwater supplies, and the system designs reuse treated wastewater as toilet flushing.	r	Hallahan, Dennis, Infiltrator Sys Inc.	03/01/2006	Water & Wastewater Products. Vol. 6. No. 2. (March/April 2006).			No	EPA-HQ-OW-2004-0032-1243
12.1	02607	Publication Copyrighted Material	Short-Bed Demineralization: An Alternative To Electrodeionization - DCN 02607, SECTION 12.1	To be competitive in the deregulated market, power producers are looking for ways to lower operating costs while maintaining a reliable supply. To this end, many plants have investigated innovative technologies for boiler make-up water treatment. One such technology is the combined reverse osmosis (RO) and electrodeionization (EDI) system. While th system offers several benefits, its operatin costs and lack of operating experience in power plant applications make it unattracti in certain cases. Another water treatment technology, short-bed demineralization, combines the low cost, proven reliability, and high performance of conventional mixed-bed ion exchange with many of the benefits of RO/EDI systems.	g	Smith, Bradley, et. al., Eco-Tec Inc.	06/01/2000		Steam Electric Power Generation		No	EPA-HQ-OW-2004-0032-1244
12.1	02615	Publication Copyrighted Material	Aquatronics Industries, Inc. Announces Zero Discharge Laundry System - DCN 02615, SECTION 12.1	Ecoloclean Industries, Inc., wholly owned subsidiary, Aquatronics Industries, Inc., Providence, Rhode Island, has announced that is has installed its first "zero discharge laundry system affording 100% wastewate recycling capabilities.	<b>)</b> "	Ecoloclean Industries, Inc.	02/15/2006	<www.wateronline.co m/content/news/articl e.asp?DocID=%7B2 EEDBFB0-014A- 498F-9C5F- EC183742C0F3%7D &amp;Bucket=Current+H</www.wateronline.co 			No	EPA-HQ-OW-2004-0032-1245

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12.1	02617	Publication Copyrighted Material	Growth Projected for Europe/Middle East Industrial Water Recycling and Reuse Equipment Markets - DCN 02617, SECTION 12.1	Projections of Double-digit Growth to Encourage Investments in the Industrial Water Recycling and Reuse Equipment Market in Europe and the Middle East	2	Frost and Sullivan	02/21/2006	<www.wateronline.co m/content/news/articl e.asp?DocID=%7B3 71A47F9-D5B4- 417E-96F8- B20E56A8E3F7%7D &amp;Bucket=Current+H</www.wateronline.co 			No	EPA-HQ-OW-2004-0032-1246
12.1	02618	Publication Copyrighted Material	A Refined Approach to Wastewater: SDs York River Water Reclamation Project - DCN 02618, SECTION 12.1	The York River Treatment Plant is adjacen to a large oil refinery currently owned by Giant Industries Inc., a mid-sized refiner located just across a tidal creek from the York River Treatment Plant. The refinery had contacted HRSD about using its treat secondary wastewater effluent as a water source for certain industrial applications. Engineers involved in the project spent a number of years researching alternatives and negotiating a contract. The current water reclamation project was put online in 2002, and has been operating successfull for three years.	ed	Hildebrandt, Pete	10/01/2005	<www.onsitewater.co m/ow_0509_refined. html&gt;. (Accessed April 7, 2006).</www.onsitewater.co 	Petroleum Refining		No	EPA-HQ-OW-2004-0032-1247
12.1	02622	Publication Other Government	Summary of DOE/PERF Water Program Review, November 1-4, 2005, Annapolis, MD - DCN 02622	DOE agreed to provide funding to hold a review of its water research program in conjunction with the fall 2005 PERF meeting. Argonne National Laboratory (Argonne) was asked to coordinate and hu the meeting, which was referred to as the DOE/PERF Water Program Review. The program review was held on November 1- 2005, in Annapolis, Maryland, at the Histo Inns of Annapolis.	-4,	Environment al Science, Argonne Natl DOE	01/01/2006		Oil & Gas Extraction		No	EPA-HQ-OW-2004-0032-1248
12.1	02638	Publication Copyrighted Material	Membrane Technology for Industrial Wastewater Treatment - DCN 02638	The use of membrane technology in wastewater treatment will increase with improvements in technology, discovery of new applications, and reduced costs. One the greatest barriers to their use however, a lack of understanding of their operating principles and the proper application and design of membrane technology.	of	Hartwell, Robert C. Harding ESE, Inc.	08/11/2002	Water Environment Federation 8th Annual Industrial Wastes Technical and Regulatory Conference, August 11-14, 2002			No	EPA-HQ-OW-2004-0032-1249

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12.1	02640	Publication Copyrighted Material	A Mass Balanced Approach to Process Control of a High Density Sludge Process - DCN 02640			Sandy, Tom, et. Al., CH2M Hill	08/11/2002	Water Environment Federation 8th Annual Industrial Wastes Technical and Regulatory Conference, August 11-14, 2002	Iron and Stee Manufacturing		No	EPA-HQ-OW-2004-0032-1250
12.1	02642	Publication Copyrighted Material	Ultrafiltration Treatment of Engine Plant Oily Wastewater: A Foure Year Performance Case Study - DCN 02642	In 1994, a major automotive engine manufacturing plant began evaluation of wastewater treatment technologies that would improve the quality of wastewater discharge, produce treated effluent that would comply with POTW discharge limits and eliminate the costs and risks associate with the use of hazardous chemical/physic treatment chemicals. Several waste management options were examined, including waste reduction via production modification within the plant, point-source, and end-of-pipe membrane separations technology.	ed :al	Brady, Francis J., Koch Membrane Sys Inc.	08/11/2002	Water Environment Federation 8th Annual Industrial Wastes Technical and Regulatory Conference, August 11-14, 2002	Metal Finishing, Par 433	<b>∀</b> t	No	EPA-HQ-OW-2004-0032-1251
12.1	02645	Publication Copyrighted Material	Wastewater Recycling at a Metal Working and Electroplating Facility - DCN 02645	Industrial wastewater from drawing, cleani and electroplating processes are combiner for pretreatment in a conventional chemica treatment system, and discharged to a rive under an NPDES permit. The treatment system has not performed efficiently, and compliance with effluent limitations has been difficult to achieve. An aggressive water conservation program has been implemented.	d al	Forzley, Philip E., Charter Oak	08/11/2002	Water Environment Federation 8th Annual Industrial Wastes Technical and Regulatory Conference, August 11-14, 2002	Metal Finishing, Par 433	<b>∀</b> t	No	EPA-HQ-OW-2004-0032-1252
12.1	02646	Publication Copyrighted Material	Wastewater Treatment for the Upcoming MP&M and Iron and Steel Effluent Limitations - DCN 02646	Instead of the end of pipe treatment, facilit pollution prevention and process waste minimization cannot be overlooked. Sever pollution prevention practices include reduction of water usage, extending the life of process chemicals, or recycling/reuse technologies	al	Wu, Eric J. Y., URS Corporation	08/11/2002	Water Environment Federation 8th Annual Industrial Wastes Technical and Regulatory Conference, August 11-14, 2002	Metal Finishing, Par 433	<b>⊻</b> t	No	EPA-HQ-OW-2004-0032-1253

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12.1	02653	Publication Other Government	Emerging Energy-Efficient Technologies in Industry: Case Studies of Selected Technologies - DCN 02653	Lawrence Berkeley National Laboratory, Environmental Energy Technologies Division. LBNL-54828. This report focuses on the long-term potential for energy- efficiency improvement in industry. In 200 the industrial sector consumed 33% of the primary energy and was responsible for 30% of the energy-related greenhouse ga (GHG) emissions in the U.S.	8 12, e	67	Worrel, Ernst et. Al	05/01/2004				No	EPA-HQ-OW-2004-0032-1254
12.1	02654	Publication Copyrighted Material	Slash Water and Energy Requirements with This Dyeing Process - DCN 02654			2		03/01/2006	Chemical Engineering www.CHE.COM, March 2006	Textile Mills		No	EPA-HQ-OW-2004-0032-1255
12.1	02656	Publication Copyrighted Material	Process Water Treatment Challenges and Solutions - DCN 02656			7		03/01/2006	Chemical Engineering www.CHE.COM, March 2006			No	EPA-HQ-OW-2004-0032-1256
12.1	02657	Publication Copyrighted Material	After a Long Haul, USEPA Delivers Streamlined Pretreatment Rule - DCN 02657			4	Bishop, Jim	01/01/2006	January 2006 - Water Environment and Technology			No	EPA-HQ-OW-2004-0032-1257
12.1	02659	Publication Copyrighted Material	A Growing Trend? - Growth, Regulations, and Drought Drive Interest in Membrane Bioreactors - DCN 02659			3	Lenhardt, Scott	06/01/2005	June 2005 - Water Environment and Technology			No	EPA-HQ-OW-2004-0032-1258
12.1	02663	Publication Copyrighted Material	Membrane Filtration: A Popular Reuse Option - DCN 02663			2	Bishop, Jim	08/01/2005	August 2005 - Water Environment and Technology			No	EPA-HQ-OW-2004-0032-1259

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12.1	02666	Publication Copyrighted Material	Once is Not Enough: As Water Crisis Looms, Communities Worldwide Turn to Recycling - DCN 02666		3	Thompson, Douglas	01/01/2005	January 2005 - Water Environment and Technology		V	No	EPA-HQ-OW-2004-0032-1260
12.1	02667	Publication Copyrighted Material	When Demand Outstrips Supply - DCN 02667		1	Bertera, Bill, WEF Executive Directore	01/01/2005	January 2005 - Water Environment and Technology			No	EPA-HQ-OW-2004-0032-1261
12.1	02689		On the Origin of the Minimum Level of 2 mg/L for BOD Tests - DCN 02689		2	McCarty, Harry	04/19/2006		Organic Cher Plastics & Synthetic Fibers (OCPSF)	n, 🗌	No	EPA-HQ-OW-2004-0032-1944
12.1	02690	Publication Copyrighted Material	Should There be an Industrial Water Policy? - DCN 02690		5	Rogers, Peter	01/01/1998	Journal of Contemporary Water Research and Education, http://www.ucowr.siu. edu/updates/pdf/V11 1_A7.pdf			No	EPA-HQ-OW-2004-0032-1579
12.1	02691	Publication Copyrighted Material	Realizing the Benefits from Water Conservation - DCN 02691		10	Maddaus, William	01/01/1999	Journal of Contemporary Water Research and Education, Volume 114			No	EPA-HQ-OW-2004-0032-1580
12.1	02693	Publication Copyrighted Material	The Future of Water Conservation: Challenges Aheah - DCN 02693		3	Vickers, Amy	01/01/1999	Journal of Contemporary Water Research and Education, Volume 114			No	EPA-HQ-OW-2004-0032-1581

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12.1	02694	Publication Copyrighted Material	Science, Democracy, and Water Policy - DCN 02694		8	Ingram, Helen	01/01/1998	Journal of Contemporary Water Research and Education, Volume 114			No	EPA-HQ-OW-2004-0032-1582
12.1	02707	Letter, Memorandum, Email	Arkema Data - DCN 02707		1	Kandle, Meghan, ERG	04/21/2006		Organic Cherr Plastics & Synthetic Fibers (OCPSF)	n, 🗌	No	EPA-HQ-OW-2004-0032-1946
12.1	02709	Report	Water Wars: Trends Alert - Critical Information for State Decision-Makers - DCN 02709		25	The Council of State Governments	07/01/2003				No	EPA-HQ-OW-2004-0032-1947
12.1	02710	Publication Copyrighted Material	Case Study: Manufacturing Facility Chooses Automatic Self Cleaning Filter for Suspended Solids Removal from Cooling Tower Water - 02710		4		04/12/2006		Tobacco	V	No	EPA-HQ-OW-2004-0032-1583
12.1	02711	Publication Other Government	Science and Technology to Support Fresh Water Availability in the United States - DCN 02711	Report of the National Science and Technology Council, Committee on Environment and Natural Resources, Subcommittee on Water Availability and Quality	32	Wachinski, Anthony M.	11/01/2004				No	EPA-HQ-OW-2004-0032-1949
12.1	02721	Letter, Memorandum, Email	Industrial Water Reuse Technology Information - DCN 02721		20	Laube, Tim, Plymouth Technology, Inc.	05/05/2006		Metal Finishing, Par 433	t	No	EPA-HQ-OW-2004-0032-1953

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12.1	02722	Publication Copyrighted Material	US Filter Designs New MBR Specifically For Petroleum Industry - DCN 02722		2		03/21/2006	www.wateronline.co m	Petroleum Refining		No	EPA-HQ-OW-2004-0032-1584
12.1	02725	Publication Copyrighted Material	Siemens: Better Use Must Be Made Of Water - DCN 02725		2		04/06/2006	www.wateronline.co m			No	EPA-HQ-OW-2004-0032-1585
12.1	02726	Publication Copyrighted Material	Water Reuse Technologies at Petrochemicals Complex in Daya Bay, China - DCN 02726		2		04/04/2006	www.wateronline.co m	Petroleum Refining		No	EPA-HQ-OW-2004-0032-1586
12.1	02727	Publication Copyrighted Material	Koch Membrane Systems Showcases PURON® Submerged Membrane Modules At AWWA 2006 - DCN 02727		2		04/17/2006	www.wateronline.co m			No	EPA-HQ-OW-2004-0032-1587
12.1	02742	Other	Industrial Water Conservation - DCN 02742	Presentation to Korean Government Delegation	29	Johnston, Carey A., US EPA	11/02/2005				No	EPA-HQ-OW-2004-0032-1956
12.1	02743	Publication Copyrighted Material	Biological Treatment of Secondary Sewage Effluent for Re-Use in Power Generation Plant - DCN 02743		16	Turner, Dan, Hydroxyl Systems	04/28/2005	2003 Water Environment Federation			No	EPA-HQ-OW-2004-0032-1588

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12.1	02747	Meeting or Teleconference Materials	The Synthetic Organic Chemicals Manufacturers Association (SOCMA) comments on March 6, 2006 meeting minutes - DCN 02747	The Synthetic Organic Chemicals Manufacturers Association (SOCMA) commented on a draft memorandum from Carey Johnston, EAD to the record, dated March 27, 2006. The memorandum summarized a discussion of the comments submitted by SOCMA (EPA Docket Numbe OW-2004-0032-1098) on the preliminary 2006 Effluent Guidelines Program Plan ("2006 Plan") held during a meeting between EPA and SOCMA on Monday, 6 March 2006. Key words: water conservation pretreatment standards.	r:	Gunnulfsen, Jeff, SOCMA	03/31/2006		Organic Cher Plastics & Synthetic Fibers (OCPSF)	n, 🗆	No	EPA-HQ-OW-2004-0032-1955
12.1	02749	Publication Copyrighted Material	Severn Trent Services Helps Mississippi Steel Mill Treat Wastewater - DCN 02749		1			www.wateronline.co m			No	EPA-HQ-OW-2004-0032-1589
12.1	02777		Developing a Framework for an Alliance for Water Efficiency: Issues & Options (DRAFT) - DCN 02777		275	California Urban Water Conservation Counci	12/31/2005				No	EPA-HQ-OW-2004-0032-1979

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12.1	02789	Publication Copyrighted Material	Reverse Osmosis Membranes for Wastewater Reclamation - DCN 02789	Wastewater reclamation has become a viable alternative to supplement water supplies in water-short areas. In particular membrane treatment has played an important role in purifying the water cost- effectively. Reverse osmosis membranes have been shown to significantly reduce total dissolved solids, heavy metals, organ pollutants, viruses, bacteria, and other dissolved contaminants. Experience from commercial membrane wastewater treatment plants has demonstrated that there are key design parameters which must be followed to prevent rAmerican Petroleum Instituted membrane fouling, ar thus reduce high system maintenance cos and significant downtime. In particular, current best practices include the use of ultrafiltration or microfiltraiton membranes remove colloidal debris, maintain a chloramine residual to prevent biogrowth, select proper antiscalant chemicals limit R recovery rates to prevent membrane scaling, and utilize membranes which minimize organic fouling. Select conventional polyamide and low fouling membranes have been used successfully plants such as the West Basin Wastewater treatment plant in California or the Bedok and Kranji plants in Singapore. These larg scale plants provide the basis for even larger plants, and greater contribution to th water supply in needy regions.	nic nd ts to O at r e-	Bartels, Craig R.	04/01/2006	Water Online Newsletter, 4/27/06			No	EPA-HQ-OW-2004-0032-1590
12.1	02795	Publication Copyrighted Material	Water As A Raw Material Is A Location Factor In Europe - DCN 02795	The cost and availability of water will come to affect European economies much as the dependency on oil and gas imports does today. "Water will become a growing cost factor that will influence the competitivene of trade and industry and burden households even more than it does today" forecasts Roger Radke of the Siemens Industrial Solutions and Services (I&S) Group, and responsible for Siemens' global water business.	e ss	Siemens Industrial Solutions & Services Gp	05/12/2006	Water Online Newsletter			No	EPA-HQ-OW-2004-0032-1591

EPA Docket Section	DCN	Document Sub Type	TITLE	ABSTRACT	Page Count	Author	Author Date	Source Citation	Category Industry	Copyright Protected	CBI	Document ID:
12.1	03151	Publication Copyrighted Material	Water Treatment Saves Operating Cost In The Paper And Pulp Industry - DCN 03151		1	Siemens	05/10/2006	Water Online Newsletter, http://www.wateronlin e.com/content/news/ article.asp?docid=0c d0b53e-6bba-4627- bbe8-	Pulp, Paper & Paperboard	& <b>V</b>	No	EPA-HQ-OW-2004-0032-1592
12.1	03214	Publication Copyrighted Material	Use of Reverse Osmosis in the Industrial Sector - DCN 03214	Since it was first introduced in the 1950s, reverse osmosis (RO) has most commonly been used for purifying water and removin salts and other impurities in order to impro the color, taste or properties of the fluid for potability. However, RO is finding increasin uses in industrial applications because of in effectiveness and cost-efficiency.	g ive r ng	Severn Trent Services, Inc.	03/07/2006	Water Online, http://www.wateronlin e.com/content/news/ article.asp?docid={e 0ce4e5e-7f39-4187- b741- 61bcd86ccd57}			No	EPA-HQ-OW-2004-0032-1593
12.1	03219	Letter, Memorandum, Email	Memorandum to the Docket: Meeting Minutes of EPA and SOCMA Discussion of SOCMA Comments On the Preliminary 2006 Effluent Guidelines Plan (6 March 2006) - DCN 03219		42	Johnston, Carey A., US EPA	04/06/2006		Organic Cher Plastics & Synthetic Fibers (OCPSF)	m, 🗌	No	EPA-HQ-OW-2004-0032-1958
12.1	03232	Publication Copyrighted Material	Use 'Used' Water - DCN 03232	Water and wastewater guru Paul Puckoriu looks at water conservation with evaporati cooling water equipment		Puckorius, Paul	05/01/2003	http://www.process- cooling.com/CDA/Art icles/Water_Works (accessed 7/26/06)			No	EPA-HQ-OW-2004-0032-2457
12.1	03233	Publication Copyrighted Material	Water Conservation Via Optimizing Water Use - DCN 03233	Paul Puckorius begins a discussion about water conservation through the use of evaporative cooling water systems.	3	Puckorius, Paul	11/01/2002	http://www.process- cooling.com/CDA/Art icles/Water_Works (accessed 7/26/06)			No	EPA-HQ-OW-2004-0032-2459
12.1	03234	Publication Copyrighted Material	Guidelines for Water Reuse and Conservation - DCN 03234	Water conservation via water reuse has environmental and economical benefits. The key to successful water reuse is to identify the quality and quantity of used water and their impact on the process that will use it.	,	Puckorius, Paul	12/04/2000	http://www.process- cooling.com/CDA/Art icles/Water_Works (accessed 7/26/06)			No	EPA-HQ-OW-2004-0032-2460

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12.1	03254	Publication Other Government	The Genesse River Basin Action Strategy - DCN 03254		180	Genessee/Fi nger Lakes Reg Planning Council	10/01/2004	http://www.gflrpc.org/ Publications/GenRiv erActionStrategy.htm			No	EPA-HQ-OW-2004-0032-2462
12.1	03276	Publication Copyrighted Material	A Membrane for All Seasons: Flexible design allows membrane treatment systems to fit almost any wastewater application - DCN 03276		5	Brady, Francis J.	08/01/2006	Environmental Protection, Vol. 17, No. 6., http://www.stevenspu blishing.com/stevens /eppub.nsf/PubHome /E54E8ADC3ED3C6			No	EPA-HQ-OW-2004-0032-2463
12.1	03305	Letter, Memorandum, Email	Memorandum to Public Record: Meeting Minutes of EPA and SOCMA Discussion of Water Conservation and Granular Activated Carbon (GAC) Treatment (13 April 2006) - DCN 03305		18	Johnston, Carey A., US EPA	08/02/2006		Organic Chem Plastics & Synthetic Fibers (OCPSF)	ı, 🗌	No	EPA-HQ-OW-2004-0032-2464
12.1	03310	Letter, Memorandum, Email	Letter to Ms. Lee Salamone, CMA, Re: CMA's Request for Revision of EPA's Guidance on the Appropriate Process Wastewater Flow Value for use in OCPSF Mass-Based Permit Limits (5 July 1994) - DCN 03310		14	Jett, George, USEPA	07/05/1994		Organic Chem Plastics & Synthetic Fibers (OCPSF)	,	No	EPA-HQ-OW-2004-0032-2465
12.1	03334	Letter, Memorandum, Email	Memorandum to the Public Record: Notes from WaterWorld's Online Webcast Industrial Cooling Water Reuse Monitoring Solutions to Meet the Challenges of Today's Industrial Environment (8 March 2006) - DCN 03334		2	Carey Johnston, USEPA	08/14/2006				No	EPA-HQ-OW-2004-0032-2466
12.1	03335	Publication Copyrighted Material	Solutions to Meet the Challenges of Today's Industrial Environment - DCN 03335	The protection of water resources is vital in today's environment. The largest users of water in many industrial and manufacturing settings is the utilities section - cooling wat and boiler water. Not only is proper control integral to successfully running these processes, the conservation of these water resources in equally important.	) er	Kiser, Phil, Hach Company	03/08/2006	http://ww.pennnet.co m/webcast/display_w ebcast.cfm?id=169			No	EPA-HQ-OW-2004-0032-2467.1

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12.1	03341	Publication Other Government	Water Efficiency Manual for Commercial, Industrial, and Institutional Facilities - DCN 03341	A section of the North Carolina Division of Pollution Prevention and Environmental Assistance's Manual on Water Efficiency, which addresses the restaurant industry's water usage.	-	North Carolina, DPPEA	08/01/1998	http://www.p2pays.or g/ref/01/00692.pdf	Food Service Establishmen		No	EPA-HQ-OW-2004-0032-2468
12.1	03375	Comment Response	Metal Finishing Comment Summary and Response - DCN 03375	Mass Based vs. Concentration-Based Limits, Legal Issues	6				Water Conservation		No	EPA-HQ-OW-2004-0032-2469
12.1	03383	Publication Copyrighted Material	GE's RO Technology Helps Chemical Plant Reduce Water Consumption - DCN 03383 And Wastewater Generation		2	GE Water & Process Technologies		Water Online, http://www.wateronlin e.com/content/news/ article.asp?docid=5a 552b6c-b594-47ee- 9163-ae8ee76f6175			No	EPA-HQ-OW-2004-0032-2470
12.1	03384	Letter, Memorandum, Email	Email to Libby Ford, Nixon Peabody - DCN 03384	Email requesting additional information on data sets provided by Arkema to EPA.	7	Johnston, Carey A., US EPA	05/21/2006		Organic Cher Plastics & Synthetic Fibers (OCPSF)	n, 🗌	No	EPA-HQ-OW-2004-0032-2471
12.1	03385	Data	Data Submitted by Arkema for Flow, BOD, and TOC for 1996 to 2005 - DCN 03385	Data submitted by Libby Ford, Nixon Peabody to Carey Johnston, EPA on 12/01/2005.	88	Ford, Libby, Nixon Peabody	12/01/2005	Arkema	Organic Cher Plastics & Synthetic Fibers (OCPSF)	n, 🗌	No	EPA-HQ-OW-2004-0032-2472
12.1	03404	Meeting or Teleconference Materials	Wastewater Treatment Plant Schematic for the Arkema, Inc. Geneseo, NY Facility - DCN 03404		1	Arkema, Inc.	08/01/1997	Arkema, Inc.	Organic Cher Plastics & Synthetic Fibers (OCPSF)	n, 🗌	Yes	EPA-HQ-OW-2004-0032-2474

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12.1	03405	Publication Copyrighted Material	Pretreatment by force: A new twist on membrane filtration using porous ceramic - DCN 03405		5		10/01/2000	http://www.ilmagonlin e.com/members/arch ive_result.php?type_i d=feature&id=152 (accessed 8/23/2006)			No	EPA-HQ-OW-2004-0032-2475
12.1	03408	Letter, Memorandum, Email	Memorandum to Regional Water Management Division Directors: NPDES Permitting Strategy for OCPSF Industry Direct Dischargers - DCN 03408		68	Elder, James, USEPA/Ofc of Wtr Enf/Permits	02/16/1989		Organic Chen Plastics & Synthetic Fibers (OCPSF)	n, 🗌	No	EPA-HQ-OW-2004-0032-2477
12.1	03409	Letter, Memorandum, Email	Memorandum to Regional Water Management Division Directors: Questions and Answers Regarding the OCSPF Effluent Limitations Guidelines - DCN 03409		13	Elder, James, USEPA/Ofc of Wtr Enf/Permits	10/12/1988		Organic Chen Plastics & Synthetic Fibers (OCPSF)	n, 🗌	No	EPA-HQ-OW-2004-0032-2478
12.1	03410	Letter, Memorandum, Email	Memorandum to Regional Water Management Division Directors: Effluent Guidelines for the Organic Chemicals and Plastics and Synthetic Fibers Industrial Category - DCN 03410		9	Elder, James, USEPA/Ofc of Wtr Enf/Permits	02/08/1988		Organic Chen Plastics & Synthetic Fibers (OCPSF)	n, 🗆	No	EPA-HQ-OW-2004-0032-2480
12.1	03411	Letter, Memorandum, Email	Memorandum to OCPSF Record: Maximum Demonstrated Influent Levels for In-plant Biological Treatment - DCN 03411		18	Shattuck, Art, SAIC	05/20/1993		Organic Chen Plastics & Synthetic Fibers (OCPSF)	n, 🗆	No	EPA-HQ-OW-2004-0032-2481
12.1	03412	Letter, Memorandum, Email	Memorandum to OCPSF Record: Effect of BOD Influent Levels on Food-to-Mass (F/M) Ratios at Detention Times Observed at OCPSF Plants and Used in OCPSF Cost Estimation - DCN 03412		4	Shattuck, Art, SAIC	05/21/1993		Organic Chen Plastics & Synthetic Fibers (OCPSF)	n, 🗌	No	EPA-HQ-OW-2004-0032-2482

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12.1	03418	Letter, Memorandum, Email	Memorandum to Public Record: EPA's Response to Comments Related to Water Conservation for the 1993 OCPSF Rulemaking - DCN 03418		18	Johnston, Carey, US EPA	08/24/2006		Organic Chen Plastics & Synthetic Fibers (OCPSF)	n, 🗌	No	EPA-HQ-OW-2004-0032-2484
12.1	03419	Publication Copyrighted Material	Reclamation Technology Proves Cost-Effective at Cal Linen - DCN 03419		5	Rock, Charles	07/01/1997	http://www.ilmagonlin e.com/members/arch ive_result.php?type_i d=feature&id=372			No	EPA-HQ-OW-2004-0032-2485
12.1	03420	Publication Copyrighted Material	Finding your balance in water quality tightrope act - DCN 03420		5	John J. Schultz and Kevin P. McLaren	10/01/2003	http://www.ilmagonlin e.com/members/arch ive_result.php?type_i d=feature&id=1075			No	EPA-HQ-OW-2004-0032-2486
12.1	03557	Publication Copyrighted Material	Cia Nitro Quimica Brasileira Receives The 2006 GE Ecomagination Award For Its Outstanding Environmental Leadership (Case Study) - DCN 03557		7	GE Water & Process Technologies	08/01/2006	Chemical Engineering Magazine Newsletter, 8/2006			No	EPA-HQ-OW-2004-0032-2488
12.1	03575	Publication Copyrighted Material	Siemens Water Technologies Helps Petrochemical Project Meet Stringent Environmental Discharge, Reuse Regulations - DCN 03575		2	Siemens Water Technologies	08/01/2000	Water Online Newsletter, http://www.wateronlin e.com/content/news/ article.asp?docid=c6 bf4106-5485-4233- ba9b-7c19852500e4	Petroleum Refining		No	EPA-HQ-OW-2004-0032-2489
12.1	03578	Publication Copyrighted Material	Mooove It On Over: Software Aids Dairies in Reducing Water, Energy Waste - DCN 03578		2	Nelson, Craig	08/01/2006	Industrial WaterWorld, http://ww.pennet.co m/Articles/Article_Dis play.cfm?Section=A RTCL&ARTICLE_ID =268744&VERSION	Dairy Product Processing	s 🔽	No	EPA-HQ-OW-2004-0032-2491

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12.1	03581	Publication Copyrighted Material	Remove Oils and Solvents Without Slowing the Flow - DCN 03581		6	Abbott, K. W., Aymong, Greg G.	05/01/2004	Pollution Engineering, http://www.pollutione ng.com/CDA/Archive s/11e8befe2fd68010 VgnVCM100000f932 a8c0 (accessed			No	EPA-HQ-OW-2004-0032-2492
12.1	03595	Letter, Memorandum, Email	Memorandum to Public Repord: Implementation of Water Conservation Measures (Revision of 26 August 2005 Memo, EPA-HQ-OW-2004-0032-0977) - DCN 03595		43	Johnston, Carey, USEPA	09/07/2006				No	EPA-HQ-OW-2004-0032-2494
12.1	03632	Publication Copyrighted Material	Granular Activated Carbon for Water & Wastewater Treatment - DCN 03632	Technical information on granular activate carbon treatment including background or adsorption and design considerations published by CARBTROL® Corporation.		CARBTROL Corporation	09/01/1992	http://www.carbtrol.c om/technical_inform ation.html	Organic Chen Plastics & Synthetic Fibers (OCPSF)	n, 🔽	No	EPA-HQ-OW-2004-0032-2495
12.1	03667	Meeting or Teleconference Materials	Meeting Minutes of the EPA and Arkema Discussion of Water Conservation at the Arkema Facility in Geneseo, NY (22 May 2006) - DCN 03667	EPA and Arkema representatives participated in a teleconference on Monda 22 May 2006. The purpose of the teleconference was to discuss EPA's questions on the comments and data submitted by Arkema on the Organic Chemicals, Plastics, and Synthetic Fibers (OCPSF) effluent guidelines (40 CFR 414 for the preliminary 2006 Effluent Guideline Program Plan.	)	Johnston, Carey, US EPA	09/06/2006		Organic Chen Plastics & Synthetic Fibers (OCPSF)	n, 🗌	No	EPA-HQ-OW-2004-0032-2497
12.1	03667A1	Data	Meeting Minutes of the EPA and Arkema Discussion of Water Conservation (22 May 2006) - Data for Figure in Attachment E - DCN 03667A1	This spreadsheet provides the data for Figure 1 presented in Attachment E of the following memorandum, "Meeting Minutes the EPA and Arkema Discussion of Water Conservation (22 May 2006)" for the 2000 Effluent Guidelines Program Plan public record.	s of	Johnston, Carey, US EPA	09/06/2006		Organic Chen Plastics & Synthetic Fibers (OCPSF)	n, 🗌	No	EPA-HQ-OW-2004-0032-2497.1
12.1	03687	Publication Copyrighted Material	What's Driving Reuse: Growing demand and deteriorating water quality is pushing the advancement of reuse technologies - DCN 03687		5	Sundstrom, Glen	09/01/2006	Environmental Protection, 17(7). http://www.stevenspu blishing.com/stevens /eppub.nsf/PubHome /5E8408AD8F0D389 B862571D8006C1E5			No	EPA-HQ-OW-2004-0032-2499

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12.1	03688	Letter, Memorandum, Email	Memorandum to Carey Johnston of EAD: "Summary of VanDeMark Water Conservation Example" - DCN 03688	During a meeting between EPA and the Synthetic Organic Chemicals Manufacture Association (SOCMA) on Monday, 6 Marc 2006, Matthew Barmasse of ISOCHEM provided EPA a letter, dated 23 October 2003, from an ISOCHEM facility to their permitting authority. The letter discusses the issue of water conservation and selection of flow basis for calculating mass limits. This memorandum presents ERG's review of the ISOCHEM example.	h S	Kandle, Meghan, ERG	09/22/2006		Organic Chen Plastics & Synthetic Fibers (OCPSF)	n, 🗌	No	EPA-HQ-OW-2004-0032-2500
12.1	03689	Data	LockportData Database - DCN 03689	The City of Lockport, NY provided monitoring data to EPA that included monitoring data for VanDeMark from 2000 to 2003. The data were compiled in this database and used to generate tables presented in the Memorandum from Meghan Kandle of ERG to Carey Johnstor of EAD: "Summary of VanDeMark Water Conservation Example".		Kandle, Meghan, ERG	09/22/2006		Organic Chen Plastics & Synthetic Fibers (OCPSF)	n, 🗌	No	EPA-HQ-OW-2004-0032-2502
12.1	03699	Publication Copyrighted Material	A Growing Trend? Growth, Regulations, and Drought Drive MBRs - DCN 03699		9	GE Water Process Technologies		http://www.zenon.co m/newsroom/articles/ 2006/04/mbr_for_wat er_reuse.shtml (accessed 8/30/06)	Petroleum Refining		No	EPA-HQ-OW-2004-0032-2504
12.1	03700	Publication Copyrighted Material	Immersed UF Membranes Help Chinese Industry and Environment - DCN 03700		3	Lam, Kenneth, ZENON Environment al Inc.		Water and Wastewater International, March 2005, http://www.zenon.co m/newsroom/articles/ Yanshan.shtml	Petroleum Refining		No	EPA-HQ-OW-2004-0032-2506
12.1	03701	Letter, Memorandum, Email	Memorandum from Carey Johnston of EPA to the Public Record for the 2006 Effluent Guidelines Program Plan EPA Docket Number OW-2004-0032, entitled ""Water Conservation Measures at Arkema Inc. (NPDES Permit No. NY0068225) - DCN 03701	This memorandum summarizes and analyzes Arkema's comments and data submitted in response to EPA's data solicitation (see OW-2004-0032-1045). Th memorandum also incorporates informatio supplied by Arkema in response to EPA's questions on the Arkema comments and data. See Meeting Minutes of the EPA and Arkema Discussion of Water Conservation at the Arkema Facility in Geneseo, NY (22 May 2006), 6 September 2006, DCN 0366	on d 1	Johnston, Carey, USEPA	11/17/2006		Organic Chen Plastics & Synthetic Fibers (OCPSF)	n, 🗌	No	EPA-HQ-OW-2004-0032-2507

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12.1	03701A1	Letter, Memorandum, Email	Johnston EPA to the Public Record for the 2006 Effluent Guidelines Program Plan EPA Docket	Telephone conversation with William Mirabile of NYS DEC and Meghan Kandle ERG. "Arkema SPDES Permit Flow Basis. 11 April 2006.		Johnston, Carey, USEPA	11/17/2006		Organic Che Plastics & Synthetic Fibers (OCPSF)	m, 🗌	No	EPA-HQ-OW-2004-0032-2507.1
12.1	03701A2	Letter, Memorandum, Email	Attachment 2 to the memorandum from Carey Johnston EPA to the Public Record for the 2006 Effluent Guidelines Program Plan EPA Docket Number OW-2004-0032, entitled "Water Conservation Measures at Arkema Inc. (NPDES Permit No. NY0068225) - DCN 03701A2	Contains a copy of the consent order between the New York State Department of Environmental Conservation and Atochem North America, Inc., the predecessor to Arkema Chemicals, Inc.		Johnston, Carey, USEPA	11/17/2006		Organic Che Plastics & Synthetic Fibers (OCPSF)	m, 🗌	No	EPA-HQ-OW-2004-0032-2507.2
12.1	03701A3	Letter, Memorandum, Email	Attachment 3 to the memorandum from Carey Johnston EPA to the Public Record for the 2006 Effluent Guidelines Program Plan EPA Docket Number OW-2004-0032, entitled "Water Conservation Measures at Arkema Inc. (NPDES Permit No. NY0068225) - DCN 03701A3	Arkema Wastewater Monitoring Data for BOD5 and TOC from 1996 to 2005	93	Johnston, Carey, USEPA	11/17/2006		Organic Che Plastics & Synthetic Fibers (OCPSF)	m, 🗆	No	EPA-HQ-OW-2004-0032-2507.3
12.1	03701A4	Letter, Memorandum, Email	Attachment 4 to the memorandum from Carey Johnston of EPA to the Public Record for the 2006 Effluent Guidelines Program Plan EPA Docket Number OW-2004-0032, entitled "Water Conservation Measures at Arkema Inc. (NPDES Permit No. NY0068225) - DCN 03701A4	Arkema Lift Station Flows from 1994 to 200	00 1	Johnston, Carey, USEPA	11/17/2006		Organic Che Plastics & Synthetic Fibers (OCPSF)	m, 🗌	No	EPA-HQ-OW-2004-0032-2507.4
12.1	03701A5	Letter, Memorandum, Email	Attachment 5 to the memorandum from Carey Johnston of EPA to the Public Record for the 2006 Effluent Guidelines Program Plan EPA Docket Number OW-2004-0032, entitled "Water Conservation Measures at Arkema Inc. (NPDES Permit No. NY0068225) - DCN 03701A5	Arkema Wastewater Monitoring Data for BOD5 and TSS from 1999 to 2004	6	Johnston, Carey, USEPA	11/17/2006		Organic Che Plastics & Synthetic Fibers (OCPSF)	m, 🗌	No	EPA-HQ-OW-2004-0032-2507.5
12.1	03702	Letter, Memorandum, Email	Memorandum to Public Record for 2006 Effluent Guidelines Program Plan - DCN 03702	OCPSF Master Memorandum	12	Johnston, Carey, USEPA					No	EPA-HQ-OW-2004-0032-2509

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12.1	03738	Publication Copyrighted Material	VSEP Water Recycling System Commissioned For Australian Hardboards Plant - DCN 03738	New Logic Research, Inc., the maker of VSEP, the vibrating membrane filtration system, announced its participation in the official commissioning ceremony for the Australian Hardboards Water Recycling Plant in Queensland, Australia.	2	New Logic Research	09/26/2006	Water Online Newsletter, http://www.wateronlin e.com/content/news/ article.asp?docid=4a 73b58d-5eec-438c- abc7-f7d892c2a4d4,			No	EPA-HQ-OW-2004-0032-2510
12.1	03764	Publication Copyrighted Material	Self Cleaning Water Filters Keep Spray Nozzles Clear - DCN 03764	Makeup water from the river is uitilized for the fifty million gallon closed loop process water system.		Hancock, Hancock	08/29/2006	Water Online Newsletter, http://www.wateronlin e.com/downloads/det ail.aspx?docid=62a6 ab94-8a42-4e93- 8291-e822ec2c434f	Iron and Stee Manufacturin		No	EPA-HQ-OW-2004-0032-2512
12.1	04085	Letter, Memorandum, Email	Email from William Mirabile of NYS DEC to Carey Johnston of EPA - DCN 04085	William Mirabile provides comments on th draft memorandum entitled, "Water Conservation Measures at Arkema Inc. (NPDES Permit No. NY0068225) [DCN 03701]".	e 3	Mirabile, Wm. P., NYSDEC Bureau Wtr Permit	11/13/2006		Organic Cher Plastics & Synthetic Fibers (OCPSF)	n, 🗌	No	EPA-HQ-OW-2004-0032-2721
12.1	04088	Publication Copyrighted Material	Up-to-Date Tools for Water-System Optimization - DCN 04088		12	Liu, Y.A., Lucas, Bruce, Mann, James G.	01/01/2004	Chemical Engineering, January 2004			No	EPA-HQ-OW-2004-0032-2720
12.1	04094	Publication Copyrighted Material	More than Water: Textile Works Show Benefits of MBR, Water Reuse - DCN 04094		5	ITT Corp.	09/01/2006	Industrial WaterWorld, September 2006 http://ww.pennnet.co m/display_article/276 171/64/ARTCL/none/ none/More_than_Wa	Textile Mills		No	EPA-HQ-OW-2004-0032-2722
12.1	04096	Report	Regulatory Barriers to Water Supply Regional Cooperation and Conservation in New Hampshire: A Report to the New Hampshire Legislature As Required by Chapter 64, Laws of 2000 - DCN 04096	This report fulfills the requirements of Chapter 64, Laws of 2000 for the New Hampshire Department of Environmental Services (DES) and the New Hampshire Public Utilities Commission (PUC) to conduct a study of regulatory structures which encourage or discourage regional cooperation in drinking water resources management and water conservation, and report back to the Legislature with recommendations by June 29, 2001.	21	New Hampshire, DES & PUC	08/14/2001	http://www.des.state. nh.us/pdf/report_DE S-PUC.pdf			No	EPA-HQ-OW-2004-0032-2723

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12.1	04097	Letter, Memorandum, Email	Implementing Water Conservation Measures:Industrial Wastewater Treatment Technology Design and Considerations - DCN 04097		45	Johnston, Carey, EPA/EAD	11/17/2006		Organic Cherr Plastics & Synthetic Fibers (OCPSF)	n, 🗌	No	EPA-HQ-OW-2004-0032-2765
12.1	04098	Publication Copyrighted Material	Wastewater: A Reliable Water Resource - DCN 04098	The chemical process industries and othe industries are benefitting from reclaimed water for utilities as well as process needs		B. Durham and L. Patricia	10/01/2006	Chemical Engineering, www.che.com	Organic Chem Plastics & Synthetic Fibers (OCPSF)	n, 🔽	No	EPA-HQ-OW-2004-0032-2724
12.1	04099	Publication Other Government	Energy Tips – Pumping Systems - DCN 04099		2	DOE, Energy Efficiency	09/01/2005	http://www1.eere.ene rgy.gov/industry/best practices/pdfs/condu ct_in_plant_pumping _systemts1.pdf	Plastics & Synthetic	n, 🗌	No	EPA-HQ-OW-2004-0032-2725
12.1	04100	Publication Copyrighted Material	Energy Efficiency Toolkit For Manufacturers - DCN 04100		20	Manufacturin g Institute	01/01/2000	http://www.fypower.o rg/pdf/manufacturer_ toolkit.pdf	Organic Chem Plastics & Synthetic Fibers (OCPSF)	n, 🔽	No	EPA-HQ-OW-2004-0032-2726
12.1	04101	Publication Copyrighted Material	Process Water Supply — The Big Picture - DCN 04101		3	Peter S. Cartwright	05/01/2005	www.che.com	Organic Chem Plastics & Synthetic Fibers (OCPSF)	n, 🔽	No	EPA-HQ-OW-2004-0032-2727
12.1	04102	Publication Copyrighted Material	Industrial Water Management - DCN 04102		295	Byers, William, et al	01/01/2003	Byers, William, Glen Lindgren, Calvin Noling, Dennis Peters, 2003. Industrial Water Management, American Institute of	Organic Chem Plastics & Synthetic Fibers (OCPSF)	n, 🔽	No	EPA-HQ-OW-2004-0032-2728

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12.1	04103	Letter, Memorandum, Email	Memorandum to Public Record for the 2006 Effluent Guidelines Program Plan EPA Docket No. OW-2004-0032; Re: Review of Effluent Data from Arkema Inc. (NPDES Permit No. NY0068225) [DCN 04103]		4	Johnston, Carey A., Schulman, Andrew EPA	11/17/2006		Organic Cher Plastics & Synthetic Fibers (OCPSF)	n, 🗆	No	EPA-HQ-OW-2004-0032-2729
12.1	04118	Letter, Memorandum, Email	Memorandum to Public Record for the 2006 Effluent Guidelines Program Plan, Docket No. OW-2004-0032 about Incorporation by Reference: Technical Documents on Industrial Effluents and Water Conservation - DCN 04118		1	Johnston, Carey, EPA EAD	12/14/2006				No	EPA-HQ-OW-2004-0032-2748
12.1	04119	Publication Copyrighted Material	Keeping Pretreatment Simple - DCN 04119		3	Graves, Beverly A.	11/01/2001	Product Finishing (http://www.pfonline. com/)	Metal Finishing, Pai 433	<b>∨</b> t	No	EPA-HQ-OW-2004-0032-2749
12.1	04128	Publication Copyrighted Material	A Refined Approach to Wastewater - DCN 04128		5	Hildebrandt, Peter	09/01/2005	Onsite Water Treatment (http://www.onsitewat er.com/ow_0509_toc .html)	Petroleum Refining		No	EPA-HQ-OW-2004-0032-2750
12.1	04130	Publication Copyrighted Material	Membrane Fundamentals, Part3: Effect of pH, Temperature Chemicals and Cleaning Procedures vs. Foulant Removal - DCN 04130		5	Johnson, Jante	09/01/2006	Industrial WaterWorld September, 2006 (http://ww.pennnet.co m/Articles/Article_Dis play.cfm?Section=A RTCL&PUBLICATIO			No	EPA-HQ-OW-2004-0032-2751
12.1	04136	Report	Removing Heavy Metals from Wastewater - DCN 04136	This manual provides general guidelines of how to remove dissolved metals from wastewaters for discharge to sanitary sew systems.		Ayers, D, Davis, A. et al	08/01/1994	Ayers, David M., Davis, Allen P., and Gietka, Paul M. 1994. Removing Heavy Metals from Wastewater, University of	Metal Finishing, Par 433	t .	No	EPA-HQ-OW-2004-0032-2752

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12.1	04137	Publication Other Government	Unified Facilties Criteria: Wastewater Treatment Systems Augmenting Handbook Operation and Maintenance, UFC 3-240-03N - DCN 04137	These "Unified Facilities Criteria" provide general criteria for repairs and utility service to food service equipment.		U.S. Department of Defense	01/16/2004	U.S. Department of Defense, 2004. Wastewater Treatment Systems Augmenting Handbook Operation And	Food Service Establishmen		No	EPA-HQ-OW-2004-0032-2753
12.1	04138	Publication Copyrighted Material	Get the Most out of API Separators - DCN 04138	The keys to maximizing performance include a realistic, educated awareness of the separator's capabilities, an understanding of how the device functions, and an appreciation of what it should have in the way of support equipment.	5	Schultz, Thomas E.	07/01/2005	Schultz, Thomas E., 2005. Get the Most out of API Separators, Chemical Engineering. (July)	Organic Cher Plastics & Synthetic Fibers (OCPSF)	n, 🗹	No	EPA-HQ-OW-2004-0032-2754
12.1	04139	Other	System Design: Membrane System Design Guidelines - DCN 04139	The factor which has the greatest influence on the membrane system design is the fouling tendency of the feed water. Membrane fouling is caused by particles and colloidal material which are present in the feed water and are concentrated at the membrane surface.		Dow Chemical Co	01/01/2004	Dow Chemical Co., 2004. System Design: Membrane System Design Guidelines, Form No. 609-02054-604, http://www.dow.com/	Organic Cher Plastics & Synthetic Fibers (OCPSF)	n, 🗌	No	EPA-HQ-OW-2004-0032-2755
12.1	04140	Publication USEPA	Applicability of Steam Stripping to Organics Removal from Wastewater Streams - DCN 04140	In the past five years the U. S. Environmental Protection Agency has studied the effectiveness of steam stripping as a treatment technique for removing organics from aqueous waste streams. This paper presents the data obtained from field tests of steam strippers at seven industrial facilities. The effectiveness of steam stripin for removing different types of organics from wastewaters is discussed.	s I g	Blaney, Benjamin L.	01/01/2002	http://www.p2pays.or g/ref/23/22522.pdf.	Organic Cher Plastics & Synthetic Fibers (OCPSF)	n, 🗆	No	EPA-HQ-OW-2004-0032-2756
13.1	01583	Study	Steam Electric Study Plan - DCN 01583		6	Weiss, Lori, ERG	12/01/2004		Steam Electri Power Generation	c 🗌	No	EPA-HQ-OW-2004-0032-0339
13.2	01475	Publication Copyrighted Material	Desalination Technology Taps Waste Heat from Power Plants - 01475		2		01/01/2005		Steam Electri Power Generation	c 🔽	No	EPA-HQ-OW-2004-0032-0340

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13.2	01531	Meeting or Teleconference Materials	Telecon with Kenneth McClevey, EIA - 01531		2	Finseth, TJ, ERG	01/12/2005		Steam Electr Power Generation	ic 🗌	No	EPA-HQ-OW-2004-0032-0341
13.2	01533	Register	Steam Electric Power Generating Point Source Category Effluent Limitations Guidelines Pretreatment Standards and New Source Performance Standards - 01533		20	US EPA	11/19/1982		Steam Electr Power Generation	ic 🗌	No	EPA-HQ-OW-2004-0032-0346
13.2	01565	Other	2002 Economic Census: Electric Power Generation, Transmission, and Distribution - 01565		28	US Census Bureau	12/01/2004		Steam Electr Power Generation	ic 🗌	No	EPA-HQ-OW-2004-0032-0347
13.2	01574	Letter, Memorandum, Email	Combined Cycle Electric Generation Plants Steam Electric Point Source Category - 01574		8	Kaplan, Charles, EPA Region 4	12/19/1989		Steam Electr Power Generation	ic 🗌	No	EPA-HQ-OW-2004-0032-0351
13.2	01575	Support Background	List of National Rural Electric Cooperative Association (NRECA) Members - 01575		17	NRECA			Steam Electr Power Generation	ic 🗌	No	EPA-HQ-OW-2004-0032-0353
13.2	01576		Coal Combustion Products Production and Use Figures - 01576		4	American Coal Ash Association			Steam Electr Power Generation	ic 🗌	No	EPA-HQ-OW-2004-0032-0355

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13.2	01577	Publication	A Comparison of Continuous and Intermittent Exposures of Four Species of Aquatic Organisms to Chlorine - 01577		280	UWAG			Steam Electi Power Generation	ic 🗌	No	EPA-HQ-OW-2004-0032-0357
13.2	01581	Letter, Memorandum, Email	Steam Electric Demographic Information - 01581		14	Weiss, Lori, ERG	02/04/2005		Steam Electr Power Generation	ic 🗌	No	EPA-HQ-OW-2004-0032-0361
13.2	01738	Letter, Memorandum, Email	Minutes from February 22, 2005 Meeting between EPA and the Utility Water Act Group (Revised) - DCN 01738		19	Johnston, Carey A., US EPA	04/08/2005		Steam Electi Power Generation	ic 🗌	No	EPA-HQ-OW-2004-0032-0363
13.2	01739	Support Background	Information Provided by UWAG -DCN 01739		235	Segall, Martha	08/15/2005		Steam Electi Power Generation	ic 🗌	No	EPA-HQ-OW-2004-0032-0953
13.2	01807	Publication Copyrighted Material	Market Study Identifies Water Treatment As Key Market for Biocides in China -DCN 01807		2	Wachinski, Anthony M.	07/01/2005		Steam Electi Power Generation	ric 🔽	No	EPA-HQ-OW-2004-0032-0365
13.2	01942	Publication	Project Turns Coal Waste into Valuable Building Material -DCN 01942		2	Stevens Publishing	04/22/2005		Steam Electr Power Generation	ic 🗌	No	EPA-HQ-OW-2004-0032-0375

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13.2	01943	Meeting or Teleconference Materials	"Meeting Between American Electric Power (AEP) and USEPA, AEP's Plans for Integrated Gasification Gas Combined Cycles (IGCC), November 19, 2004." - DCN 01943 -DCN 01943		6	Johnston, Carey A., US EPA	03/21/2005		Steam Electric Power Generation	c 🗌	No	EPA-HQ-OW-2004-0032-0954
13.2	01945	Publication Copyrighted Material	Tampa Electric IGCC Information -DCN 01945		4		06/08/2005		Steam Electric Power Generation	c 🔽	No	EPA-HQ-OW-2004-0032-0377
13.2	02163	Support Background	Steam Electric Chlorine Releases in TRI 2002 - DCN 02163		1	Johnston, Carey A., US EPA	03/09/2005		Steam Electric Power Generation	c 🗌	No	EPA-HQ-OW-2004-0032-0380
13.2	02202	Publication	EPCRA Section 313 Industry Guidance - Electricity Generating Facilities - DCN 02202		148		02/01/2000		Steam Electric Power Generation	c 🗆	No	EPA-HQ-OW-2004-0032-0381
13.2	02203	Report	Profile of the Fossil Fuel Electric Power Generation Industry - DCN 02203		164		09/01/1997		Steam Electric Power Generation	c 🗌	No	EPA-HQ-OW-2004-0032-0382
13.2	02206	Data	316(b) Survey Request - DCN 02206		0	Tetra Tech	04/25/2005		Steam Electric Power Generation	c 🗌	Yes	EPA-HQ-OW-2004-0032-0383

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13.2	02207	Data	316(b) Survey Request for Industrial Nonutilities - DCN 02207		0	Tetra Tech	05/16/2005		Steam Electri Power Generation	c 🗆	Yes	EPA-HQ-OW-2004-0032-0384
13.2	02208	Data	316(b) Cooling Water Intake Structures Rulemaking Database - Part II - DCN 02208	The 304m project requested data on stear electric facilities from the 316(b) rulemaking. Information is CBI.	m 0	Tetra Tech	05/16/2005		Steam Electri Power Generation	c 🗆	Yes	EPA-HQ-OW-2004-0032-0385
13.2	02259	Study	Coal Ash Chemical Properties and Potential Influence on Water Quality - DCN 02259	Disposal and/or use of coal ash is becomi a major issue because of its potential to contaminante surface and groundwater w As, B, heavy metals, etc. Knowledge of th chemistry of fly ash is essential in developing a methodology that can predic release rate(s) and concentration(s) of chemical constituents of environmental concern.	ith he	Evangelou, V.P.		Proceedings of Coal Combustion By- Products Associated with Coal Mining - Interactive Forum; Southern Illinois University at	Steam Electri Power Generation	c 🗆	No	EPA-HQ-OW-2004-0032-0342
13.2	02261	Support Background	Response of the United States of America to Submission on Enforcement Matters 04-005 (Coal-Fired Power Plants) - DCN 02261		80	Ayres, Judith E., Asst Administor	04/25/2005		Steam Electri Power Generation	c 🗌	No	EPA-HQ-OW-2004-0032-0343
13.2	02265	Letter, Memorandum, Email	Steam Electric Query Documentation - DCN 02265		16	Finseth, TJ, ERG	08/11/2005		Steam Electri Power Generation	c 🗌	No	EPA-HQ-OW-2004-0032-0344
13.2	02268	Letter, Memorandum, Email	Teleconference with EPA with UWAG on April 14, 2005 - DCN 02268		3	Weiss, Lori, ERG	04/29/2005		Steam Electri Power Generation	c 🗌	No	EPA-HQ-OW-2004-0032-0345

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13.2	02282	Data	EIA Steam Electric Database - DCN 02282		0	Finseth, TJ, ERG	08/11/2005		Steam Electri Power Generation	c 🗌	No	EPA-HQ-OW-2004-0032-0348
13.2	02283	Data	TRI 2002 Steam Electric Database - DCN 02283		0	Finseth, TJ, ERG	08/11/2005		Steam Electri Power Generation	c 🗆	No	EPA-HQ-OW-2004-0032-0349
13.2	02284	Data	Link Steam to PCS & TRI Database - DCN 02284		0	Finseth, TJ, ERG	08/11/2005		Steam Electri Power Generation	c 🗆	No	EPA-HQ-OW-2004-0032-0350
13.2	02285	Data	PCS 2002 Steam Electric Database - DCN 02285		0	Finseth, TJ, ERG	08/11/2005		Steam Electri Power Generation	c 🗆	No	EPA-HQ-OW-2004-0032-0352
13.2	02291	Letter, Memorandum, Email	Steam Electric Query Documentation - DCN 02291		16	Finseth, TJ, ERG	08/11/2005		Steam Electri Power Generation	c 🗌	No	EPA-HQ-OW-2004-0032-0356
13.2	02311	Meeting or Teleconference Materials	Teleconference with EPA and UWAG on March 24. 2005 - DCN 02311		3	Weiss, Lori, ERG	03/24/2005		Steam Electri Power Generation	c 🗌	No	EPA-HQ-OW-2004-0032-0358

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13.2	02313	Report	Inventory of Electric Nonutility Power Plants in the United States 2000, Office of Coal, Nuclear, Electric and Alternate Fuels - DCN 02313		257	Energy Information Administratio n	01/01/2003		Steam Electri Power Generation	c 🗌	No	EPA-HQ-OW-2004-0032-0360
13.2	02314	Publication	The Changing Structure of the Electric Power Industry 2000: An Update - DCN 02314		143	Energy Information Administratio n	10/01/2000		Steam Electri Power Generation	c 🗌	No	EPA-HQ-OW-2004-0032-0362
13.2	02315	Report	National Energy Policy, Report of the National Energy Policy - DCN 02315		170	Depart of Energy	05/01/2001		Steam Electri Power Generation	c 🗌	No	EPA-HQ-OW-2004-0032-0364
13.2	02316	Report	Inventory of Electric Utility Power Plants in the United States - DCN 02316		343	Energy Information Administratio n	03/01/2002		Steam Electri Power Generation	c 🗌	No	EPA-HQ-OW-2004-0032-0366
13.2	02317	Publication	How to Protect Open Recirculating Cooling Systems - DCN 02317		12	Ascolese, Charles R.	09/12/2000		Steam Electri Power Generation	c 🗌	No	EPA-HQ-OW-2004-0032-0368
13.2	02318	Publication Copyrighted Material	A focus on Chlorine Dioxide: The "Ideal" Biocide, Paper No. 472, The NACE Annual Conference and Corrosion Show - DCN 02318		35	Simpson, G.D., R.F. Miller et al	01/01/1992		Steam Electri Power Generation	с 🔽	No	EPA-HQ-OW-2004-0032-0369

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13.2	02319	Letter, Memorandum, Email	Steam Electric Power Generating ELG - DCN 02319		2	Phillips, David, EPA Region 4	04/04/2005		Steam Electri Power Generation	c 🗆	No	EPA-HQ-OW-2004-0032-0372
13.2	02323	Report	Special Report No. 39: Section 7 - Appendix, A Comparsion of Continueous and Intermittant Exposures of Four Species of Aquatic Organisms to Chlorine - DCN 02323		136	Brooks, Arthur S. Donald C. Szmania et al	03/01/1989		Steam Electri Power Generation	c 🗆	No	EPA-HQ-OW-2004-0032-0378
13.2	02748	Letter, Memorandum, Email	Meeting Minutes of EPA and UWAG on the Preliminary 2006 Effluent Guidelines Plan (17 April 2006) - DCN 02748		16	Johnston, Carey A., US EPA	04/18/2006		Steam Electri Power Generation	c 🗆	No	EPA-HQ-OW-2004-0032-1959
13.2	03036	Publication USEPA	Characterization of Mercury - Enriched Coal Combustion Residues - DCN 03036 from Electric Utilities Using Enhanced Sorbents for Mercury Control	The report evaluates changes that may occur to coal-fired power plant air pollution control residues from the use of activated carbon and other enhanced sorbents for reducing air emissions of mercury, and the potential for leaching of captured pollutant during the disposal or use of these residues. Leaching of mercury, arsenic, a selenium during land disposal or beneficia use of coal combustion residues is the environmental impact pathway evaluated this report.	e ts Ind al	Sanchez, F. et al.	02/01/2006		Steam Electri Power Generation	c 🗆	No	EPA-HQ-OW-2004-0032-2195
13.2	03356	Publication Copyrighted Material	Managing Coal Combustion Residues in Mines - DCN 03356	Addresses the issue of using CCRs as backfill for mines and describes approach to address responsible management of th wastes across a range of conditions. The report presents consensus of federal and state officials, the coal mining and utility industries, concerned citizens, and variou technical and scientific specialists.	e	NRC of the National Academies		Prepublication copy; National Academies Press, Washington DC	Steam Electri Power Generation	c 🗹	No	EPA-HQ-OW-2004-0032-2002

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13.2	03357	Publication Other Government	Comparative Statistics: 1997 Economic Census Core Business Statistics Series - DCN 03357		595	U.S. Census Bureau	06/01/2000	EC97X-CS2; http://www.census.go v/epcd/ec97sic/97x- cs2.pdf	Steam Electri Power Generation	c 🗆	No	EPA-HQ-OW-2004-0032-2003
13.2	03358	Publication Other Government	1997 U.S. NAICS Codes and Titles - DCN 03358		46	U.S. Census Bureau	01/01/1998	http://www.census.go v/epcd/naics/naicsco d.txt	Steam Electric Power Generation	c 🗌	No	EPA-HQ-OW-2004-0032-2004
13.2	03359	Publication Other Government	Energy Information Administration Glossary - DCN 03359		269	Energy Information Administratio n	06/01/2006	http://www.eia.doe.g	Steam Electric Power Generation	c 🗆	No	EPA-HQ-OW-2004-0032-2005
13.2	03396	Letter, Memorandum, Email	Memorandum to Public Record for 2006 Effluent Guidelines Program Plan: Revised Meeting Minutes from Teleconference between EPA and UWAG on November 17, 2005 - DCN 03396	Revised Meeting Minutes from Teleconference between EPA and UWAG on November 17, 2005.	23	Johnston, Carey A., US EPA	12/14/2005				No	EPA-HQ-OW-2004-0032-2007
13.2	03397	Publication Copyrighted Material	PA Initiative Aims to Help Utilities Build Gassification Plants - DCN 03397	Brief article about a State-funded intiative coal-fired power plants to build coal gassification plants (instead of updating older facilities) in order to meet more stringent air quality standards.	for 1	Levy, Marc	11/28/2005	Levy, M; "PA Initiative Aims to Help Utilities Build Gassification Plants"; Centre Daily Times; Nov 28, 2005;	Steam Electric Power Generation		No	EPA-HQ-OW-2004-0032-2008
13.2	03398	Publication Copyrighted Material	EPA Rejection of Integrated Gasification Combined Cycle In Air Permits Paves Way For Coal Plant Battles - DCN 03398	Article describing EPA's decision not to require permitters to consider IGCC technology in BACT for new coal-fired power plants	3	Obey, Doug		Obey, D; "EPA Rejection of IGCC In Air Permits Paves Way For Coal Plant Battles"; Inside EPA; Dec 14 2005; http://insideepa.com/	Steam Electric Power Generation	c 🗹	No	EPA-HQ-OW-2004-0032-2009

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13.2	03532	Letter, Memorandum, Email	Email to Elizabeth Alridge, Hunton & Williams - DCN 03532	Crosswalk Of All Steam Generating Facilit	ties 1	Johnston, Carey, USEPA	12/29/2005		Steam Electri Power Generation	c 🗌	No	EPA-HQ-OW-2004-0032-2010
13.2	03532A1	Letter, Memorandum, Email	Memorandum to Carey Johnston, USEPA - DCN 03532A1	EPA Linkage of Steam Electric Facility Records in the PCS, TRI, and EIA Databases	3	T. J. Finseth, ERG	11/25/2005		Steam Electri Power Generation	c 🗆	No	EPA-HQ-OW-2004-0032-2011
13.2	03532A2	Data	Linked Steam Electric Utilities and Nonindustrial Nonutilities - November 18, 2005 - DCN 03532A2	List of plants, EIA ID, NPDESID, and TRII	D 28				Steam Electri Power Generation	c 🗌	No	EPA-HQ-OW-2004-0032-2012
13.2	03533	Letter, Memorandum, Email	Email to Elizabeth Alridge, Hunton & Williams - DCN 03533	Request for Information about Draft USW/ Document That Suggests Voluntary Management Standards For CCW Waste	AG 1	Johnston, Carey, USEPA	11/23/2005		Steam Electri Power Generation	c 🗆	No	EPA-HQ-OW-2004-0032-2013
13.2	03533A1	Letter, Memorandum, Email	Utility Industry Action Plan for the Management of Coal Combustion Products - DCN 03533A1	The Utility Solid Waste Activities Group is pleased to submit the Utility Industry Actio Plan to address environmental issues related to the generation, storage and disposal of coal combustion products.	8 in	Utility Solid Waste Activities Group	04/22/2003		Steam Electri Power Generation	с 🗌	No	EPA-HQ-OW-2004-0032-2014
13.2	03534	Letter, Memorandum, Email	Email to Elizabeth Alridge, Hunton & Williams - DCN 03534	EPA/UWAG Telecon on Thursday (11/17/05) at 10AM	2	Johston, Carey, USEPA	11/15/2005		Steam Electri Power Generation	c 🗌	No	EPA-HQ-OW-2004-0032-2015

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13.2	03534A1	Other	EPA Questions for the Utility Water Act Group (UWAG) November 17, 2005 Teleconference - DCN 03534A1		4	USEPA			Steam Elect Power Generation	ric 🗌	No	EPA-HQ-OW-2004-0032-2016
13.2	03534A2	Other	EPA Questions and Responses Received August 2005 from the Utility Water Act Group (UWAG) November 17, 2005 Teleconference - DCN 03534A2	EPA is seeking additional input on identifying alternative sources for data/information that were unable to be provided by UWAG and their members, or appropriate methods for estimating them of collecting new data. EPA is especially interested in data related to Questions 2, 3 4, and 5 below.	r	USEPA			Steam Elect Power Generation	ric 🗌	No	EPA-HQ-OW-2004-0032-2017
13.2	03535	Letter, Memorandum, Email	Email to Carey Johnston and Martha Segall, USEPA - DCN 03535	Transmittal of Excel Data Files	1	Aldridge, Elizabeth, Hunton & Williams	12/29/2005		Steam Elect Power Generation	ric 🗌	No	EPA-HQ-OW-2004-0032-2018
13.2	03535A1	Other	INDEX to Supporting Data Provided to EPA (as Contained in Appendices C-O to UWAG's November 28, 2005 Comments on Effluent Guidelines Plan) - DCN 03535A1		3				Steam Elect Power Generation	ric 🗌	No	EPA-HQ-OW-2004-0032-2019
13.2	03535A2	Data	Supporting PCS Data to EPA - DCN 03535A2	Facility-specific corrections to PCS data for steam electric facilities provided by UWAC Is spreadsheet form.					Steam Elect Power Generation	ric 🗌	No	EPA-HQ-OW-2004-0032-2020
13.2	03536	Letter, Memorandum, Email	Email to Donna Hill, Southern Co DCN 03536	Transmittal of Request to UWAG for additional Clarification on Comments & Da	1 ata.	Jordon, Ronald, USEPA	03/14/2006		Steam Elect Power Generation	ric	No	EPA-HQ-OW-2004-0032-2021

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13.2	03536A1	Letter, Memorandum, Email	Memorandum to Donna Hill, Utility Water Action Group - DCN 03536A1	Request for Additional Clarification Regarding Comments on the Detailed Study of the Effluent Guidelines for the Steam Electric Power Generation Point Source Category.	3	Jordon, Ronald, USEPA	03/14/2006		Steam Electri Power Generation	ic 🗌	No	EPA-HQ-OW-2004-0032-2022
13.2	03536A2	Other	Data Available from PCS - DCN 03536A2		3				Steam Electri Power Generation	ic 🗌	No	EPA-HQ-OW-2004-0032-2023
13.2	03536A3	Data	Corrections to PCS Loads 2002 Suggested by UWAG - DCN 03536A3		9				Steam Electri Power Generation	ic 🗌	No	EPA-HQ-OW-2004-0032-2024
13.2	03536A4	Data	Commenter Data (ERG's Calculations) - DCN 03536A4		120				Steam Electri Power Generation	ic 🗌	No	EPA-HQ-OW-2004-0032-2025
13.2	03537	Letter, Memorandum, Email	Email to Donna Hill, Utility Water Act Group, Southern Co DCN 03537	Transmittal of Request for UWAG Additional Clarification on Comments & Data	1	Jordan, Ronald, USEPA	04/13/2006		Steam Electri Power Generation	ic 🗌	No	EPA-HQ-OW-2004-0032-2026
13.2	03537A1	Letter, Memorandum, Email	Memorandum to Donna Hill, Utility Water Act Group - DCN 03537A1	Questions Regarding Biocide Use and Best Management Practices for the Steam Electric Power Generation Point Source Category	5	Jordan, Ronald, USEPA	04/12/2006		Steam Electri Power Generation	ic 🗌	No	EPA-HQ-OW-2004-0032-2026.1

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13.2	03538	Letter, Memorandum, Email	Email to Carey Johnston, USEPA - DCN 03538	Transmittal of UWAG Letter Addressing Several Technical Issues	1	Aldridge, Elizabeth, Hunton & Williams	02/14/2006		Steam Electi Power Generation	ic 🗌	No	EPA-HQ-OW-2004-0032-2028
13.2	03538A1	Letter, Memorandum, Email	Letter to Carey Johnston, USEPA - DCN 03538A1	Requests for Information on Various Aspects of the Steam Electric Industry	28	Hill, Donna, UWAG	02/13/2006		Steam Electr Power Generation	ic 🗌	No	EPA-HQ-OW-2004-0032-2028.1
13.2	03539	Letter, Memorandum, Email	Email to Ephraim King, Director, Office of Science and Technology USEPA - DCN 03539	Transmittal of Letter with framework for discussion	1	Hill, Donna, UWAG	04/13/2006		Steam Electr Power Generation	ic 🗌	No	EPA-HQ-OW-2004-0032-2029
13.2	03539A1	Letter, Memorandum, Email	Letter to Ephraim King, USEPA - DCN 03539A1	2006 Effluent Guidelines Plan: There is N Basis for Revision of the Steam Electric Effluent Guidelines.	o 13	Hill, Donna, UWAG	04/12/2006		Steam Electr Power Generation	ic 🗌	No	EPA-HQ-OW-2004-0032-2029.1
13.2	03540	Letter, Memorandum, Email	Email to Ron Jordan, USEPA - DCN 03540	Transmittal of UWAG - Additional Clarification on Comments and Data.	3	Eramian, Cindy, Hunton & Williams	04/12/2006		Steam Electi Power Generation	ic 🗌	No	EPA-HQ-OW-2004-0032-2027
13.2	03540A1	Letter, Memorandum, Email	Memorandum to Ron Jordan, USEPA - DCN 03540A1	Response to 3/14/06 Request for Addition Clarification Regarding Comments on Detailed Study of Effluent Guidelines for Steam Electric Power Generation Point Source Category	nal 1	Aldridge, Elizabeth, Counsel to UWAG	04/12/2006		Steam Electi Power Generation	ic 🗌	No	EPA-HQ-OW-2004-0032-2027.1

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13.2	03540A2	Other	Deco-Belle River DMRs 2001 - DCN 03540A2		11	Deco-Belle River Plant	12/01/2001		Steam Electr Power Generation	ic 🗌	No	EPA-HQ-OW-2004-0032-2027.2
13.2	03540A3	Letter, Memorandum, Email	Letter to Michigan, DEQ - DCN 03540A3	Detroit Edison Company Discharge Monitoring Report Deco-Belle River Powe Plant: NPDES Permit Number MI0038172	4 r	Goodman, James T.	01/14/2003		Steam Electr Power Generation	ic 🗌	No	EPA-HQ-OW-2004-0032-2027.3
13.2	03540A4	Permit, Registration	Permit No. MI0001422, Part I - DCN 03540A4		1	State of Michigan			Steam Electr Power Generation	ic 🗌	No	EPA-HQ-OW-2004-0032-2027.4
13.2	03540A5	Data	CECO-JH Campbell Power Plant DMR 2001 - DCN 03540A5		1	CECO-JH Campbell Power Plant	02/01/2001		Steam Electr Power Generation	ic 🗌	No	EPA-HQ-OW-2004-0032-2027.5
13.2	03540A6	Data	TVA-Allen Steam Plant DMR - DCN 03540A6		14	TVA-Allen Steam Plant	12/01/2005		Steam Electr Power Generation	ic 🗌	No	EPA-HQ-OW-2004-0032-2027.6
13.2	03540A7	Letter, Memorandum, Email	Email to Cindy Eramian, Hunton & Williams - DCN 03540A7	Forwarded letter from Kevin Barret about NOV Closeout Letter	7	Beardsley, Daniel	04/05/2006		Steam Electr Power Generation	ic 🗌	No	EPA-HQ-OW-2004-0032-2027.7

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13.2	03540A8	Letter, Memorandum, Email	Letter to Allyn Turner, West Virginia DEP - DCN 03540A8	Mountaineer Plant NPDES Permit No. WV0048500 Stormwater Monitoring Repor	3 t	Tulloh, David, American Electric Power	07/01/2002		Steam Electi Power Generation	ic 🗌	No	EPA-HQ-OW-2004-0032-2027.8
13.2	03541	Letter, Memorandum, Email	Email to Ron Jordan - DCN 03541	Transmittal of UWAG Additional Clarification on Comments & Data	on 3	Eramian, Cindy, Hunton & Williams	04/25/2006		Steam Electr Power Generation	ic 🗌	No	EPA-HQ-OW-2004-0032-2030
13.2	03541A1	Letter, Memorandum, Email	Memorandum to Ron Jordan, USEPA - DCN 03541A1	Transmittal of Response to 3/14/06 Request for Additional Clarification Regarding Comments on Detailed Study of Effluent Guidelines for Steam Electric Power Generation Point Source Category	st 1	Aldridge, Elizabeth, Counsel to UWAG	04/20/2006		Steam Electi Power Generation	ic 🗌	No	EPA-HQ-OW-2004-0032-2030.1
13.2	03541A2	Data	Detroit Edison Analytical Report - DCN 03541A2		2	Tri Matrix Laboratories, Inc.	03/01/2003		Steam Electr Power Generation	ic 🗌	No	EPA-HQ-OW-2004-0032-2030.2
13.2	03541A3	Data	Richmond Point Boron Data - DCN 03541A3		37		12/01/2002		Steam Electi Power Generation	ic 🗌	No	EPA-HQ-OW-2004-0032-2030.3
13.2	03542	Letter, Memorandum, Email	Memorandum to the Public Record for the 2006 Effluent Guidelines Program Plan: Meeting Minutes from Teleconference between EPA and UWAG on December 14, 2005 - DCN 03542	between EPA and UWAG on December 14	7 I,	Johnston, Carey, USEPA	12/23/2005		Steam Electr Power Generation	ic 🗌	No	EPA-HQ-OW-2004-0032-2031

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13.2	03543	Letter, Memorandum, Email	Email to Ron Jordan, USEPA - DCN 03543	Transmittal of UWAG's Response to Bioci Questions	ide 1	Aldridge, Elizabeth, Counsel to UWAG	06/01/2006		Steam Electri Power Generation	ic 🗌	No	EPA-HQ-OW-2004-0032-2032
13.2	03543A1	Letter, Memorandum, Email	Letter to Ronald Jordan, USEPA - DCN 03543A1	Responses to Selected Questions on Biocide Use and Best Management Practices	8	Hill, Donna, UWAG	06/01/2006		Steam Electri Power Generation	ic 🗌	No	EPA-HQ-OW-2004-0032-2032.1
13.2	03545	Letter, Memorandum, Email	Memorandum to Carey Johnston and Martha Segall, USEPA - DCN 03545	Meeting Minutes from Meeting Between EPA and American Petroleum Institute on November 30, 2005	4	Finseth, TJ, ERG	12/13/2005		Steam Electri Power Generation	ic 🗌	No	EPA-HQ-OW-2004-0032-2034
13.2	03546	Letter, Memorandum, Email	Email to Roger Claff, American Petroleum Institute - DCN 03546	EPA use of Department of Energy, Energy Information Administration data to identify petroleum refineries that generate steam electric power.	y 1	Johnston, Carey, USEPA	12/20/2005		Steam Electri Power Generation	ic 🗌	No	EPA-HQ-OW-2004-0032-2035
13.2	03547	Letter, Memorandum, Email	Email to Carey Johnston, USEPA - DCN 03547	Expected American Petroleum Institute Comments Regarding Industrial Cogen	2	Pierce, David, Chevron Energy Tech. Co.	10/26/2005		Steam Electri Power Generation	ic 🗌	No	EPA-HQ-OW-2004-0032-2036
13.2	03548	Letter, Memorandum, Email	Email to Roger Claff, American Petroleum Institute - DCN 03548	Follow up on EPA action items (effluent guidelines planning)	3	Johnston, Carey, USEPA	12/29/2005		Steam Electri Power Generation	ic 🗌	No	EPA-HQ-OW-2004-0032-2144

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13.2	03548A1	Letter, Memorandum, Email	Memorandum to Carey Johnston and Martha Segall, USEPA - DCN 03548A1	Linkage of Steam Electric Facility Records in the PCS, TRI, and EIA Databases.	3	Finseth, T. J., ERG	11/25/2005		Steam Elect Power Generation	ic 🗌	No	EPA-HQ-OW-2004-0032-2144.1
13.2	03548A2	Data	Linked Steam Electric Utilities and Nonindustrial Nonutilities - November 18, 2005 - DCN 03548A2		17	ERG	11/18/2005		Steam Elect Power Generation	ic 🗌	No	EPA-HQ-OW-2004-0032-2144.2
13.2	03549	Letter, Memorandum, Email	Memorandum to Roger Claff, American Petroleum Institute - DCN 03549	Request for Additional Clarification and Input from American Petroleum Institute on Petroleum Refinery Cogeneration Plants	6	Johnston, Carey	12/13/2005		Steam Elect Power Generation	ic 🗌	No	EPA-HQ-OW-2004-0032-2145
13.2	03550	Letter, Memorandum, Email	Email to Roger Claff, American Petroleum Institute - DCN 03550	Additional Clarification on Petroleum Refinery Cogeneration Plants Update	1	Johnston, Carey, USEPA	02/14/2006		Steam Elect Power Generation	ic 🗌	No	EPA-HQ-OW-2004-0032-2146
13.2	03550A1	Letter, Memorandum, Email	Memorandum to Roger Claff, American Petroleum Institute - DCN 03550A1	Request for Additional Clarification and Input from American Petroleum Institute on Petroleum Refinery Cogeneration Plants - Update as requested at the January 31, 2006 meeting, this memorandum is being provided to the American Petroleum Institu (American Petroleum Institute) to describe EPA's current activities on the Steam Electric detailed study, as it pertains to the investigation of industrial nonutilities and cogeneration units.	te	Johnston, Carey, USEPA	02/14/2006		Steam Elect Power Generation	ic 🗌	No	EPA-HQ-OW-2004-0032-2146.1
13.2	03550A2	Speech	CWA Section 304(m) Review of Oil and Gas Industry Sector - DCN 03550A2	Presented to American Petroleum Institute CleanWater Issues Task Force.	38	Johnston, Carey, USEPA	01/31/2006		Steam Elect Power Generation	ic 🗌	No	EPA-HQ-OW-2004-0032-2146.2

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13.2	03551	Letter, Memorandum, Email	Email to David Pierce, Chevron Energy Tech Co., - DCN 03551	Questions and List for American Petroleur Institute review.	m 5	Johnston, Carey, USEPA	12/29/2005		Steam Electri Power Generation	ic 🗌	No	EPA-HQ-OW-2004-0032-2147
13.2	03552	Letter, Memorandum, Email	Email to Robert Elam, American Chemistry Council - DCN 03552	Transmittal of memorandum about chemic manufacturing non-utilities.	cal 1	Jordan, Ronald, USEPA	03/14/2006		Steam Electri Power Generation	ic 🗌	No	EPA-HQ-OW-2004-0032-2148
13.2	03552A1	Letter, Memorandum, Email	Memorandum to Bob Elam, Director, Regulatory/Technical Affairs, American Chemistry Council - DCN 03552A1	Chemical Manufacturing Nonutilities Identified for Permit Review for the Steam Electric Power Generation Detailed Study This memorandum is being provided to th American Chemistry Council (ACC) to describe EPA's current activities on the Steam Electric detailed study, as it pertain to the investigation of industrial nonutilities and cogeneration units.	r. ne	Jordon, Ronald, USEPA	03/14/2006		Steam Electri Power Generation	ic 🗌	No	EPA-HQ-OW-2004-0032-2148.1
13.2	03559	Publication Copyrighted Material	Landfill Gas Power Plants - DCN 03559	Web page providing a description of landf gas and process of conversion to electric power	fill 2	California Energy Commission	08/01/2006	California Energy Commission; Landfill Gas Power Plants web page; http://cacx.org//devel opment/biomass/lan dfill_gas.html	Steam Electri Power Generation	ic 🔽	No	EPA-HQ-OW-2004-0032-2182
13.2	03560	Publication Copyrighted Material	Energy Resource Recovery Facility - DCN 03560	Web page describing a steam electric fac that burns municipal solid waste as its sol fuel.		Fairfax County, Virginia	08/01/2006	Fairfax County, Virginia; Energy Resource Recovery Facility web page; http://www.fairfaxcou nty.gov/dpwes/trash/ dispomsf.htm	Steam Electri Power Generation	ic 🔽	No	EPA-HQ-OW-2004-0032-2183
13.2	03561	Publication Copyrighted Material	All About Geothermal Energy - Mythbusters - DCN 03561	Web page providing information that dispective common myths about geothermal energy		Geothermal Energy Association	08/01/2006	Geothermal Energy Association; All About Geothermal Energy - Mythbusters web page; http://www.geo-	Steam Electri Power Generation	ic 🔽	No	EPA-HQ-OW-2004-0032-2768

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13.2	03562	Publication Copyrighted Material	Renewable Energy Resources - DCN 03562		16	Torrero, E.A.	12/04/2000	Kirk-Othmer Encyclopedia of Chemical Technology; John Wiley & Sons, Inc; http://www.mrw.inter science.wiley.com/kir	Steam Electri Power Generation	c 🔽	No	EPA-HQ-OW-2004-0032-2184
13.2	03563	Publication Copyrighted Material	Fuels from Waste - DCN 03563		14	Tillman, D.A.	12/04/2000	Kirk-Othmer Encyclopedia of Chemical Technology; John Wiley & Sons, Inc; http://www.mrw.inter science.wiley.com/kir	Steam Electri Power Generation	c 🗹	No	EPA-HQ-OW-2004-0032-2185
13.2	03564	Publication Copyrighted Material	Investigation into the relationship between major and minor element contents and particle size and leachability of boron in fly ash from coal fuel thermal power plants - DCN 03564	Investigation of boron in discharged fly as by coal fuel thermal power plants in severa worldwide locations.		Narukawa, T. et al.	08/07/2003	Journal of Environmental Monitoring; 5:831- 836	Steam Electri Power Generation	c 🗹	No	EPA-HQ-OW-2004-0032-2186
13.2	03565	Publication Copyrighted Material	Challenges and Economics of Using Petroleum Coke for Power Production - DCN 03565		15	Narula, R.G.	09/01/1998	Presented at the World Energy Council 17th Congress; Houston, Texas; http://www.worldener gy.org/wec-	Steam Electri Power Generation	c 🗹	No	EPA-HQ-OW-2004-0032-2187
13.2	03566	Publication Copyrighted Material	Arsenic, Mercury, and Selenium Flue Gas Sampling in a Coal-Fired Power Plant and Their Fate During Coal Combustion - DCN 03566	Study examined the overall mass balance and relative distribution of these elements within the power plant; concentrations in coal and combustion residues; and the predominant oxidation state of mercury in the flue gas	6	Otero-Rey, J.R. et al.	10/18/2003	Environmental Science and Technology; 37:5262-5267	Steam Electri Power Generation	c 🗹	No	EPA-HQ-OW-2004-0032-2188
13.2	03567	Other	Introduction to Nuclear Power - DCN 03567	Description of generation of electric power nuclear-fueled plants.	in 16	U.S. DOE, EIA	08/01/2006	USDOE, Energy Information Administration (EIA); Introduction to Nuclear Power web page; http://www.eia.doe.g	Steam Electri Power Generation	c 🗌	No	EPA-HQ-OW-2004-0032-2153

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13.2	03571	Other	Geothermal FAQs, Plant Types, and U.S. Locations - DCN 03571	Web pages from DOE's Energy Efficiency and Renewable Energy - Geothermal Technologies Program	7	U.S. DOE, EERE	01/01/2006	USDOE, Energy Efficiency and Renewable Energy, Geothermal Technologies Program web pages; http://www1.eere.ene	Steam Electri Power Generation	ic 🗌	No	EPA-HQ-OW-2004-0032-2156
13.2	03572	Publication Other Government	Solar power overview, U.S. locations, environmental benefits - DCN 03572	Web pages from DOE's Energy Efficiency and Renewable Energy - Concentrating Solar Power and Sun Lab and TroughNet	18	U.S. DOE, EERE	08/01/2006	USDOE, http://www.energylan .sandia.gov/sunlab/o verview.htm ; http://www.eere.ener gy.gov/troughnet/dep loyed.html ;		ic 🗌	No	EPA-HQ-OW-2004-0032-2150
13.2	03573	Publication Other Government	Lessons Learned from Existing Biomass Power Plants - DCN 03573	Provides information for 20 leading biomat power plants (18 in U.S.), including capaci fuels and consumption, heat rate, cogeneration, and lessons learned		Wiltsee, G.	02/01/2000	USDOE; National Renewable Energy Laboratory (NREL); Golden, CO; NREL/SR-570- 26946; http://www.nrel.gov/d	Steam Electri Power Generation	ic 🗌	No	EPA-HQ-OW-2004-0032-2151
13.2	03574	Publication USEPA	Mercury: Controlling Power Plant Emissions - DCN 03574	Series of web pages detailing EPA's action and guiding principles used in establishing the CAMR and CAIR rules.		USEPA	07/01/2006	USEPA; Mercury: Controlling Power Plant Emissions web pages; http://www.epa.gov/ mercury/control_emi ssions/index.htm	Steam Electri Power Generation	c	No	EPA-HQ-OW-2004-0032-2152
13.2	03584	Other	Cooling Water Intake Structures - CWA §316(b): Phase III - Certain Existing Facilities and New Offshore and Coastal Oil and Gas Extraction Facilities - DCN 03584	Web page and fact sheet summarizing Phase III of the section 316(b) rulemaking	8 s	USEPA; Office of Water	06/01/2006	USEPA; Office of Water; CWA section 3126(b) Phase III web page and fact sheet; http://www.epa.gov/w aterscience/316b/ph	Steam Electri Power Generation	ic 🗌	No	EPA-HQ-OW-2004-0032-1988
13.2	03585	Publication Copyrighted Material	Landfill Methane Outreach Program - Basic Information - DCN 03585	Web page summarizing information about the Landfill Methane Outreach Program (LMOP)	5	USEPA	08/01/2006	USEPA; Landfill Methane Outreach Program web page; http://www.epa.gov/l mop/overview.htm (accessed 9/5/06)	Steam Electri Power Generation	ic 🔽	No	EPA-HQ-OW-2004-0032-2191

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13.2	03586	Other	Tire Derived Fuel - DCN 03586	Web site providing information about the use of tires as fuel within several industries, including electric power generation.	5	USEPA	09/05/2006	USEPA; Municipal Solid Waste; Tire Derived Fuel web page; http://www.epa.gov/g arbage/tires/tdf.htm (accessed 9/5/06)	Steam Electri Power Generation	c 🗆	No	EPA-HQ-OW-2004-0032-2192
13.2	03589	Publication USEPA	Development Document for Final Effluent Limitations Guidelines, New Source Performance Standards, and Pretreatment Standards for the Steam Electric Point Source Category - DCN 03589		664	USEPA	11/01/1982	USEPA; Office of Water and Waste Mangement; Effluent Guidelines Division; EPA-440-1- 82-029	Steam Electri Power Generation	c 🗌	No	EPA-HQ-OW-2004-0032-2193
13.2	03591	Publication USEPA	Mercury in Petroleum and Natural Gas: Estimation Emissions from Production, Processing, and Combustion - DCN 03591	Report is intended to assist in the identification of those areas that require additional research, especially the needs associated with measuring the concentrations of the various chemical species of mercury in the various feedstocks and waste streams associated with the oil and gas industry.	8	Wilhelm, S.M.	09/01/2001	USEPA; Office of Research and Development; National Risk Management Research Laboratory; Air	Steam Electri Power Generation	c 🗆	No	EPA-HQ-OW-2004-0032-1993
13.2	03592	Publication USEPA	Technical Development Document for the Final Regulations Addressing Cooling Water Intake Structures for New Facilities - DCN 03592		269	USEPA, EAD	11/09/2001	USEPA; Office of Water; Engineering and Analysis Division; Washington, DC; EPA-821-R-01-036; http://www.epa.gov/w	Steam Electri Power Generation	c 🗌	No	EPA-HQ-OW-2004-0032-2157
13.2	03593	Publication Other Government	U.S. Geological Survey Coal Quality (COALQUAL) Database: Version 2.0 - DCN 03593	Documentation package for the USGS COALQUAL Database (accessible online).	45	Bragg, L.J. et al.	01/01/1998	USGS; National Coal Resources Data System; USGS Open-File Report 97- 134; http://energy.er.usgs. gov/products/databa	Steam Electri Power Generation	c 🗌	No	EPA-HQ-OW-2004-0032-2158
13.2	03594	Publication Copyrighted Material	Wood Ash Industries Inc DCN 03594	Web page provides a description of wood ash, including composition data.	2	Wood Ash Industries, Inc.	01/01/2003	Wood Ash Industries Inc.; http://www.woodash. net/chart.html (accessed 9/7/06)	Steam Electri Power Generation	c 🔽	No	EPA-HQ-OW-2004-0032-2159

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13.2	03656	Other	Enriched Boric Acid for Pressurized Water Reactors - DCN 03656	Description of the company's boric acid product	6	EaglePicher Technologies , LLC.		http://www.eaglepich er.com/NR/rdonlyres/ 71174EA7-B374- 4934-8596- B51D105C4F30/0/w _c_01.pdf	Steam Electri Power Generation	c 🗆	No	EPA-HQ-OW-2004-0032-2168
13.2	03657	Meeting or Teleconference Materials	Notes from telephone conversation between T.J. Finseth, ERG and S. Williams, IA Dept of Natural Resources, April 13, 2006 - DCN 03657	Bromine toxicity and other questions	1	Finseth, T.J.	04/13/2006		Steam Electri Power Generation	c 🗆	No	EPA-HQ-OW-2004-0032-2169
13.2	03657A1	Letter, Memorandum, Email	Memorandum to Ralph Summers, Region 7 - Water Management Division - DCN 03657A1	Information on Bromine Based Biocide Toxicities	2	Mahanes, Brad, OWEC	02/18/1993		Steam Electri Power Generation	c 🗆	No	EPA-HQ-OW-2004-0032-2169.1
13.2	03657A2	Letter, Memorandum, Email	Letter to Bill Creal, Michigan Department of Natural Resources - DCN 03657A2	Actibrome permit limits proposed by Michigan Department of Natural Resource	2 s	Henry, Timothy, Michigan, DNR	03/10/1992		Steam Electri Power Generation	c 🗌	No	EPA-HQ-OW-2004-0032-2169.2
13.2	03657A3	Letter, Memorandum, Email	Memorandum to Water Quality Appraisal Unit Staff - DCN 03657A3	Actibrom, Bromine, Clam-Trol	2	Creal, William, Michigan, DNR	02/13/1992		Steam Electri Power Generation	c 🗌	No	EPA-HQ-OW-2004-0032-2169.3
13.2	03657A4	Letter, Memorandum, Email	Letter to Brenda Sayles, Michigan Department of Natural Resources - DCN 03657A4	Region V's position on use of bromine, Ac Brom, and Clam Trol CT-1	ti- 7	Howe, Peter H., US EPA, Region V	10/03/1991		Steam Electri Power Generation	c 🗌	No	EPA-HQ-OW-2004-0032-2169.4

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13.2	03657A5	Letter, Memorandum, Email	Letter to James Taft, US EPA - DCN 03657A5	Nalco Chemical Company submission of "Comparative Toxicities of Chlorine-Induce Oxidant with ACTI-BROM® and Sodium Bromide to Two Freshwater Species"	2 ed	Koeplin-Gall, S., Nalco Chemical Company	08/06/1991		Steam Electri Power Generation	ic 🗌	No	EPA-HQ-OW-2004-0032-2169.5
13.2	03657A6	Report	Comparative Toxicities of Chlorine-Induced Oxidant With ACTIBROM® and Sodium Bromide to Two Freshwater Species - DCN 03657A6	When used in combination with chlorine, bromides can significantly reduce chlorine application requirements because the bromine oxidants generated under such conditions control biofouling more effectively. Also, since bromine oxidants dissipate faster than chlorine oxidants, the impact on the environment could be considerable less.		Nalco Chemical Company	06/01/1991		Steam Electri Power Generation	ic 🗌	No	EPA-HQ-OW-2004-0032-2169.6
13.2	03657A7	Report	Chlorine Minimization with a Chlorine-Bromine- Biodispersant Mixture - DCN 03657A7	Actibrome permit limits proposed by Michigan Department of Natural Resource	8 s	Koeplin-Gall, S., Nalco Chemical Company	04/23/1984	American Power Conference, 46th Annual Meeting, April 23-25, 1984, Chicago, IL	Steam Electri Power Generation	c	No	EPA-HQ-OW-2004-0032-2169.7
13.2	03657A8	Letter, Memorandum, Email	Letter to James Taft, US EPA - DCN 03657A8	Sodium Bromide Panel's submission of "TI Relative Toxicities of Continuous and Intermittent Exposures of Chlorine and Bromine to Aquatic Organisms".	ne 5	Strickland, Gordan, Sodium Bromide Panel	07/19/991		Steam Electri Power Generation	ic 🗌	No	EPA-HQ-OW-2004-0032-2169.8
13.2	03657A9	Report	The Relative Toxicities of Continuous and Intermittent Exposures of Chlorine and Bromine to Aquatic Organisms - DCN 03657A9	Sodium bromide can be used to convert hypochlorous acid into hypobromous acid. Simultaneous addition of sodium bromide and chlorine to water used for powerplant condenser cooling could significantly reduc chlorine application rates because bromine oxidants are generated and considered more effective for controlling biofouling that chlorine oxidants.	ce e	Sodium Bromide/Bro mine Chloride Ind. Panel	05/01/1991	Sodium Bromide/Bromine Chloride Ind Panel	Steam Electri Power Generation	ic 🗌	No	EPA-HQ-OW-2004-0032-2169.9
13.2	03658	Report	Emerging Issues and Needs in Power Plant Cooling Systems - DCN 03658		14	Micheletti, W.C. et al.	07/23/2002	U.S. Dept of Energy; Office of Fossil Energy; Nat'l Energy Technology Laboratory; Pittsburgh, PA; July 23-24, 2002;	Power	c	No	EPA-HQ-OW-2004-0032-2170

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13.2	03659	Report	Zebra Mussel Chemical Control Guide - DCN 03659	To provide guidance to Corps District and Project personnel on the selection and use of registered chemicals available to contro zebra mussels. To assist in the selection process, the various types of compounds that were registered as molluscicides at th time that this guide was written are summarized with information on use strategies and application rates.	e ol	116	Sprecher, S.L. et al.		U.S. Army Engineer Research and Development Center; Vicksburg, MS; ERDC/EL TR- 00-1; http://el.erdc.usace.a	Steam Electri Power Generation	c 🗌	No	EPA-HQ-OW-2004-0032-2171
13.2	03692	Publication USEPA	About Coal Combustion Products - DCN 03692	Series of web pages that describe the characteristics and physical properties of various coal combustion products, includir fly ash, bottom ash, boiler slag, and flue ga desulfurization material.	ng	5	Coal Combustion Products Partnership		U.S. EPA; Office of Solid Waste; http://www.epa.gov/e paoswer/osw/conser ve/c2p2/ccps/ccps.ht ml	Steam Electri Power Generation	c 🗌	No	EPA-HQ-OW-2004-0032-2172
13.2	03776	Report	Utility Industry Action Plan for the Management of Coal Combustion Products - DCN 03776	Submitted to EPA's OSW in response to the Resource Conservation Challenge, an initiative that calls the industry to partner with EPA to find innovative ways to prever pollution and promote beneficial use of residues from the combustion of coal or 'coal combustion products' (CCPs).		11	Utility Solid Waste Activities Group	09/01/2006		Steam Electri Power Generation	c 🗌	No	EPA-HQ-OW-2004-0032-2279
13.2	03780	Publication Copyrighted Material	A cooling water system copper corrosion study - DCN 03780	Our plant has four units that have been operating normally for 12-33 years. Two of the units are 70 MW sister units that have copper alloy once-through condensers. The other two units are 350 MW and 500 MW units with copper alloy condensers and cooling towers. No cooling water related tube leaks had been experienced. Until 1993, the only chemicals used were sulfur acid for pH control of the cooling tower systems and chlorine for biological control The units were chlorinated for one hour per day per condenser.	of he ric I.	11	American Society of Mechanical Engineers	08/23/1998	The 1998 International Joint Power Generation Conference, August 23-26, 1998, Baltimore, MD	Steam Electri Power Generation	c 🗹	No	EPA-HQ-OW-2004-0032-2281

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13.2	03781	Publication Copyrighted Material	Use of the PISCES Database: Power Plant Aqueous Stream Compositions - DCN 03781	The Power Plant Integrated Systems: Chemical Emissions Studies (PISCES) Database sponsored by the Electric Power Research Institute is a powerful tool for evaluating and comparing the level of trace substances in power plant process stream In this paper, data are presented on the level of several selected trace metals foun in a few of the aqueous streams present in power plants. In addition, a brief discussion of other features of the Database is presented.	e s. d	Behrens, Greg P., et al		Water, Air and Soil Pollution 90: 113- 122, 1996. 1996 Kluwer Academic Publishers. Printed in the Netherlands.	Steam Electri Power Generation	с 🗹	No	EPA-HQ-OW-2004-0032-2282
13.2	03782	Report	Nationwide Survey of Power Plant Aquatic Toxicity Issues - DCN 03782	Steam electric power plants can discharge toxic chemicals into the air and water durir operation. Over the past twenty years, concerns about the possible impacts of Maryland power plant operations hae resulted in studies on biocides, thermal discharges, coal pile leachate, fly ash disposal, adn copper loadings from condenser tubes.		Maryland, DNR	12/01/1992		Steam Electri Power Generation	c 🗌	No	EPA-HQ-OW-2004-0032-2283
13.2	03784	Other	Questions for Ohio Permit Writers - DCN 03784	The list of questions that were asked to an Ohio permit writer ragarding the TRO limits compared to the TRC limits.		Finseth, TJ, ERG	04/01/2006		Steam Electri Power Generation	c 🗌	No	EPA-HQ-OW-2004-0032-2285
13.2	03785	Meeting or Teleconference Materials	Notes from telephone conversation between Eric Nygaard, Ohio DEP, and TJ Finseth, ERG DCN 03785	Discussed the ohio state water quality limit for TRO compared to TRC	ts 2	Finseth, TJ, ERG	04/13/2006		Steam Electri Power Generation	c 🗌	No	EPA-HQ-OW-2004-0032-2286
13.2	03804	Publication Copyrighted Material	Flue Gas Desulfurization By-Products: Composition, Storage, Use, and Health and Enviromental Information - DCN 03804	To Protect air quality, many U.S. coal-fired power plants employ flue gas desulfurizatio (FGD) processes to minimize emissions of sulfur dioxide. The sulfur dioxide is generated when the naturally occuring sulf in coal is oxidized during combustion. FGI processes remove the sulfur dioxide and convert it to a useful by-product. FGD by- products are nonhazardous, according to a 1993 determination by the U.S. Environmental Protection Agency.	on f fur D	Electric Power Research Institute, Inc.	01/01/1999	http://www.acaa- usa.org/PDF/EnvFoc usFinal3g2.pdf#sear ch=%22flue%20gas %20desulfurization% 20by-products%22	Steam Electri Power Generation	с 🗹	No	EPA-HQ-OW-2004-0032-2297

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13.2	03808	Other	Background Information Related to Air Regulations Affecting Steam Electric Power Plants (Specifically CAIR and CAMR) - DCN 03808	This is a one-page summary of the information that was collected about the ai regulations that affect steam electric powe plants		Carter, John, ERG	04/26/2006	Steam Electric Power Generation		No EPA-HQ-OW-2004-0032	<u>?</u> -2298
13.2	03910	Letter, Memorandum, Email	Memorandum to the 2006 Effluent Guidelines Program Plan Docket: Changes Made to the PCSLoads2002 Database Based on Facility- Specific Comments - DCN 03910	Changes Made to the PCSLoads2002 Database Based on Facility-Specific Comments	1	Finseth, TJ, ERG	10/17/2006	Steam Electric Power Generation		No EPA-HQ-OW-2004-0032	2-2299
13.2	03910A1	Data	UWAG Facility-Specific Comment Summary - DCN 03910A1	This workbook summarizes the facility- specific comments received from UWAG regarding the PCSLoads2002 Database. The workbook contains a summary of the comments, EPA's decision to change or no change the load, the reason why a change was made or not, the previous load, and th revised load.		Finseth, TJ, ERG	10/17/2006	Steam Electric Power Generation		No EPA-HQ-OW-2004-0032	!-2299.1
13.2	03910A2	Data	Commenter Data (ERG Calculations) - DCN 03910A2	This workbook contains the data provided UWAG's facility-specific comments, Appendices C - O of the UWAG comments It also contains ERG's load calculations for the data provided.	3.	Finseth, TJ, ERG	10/17/2006	Steam Electric Power Generation		No EPA-HQ-OW-2004-0032	<u>?-2299.2</u>
13.2	03936	Publication Copyrighted Material	Coal Ash Disposal Manual Third Edition - DCN 03936	This manual presents procedures for the evaluation of the technical environmental and economic factors involved with the disposal of coal fly ash and bottom ash. The manual has been prepared to aid utilit design personnel in the selection and location of optimal disposal systems.	428 y	Electric Power Research Institute	01/01/1995 EPRI TR-104137	Steam Electric Power Generation		No EPA-HQ-OW-2004-0032	?-2300
13.2	03937	Publication Copyrighted Material	FGD By-Product Disposal Manual, Forth Edition - DCN 03937	This manual presents an objective, systematic methodology for evaluationg potential FGD sludge disposal sites and design approaches. A completely updated edition, the manual provides new information and references on existing industry disposal practices, regulatory constraints and trends, FGD sludge properties, and waste management system costs.		Electric Power Research Institute	08/01/1995 EPRI TR-104731	Steam Electric Power Generation		No EPA-HQ-OW-2004-0032	:-2301

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13.2	03939	Data	SteamConcentrations2002 Database - DCN 03939	This database contains concentration data reported on facility DMRs and uploaded to the PCS database from 2002 for all of the power generating facilities.	0	ERG	10/26/2006		Steam Elect Power Generation	ric 🗌	No	EPA-HQ-OW-2004-0032-2302
13.2	03940	Letter, Memorandum, Email	Memorandum to the 2006 Effluent Guidelines Program Plan Docket - DCN 03940	"SteamConcentrations2002 Database Dictionary." This database dictionary documents the tables and queries that are contained with the database.	26	Finseth, TJ, ERG	11/27/2006		Steam Elect Power Generation	ric 🗌	No	EPA-HQ-OW-2004-0032-2303
13.2	03948	Letter, Memorandum, Email	Email to Ron Jordan, EPA and TJ Finseth, ERG - DCN 03948	Cover e-mail that contains the DMRs from the DECO St. Clair facility from Jan-Jun of 2002	2	Eramian, Cindy, Hunton & Williams	04/27/2006		Steam Elect Power Generation	ric 🗌	No	EPA-HQ-OW-2004-0032-2304
13.2	03948A1	Data	DMR data from the DECO - St. Clair power plant - DCN 03948A1	The DMR data from St. Clair for January through June. Also contains the chlorination period for each treatment.	18 n	Detroit Edison	06/30/2006		Steam Elect Power Generation	ric 🗌	No	EPA-HQ-OW-2004-0032-2304.1
13.2	03949	Letter, Memorandum, Email	Email to Ron Jordan, EPA and TJ Finseth, ERG - DCN 03949	Cover e-mail that contains the DMRs from the DECO St. Clair facility from Jul-Dec of 2002 and a revised chlorine calculation	2	Eramian, Cindy, Hunton & Williams	04/27/2006		Steam Elect Power Generation	ric 🗌	No	EPA-HQ-OW-2004-0032-2305
13.2	03949A1	Data	DMR data from the DECO - St. Clair power plant - DCN 03949A1	The DMR data from St. Clair for July through December. Also contains the chlorination period for each treatment.	18	Detroit Edison	12/31/2006		Steam Elect Power Generation	ric	No	EPA-HQ-OW-2004-0032-2305.1

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13.2	03949A2	Data	Chlorine Calculation for the DECO - St. Clair power plant - DCN 03949A2	The estimated chlorine load from the DECO - St. Clair power plant calculated by the facility.	1	Detroit Edison	12/31/2006	Steam Electric  Power Generation	No EPA-HQ-OW-2004-0032-2305.2
13.2	03956	Letter, Memorandum, Email	Memorandum to Donna Hill of UWAG - DCN 03956	Use of PCS Data in Calculating Pollutant Loads from Steam Electric Facilities	8	Jordan, Ron; USEPA	10/23/2006	Steam Electric  Power Generation	No EPA-HQ-OW-2004-0032-2307
13.2	03957	Publication USEPA	Method 1631, Revision E: Mercury in Water by Oxidation, Purge and Trap, and Cold Vapor Atomic Fluorescence Spectrometry - DCN 03957	This method is for determination of mercur (Hg) in filtered and unfiltered water by oxidation, purge and trap, desorption, and cold-vapor atomic fluorescence spectrometry (CVAFS). This method is for use in EPA's data gathering and monitorin programs associated with the Clean Water Act, the Resource Conservation and Recovery Act, adn the Safe Drinking Water Act.	r g r	US EPA	08/01/2002 EPA-821-R-02-019	Steam Electric	No EPA-HQ-OW-2004-0032-2308
13.3	02452	Permit, Registration	Water Discharge Requirements Order No. 00- 041 NPDES No. CA0006254 for Duke Energy North America -DCN 02452	CA0006254 - NPDES permit for Duke Energy North America LLC, Moss Landing Power Plant, Monterey, CA, issued 10/27/00. Obtained for study of combined cycle steam electric utilities.	26	Briggs, Roger W.	10/27/2000	Steam Electric Power Generation	No EPA-HQ-OW-2004-0032-1262
13.3	02453	Permit, Registration	Order No. 99-029 Waste Discharge Requirements for Calistoga Geothermal Partners, L.P. Federal Lease CA 5636 - DCN 02453	CA 5636 - NPDES permit for Geysers Power Co LLC, Calistoga Power Plant, Lake, CA, issued 4/30/99. Obtained for study of utilities powered with non-423 fuel specifically geothermal steam.	16 Is,	Carlton, Gary M.	04/30/1999	Steam Electric	No EPA-HQ-OW-2004-0032-1263
13.3	02454	Permit, Registration	Notice of Exemption, California Regional Water Quality Control Board San Francisco Bay Region, ConocoPhillips - DCN 02454	CA0005053 - NPDES permit for ConocoPhillips, Phillips 66 Carbon Plant, Contra Costa, CA, issued 6/15/05. Obtained for study of industrial nonutilities the petroleum sector.	72 in	Wolfe, Bruce H.	06/15/2005	Steam Electric	No EPA-HQ-OW-2004-0032-1264

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13.3	02454A1	Other	California Regional Water Quality Control Board San Francisco Bay Region, Response to Written Comments, ConocoPhillps Company - DCN 02454A1	NPDES permit for ConocoPhillips, Phillips 66 Carbon Plant, Contra Costa, CA, issued 6/15/05. Obtained for study of industrial nonutilities in the petroleum sector.			01/01/2005		Steam Electi Power Generation	ric 🗌	No	EPA-HQ-OW-2004-0032-1265
13.3	02455	Permit, Registration	California Regional Water Quality Control Board Central Valley Region, Wheelabrator Shasta Energy Company Inc. & Wheelabrator Lassen Inc DCN 02455	CA0081957 - NPDES permit for Wheelabrator Environmental Systems, Wheelabrator Shasta, Shasta, CA, issued 1/31/03. Obtained for study of utilities powered with non-423 fuels, specifically wood.	41	Pinkos, Thomas R.	01/31/2003		Steam Electr Power Generation	ric 🗌	No	EPA-HQ-OW-2004-0032-1266
13.3	02461	Permit, Registration	State of North Carolina Department of Environment and Natural Resources Division of Water Quality Permit, New Hanover WASTEC Facility - DCN 02461	NC0058971 - NPDES permit for New Hanover County, New Hanover County Wastec, New Hanover, NC, issued 03/01/2002. Obtained for study of utilities powered with non-423 fuels, specifically municipal solid waste.	2	Thorpe, Gregory J.	03/01/2002		Steam Electr Power Generation	ric 🗌	No	EPA-HQ-OW-2004-0032-1267
13.3	02461A1	Other	NCDENR/DWQ Fact Sheet for NPDES Permit Development - DCN 02461A1	NPDES permit for New Hanover County, New Hanover County Wastec, New Hanover, NC, issued 03/01/2002. Obtaine for study of utilities powered with non-423 fuels, specifically municipal solid waste.	1 d				Steam Electi Power Generation	ric 🗌	No	EPA-HQ-OW-2004-0032-1268
13.3	02462	Permit, Registration	Ohio EPA Authorization to Discharge Under the NPDES, FirstEnergy Generation Corporation - DCN 02462	OH0002925 - NPDES permit for Toledo Edison Co, Bay Shore, Lucas, OH, issued 6/29/2001. Obtained for study of utilities powered with petroleum coke.	25	Koncelik, Joseph P.	06/29/2001		Steam Electr Power Generation	ric 🗌	No	EPA-HQ-OW-2004-0032-1269
13.3	02462A1	Other	NPDES Fact Sheet, Toledo Edison Company - Bayshore Station - 02462A1	NPDES permit for Toledo Edison Co, Bay Shore, Lucas, OH, issued 6/29/2001. Obtained for study of utilities powered with petroleum coke.					Steam Electi Power Generation	ric 🗌	No	EPA-HQ-OW-2004-0032-1270

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13.3	02463	Permit, Registration	Minnesota Pollution Control Agency, North District, NPDES and SDS Permit MN0001015, Minnesota Power, Inc DCN 02463	MN0001015 - NPDES permit for Minnesot Power Inc, M L Hibbard, St Louis, MN, issued 7/30/01. Obtained for study of utiliti powered with non-423 fuels, specifically wood.		Sandberg Richard J.			Steam Electr Power Generation	ic 🗌	No	EPA-HQ-OW-2004-0032-1271
13.3	02464	Permit, Registration	Fairless Hills Steam Generating Station - DCN 02464	PA0057088 - NPDES permit for Minnesota Power Inc, M L Hibbard, St Louis, MN, issued 07/30/2001. Obtained for study of utilities powered with non-423 fuels, specifically wood.	a 12	Newbold, James	08/29/2002		Steam Electi Power Generation	ic 🗌	No	EPA-HQ-OW-2004-0032-1272
13.3	02465	Permit, Registration	Final NPDES Permit Amendment, Ames Municipal Electric System, Iowa - DCN 02465	IA0033235 - NPDES permit for City of Ames, Ames Electric Services Power Plan Story, IA, issued 5/24/04. Obtained for stu- of utilities powered with non-423 fuels, specifically municipal solid waste.		Williams, Steven	05/24/2004		Steam Electi Power Generation	ic 🗌	No	EPA-HQ-OW-2004-0032-1273
13.3	02466	Permit, Registration	Commonwealth of Virginia, DEQ, Authorization to Discharge Under the VPDES and Virginia State Water Control Law, Ogden Martin System of Fairfax, Inc DCN 02466	VA0090638 - NPDES permit for Ogden Martin Systems of Fairfax, Inc., I-95 Energy/Resource Recovery/Covanta, Fairfax, VA, issued 5/08/2001. Obtained fo study of utilities powered with non-423 fue This facility burns municipal solid waste under SIC code 4953.		Director, DEQ	05/08/2001		Steam Electi Power Generation	ic 🗌	No	EPA-HQ-OW-2004-0032-1274
13.3	02466A1	Other	VPDES Permit Program Fact Sheet, Ogden Martin System of Fairfax, Inc DCN 02466A1	NPDES permit for Ogden Martin Systems Fairfax, Inc., I-95 Energy/Resource Recovery/Covanta, Fairfax, VA, issued 5/08/2001. Obtained for study of utilities powered with non-423 fuels. This facility burns municipal solid waste under SIC coo 4953.			05/03/2001		Steam Electr Power Generation	ic 🗌	No	EPA-HQ-OW-2004-0032-1275
13.3	02467	Permit, Registration	Notice of Permit Issuance, New Hope Power Partnership, Okeelanta Co-Generation Plant - DCN 02467	FLA150355 - NPDES permit for New Hope Power Partnership, Okeelanta Cogeneration, Palm Beach, FL, issued 6/30/04. Obtained for study of utilities powered with non-423 fuels, specifically agricultural byproducts.	e 28	Inglehurt, Jon M.	06/30/2004		Steam Electr Power Generation	ic 🗌	No	EPA-HQ-OW-2004-0032-1276

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13.3	02467A1	Other	Statement of Basis for State of Florida DEP Industrial Wastewater Facility Permit, New Hope Power Partnership - DCN 02467A1	NPDES permit for New Hope Power Partnership, Okeelanta Cogeneration, Paln Beach, FL, issued 6/30/04. Obtained for study of utilities powered with non-423 fuels specifically agricultural byproducts.					Steam Elect Power Generation	ric	No	EPA-HQ-OW-2004-0032-1277
13.3	02468	Permit, Registration	Authorization to Discharge Under the National Pollutant Discharge Elimination System, Dow USA, Plaquemine, LA - DCN 02468	LA0003301 - NPDES permit for Dow Chemical Co, Plaquemine Operations, Iberville, LA, issued 10/12/01. Obtained for study of industrial nonutilities in the chemical manufacturing sector.	159	9 Cooke, Gregg A.	10/12/2001		Steam Elect Power Generation	ric 🗌	No	EPA-HQ-OW-2004-0032-1278
13.3	02468A1	Other	Louisiana Division of the Dow Chemical Company, Attachment 1 - DCN 02468A1	NPDES permit for Dow Chemical Co, Plaquemine Operations, Iberville, LA, issue 10/12/01. Obtained for study of industrial nonutilities in the chemical manufacturing sector.	3 ed	Cole, Stanley G.	02/02/1990		Steam Elect Power Generation	ric 🗌	No	EPA-HQ-OW-2004-0032-1279
13.3	02468A2	Other	Dow Chemical Company, Plaquemine, Louisiana, Fact Sheet - DCN 02468A2	NPDES permit for Dow Chemical Co, Plaquemine Operations, Iberville, LA, issue 10/12/01. Obtained for study of industrial nonutilities in the chemical manufacturing sector.	6 ed				Steam Elect Power Generation	ric 🗌	No	EPA-HQ-OW-2004-0032-1280
13.3	02469	Permit, Registration	NPDES Permit Number AL0002879, Alabama Power Co - Barry Steam Plt - DCN 02469	AL0002879 - NPDES permit for Alabama Power Co, Barry, Mobile, AL, issued 3/26/2002. Obtained for study of combined cycle steam electric utilities and study of 40 CFR 423 new source performance standards.		Hughes, Edgar K.	03/26/2002		Steam Elect Power Generation	ric 🗌	No	EPA-HQ-OW-2004-0032-1281
13.3	02469A1	Other	Fact Sheet Application for NPDES Permit to Discharge Treated Wastewaters to Waters of the State of Alabama - DCN 02469A1	NPDES permit for Alabama Power Co, Barry, Mobile, AL, issued 3/26/2002. Obtained for study of combined cycle stear electric utilities and study of 40 CFR 423 new source performance standards.	3 m	Phillips, Jim	11/06/2001		Steam Elect Power Generation	ric	No	EPA-HQ-OW-2004-0032-1282

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13.3	02469A2	Other	ADEM Permit Rationale, Alabama Power Company - Barry Stem Plant - DCN 02469A2	NPDES permit for Alabama Power Co, Barry, Mobile, AL, issued 3/26/2002. Obtained for study of combined cycle stear electric utilities and study of 40 CFR 423 new source performance standards.	46 m	Phillips, Jim	11/01/2001		Steam Electi Power Generation	ric 🗌	No	EPA-HQ-OW-2004-0032-1283
13.3	02470	Permit, Registration	State of Florida Industrial Wastewater Facility Permit, Florida Power & Light Company, Fort Meyer Plant - DCN 02470	FL0001490 - NPDES permit for Florida Power & Light Co, Fort Myers, Lee, FL, issued 5/19/04. Obtained for study of combined cycle steam electric utilities.	37	Drew, Mimi	05/19/2004		Steam Electr Power Generation	ric 🗌	No	EPA-HQ-OW-2004-0032-1284
13.3	02470A1	Other	Notice of Permit, Florida Power and Light Company, Fort Meyers Plant - DCN 02470A1	NPDES permit for Florida Power & Light C Fort Myers, Lee, FL, issued 5/19/04. Obtained for study of combined cycle stear electric utilities.		Drew, Mimi	05/17/2004		Steam Electi Power Generation	ric 🗌	No	EPA-HQ-OW-2004-0032-1285
13.3	02470A2	Other	Fact Sheet for Application for a Permit to Discharge Treated Wastewater to Waters of the State - DCN 02470A2	NPDES permit for Florida Power & Light C Fort Myers, Lee, FL, issued 5/19/04. Obtained for study of combined cycle stear electric utilities.					Steam Electr Power Generation	ric 🗌	No	EPA-HQ-OW-2004-0032-1286
13.3	02474	Permit, Registration	Authorization to Discharge Under the NPDES, Taunton Municipal Lighting Plant, B.F. Cleary Station - DCN 02474	MA0002241 - NPDES permit for City of Taunton, Cleary Flood Station, Bristol, MA issued 4/15/98. Obtained for study of combined cycle steam electric utilities.	, ,	Water Management Division	04/15/1998		Steam Electi Power Generation	ric 🗌	No	EPA-HQ-OW-2004-0032-1287
13.3	02475	Permit, Registration	State of Minnesota, NPDES and SDS Permit MN0000876, Northern States Power Company - DCN 02475	MN0000876 - NPDES permit for Northern States Power Co, Black Dog, Dakota, MN, issued 2/1/03. Obtained for study of combined cycle steam electric utilities.	31	Tibbetts, Michael J.	02/01/2003		Steam Electr Power Generation	ric 🗌	No	EPA-HQ-OW-2004-0032-1288

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13.3	02475A1	Other	State of Minnesota, Minnesota Pollution Control Agency, Fact Sheet for NPDES/SDS, Northern States Power Company as Xcel Energy - DCN 02475A1		9 3. Im				Steam Electr Power Generation	ic 🗌	No	EPA-HQ-OW-2004-0032-1289
13.3	02476	Permit, Registration	Authorization to Discharge Under to NPDES, City of Farmington, Animas Steam Plant - DCN 02476	NM0000043 - NPDES permit for City of Farmington, Animas Power Plant, San Jua NM, issued 10/28/05. Obtained for study of combined cycle steam electric utilities and study of utilities citing limits on total residu oxidants.	of I	Water Quality Protection Division	10/28/2005		Steam Electr Power Generation	ic 🗌	No	EPA-HQ-OW-2004-0032-1290
13.3	02476A1	Other	NPDES Permit No. NM0000043 Statement of Basis, City of Farmington - DCN 02476A1	NM0000043 - NPDES permit for City of Farmington, Animas Power Plant, San Jua NM, issued 10/28/05. Obtained for study o combined cycle steam electric utilities and study of utilities citing limits on total residu oxidants.	of I	Chen, Isaac	08/17/2005		Steam Electr Power Generation	ic 🗌	No	EPA-HQ-OW-2004-0032-1291
13.3	02477	Permit, Registration	Issuance of NPDES Permit NC0003433, Cape Fear Steam Electric, Chatham County - DCN 02477	NC0003433 - NPDES permit for Carolina Power & Light Co, Cape Fear, Chatham, NC, issued 9/24/03. Obtained for study of combined cycle steam electric utilities.	35	Klimek, Alan W.	09/24/2003		Steam Electr Power Generation	ic 🗌	No	EPA-HQ-OW-2004-0032-1292
13.3	02477A1	Other	NSDENR/DWQ Fact Sheet for NPDES Permit Development, Progress Energy Carolinas, Inc DCN 02477A1	NPDES permit for Carolina Power & Light Co, Cape Fear, Chatham, NC, issued 9/24/03. Obtained for study of combined cycle steam electric utilities.	9		06/24/2003		Steam Electr Power Generation	ic 🗌	No	EPA-HQ-OW-2004-0032-1293
13.3	02479	Permit, Registration	Commonwealth of Pennsylvania DEP, Authorization to Discharge Under the NPDES, Orion Power MidWest, L.P DCN 02479	PA0031933 - NPDES permit for Orion Power Holdings Inc, Brunot Island, Allegheny, PA, issued 7/6/00. Obtained fo study of combined cycle steam electric utilities.	26 r	Dreirer, Tim V.	07/06/2000		Steam Electr Power Generation	ic 🗌	No	EPA-HQ-OW-2004-0032-1294

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13.3	02479A1	Other	Fact Sheet/Statement of Basis, Orion Power MidWest, L.P., Brunot Island Power Station - DCN 02479A1	NPDES permit for Orion Power Holdings Inc, Brunot Island, Allegheny, PA, issued 7/6/00. Obtained for study of combined cycle steam electric utilities.	3	Vanek, James M.	04/06/2000		Steam Electr Power Generation	ic 🗌	No	EPA-HQ-OW-2004-0032-1295
13.3	02480	Permit, Registration	Commonwealth of Virginia, Authorization to Discharge Under the VPDES and the Virginia State Water Control Law, Virginia Electric and Power Company - DCN 02480	VA0004146 - NPDES permit for Virginia Electric & Power Co, Chesterfield, Chesterfield, VA issued 12/10/04. Obtaine for study of combined cycle steam electric utilities and study of 40 CFR 423 new source performance standards.		Director, DEQ	12/10/2004		Steam Electr Power Generation	ic 🗌	No	EPA-HQ-OW-2004-0032-1296
13.3	02480A1	Other	VPDES Permit Fact Sheet, Virginia Electric and Power Company, Chesterfield Power Station - DCN 02480A1	NPDES permit for Virginia Electric & Powe Co, Chesterfield, Chesterfield, VA issued 12/10/04. Obtained for study of combined cycle steam electric utilities and study of 4 CFR 423 new source performance standards.		Jenkins, Ray	02/10/2004		Steam Electr Power Generation	ic 🗌	No	EPA-HQ-OW-2004-0032-1297
13.3	02482	Permit, Registration	WPDES Permit, State of Wisconsin, Permit to Discharge Under the WPDES, Northern States Power, A Wisconsin Corporation, DBA Xcel Energy - DCN 02482	WI0002887-06-1 - NPDES permit for Northern States Power Co, Bay Front, Bayfield, WI, issued 1/1/03. Obtained for study of utilities powered with non-423 fue specifically wood.	17 Is,	Smith, William H.	01/01/2003		Steam Electr Power Generation	ic 🗌	No	EPA-HQ-OW-2004-0032-1298
13.3	02482A1	Other	Permit Fact Sheet, Northern States Power DBA Xcel Energy - DCN 02482A1	NPDES permit for Northern States Power Co, Bay Front, Bayfield, WI, issued 1/1/03 Obtained for study of utilities powered with non-423 fuels, specifically wood.					Steam Electr Power Generation	ic 🗌	No	EPA-HQ-OW-2004-0032-1299
13.3	02483	Permit, Registration	WPDES Permit, State of Wisconsin, Manitowoc Public Utilities - DCN 02483	WI0027189-06-01 - NPDES permit for Manitowoc Public Utilities, Manitowoc, Manitowoc, WI, issued 7/19/04. Obtained study of utilities powered with petroleum coke.	16 for	Rasmussen, Russell A.	07/19/2004		Steam Electr Power Generation	ic 🗌	No	EPA-HQ-OW-2004-0032-1300

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13.3	02483A1	Other	Permit Fact Sheet, Modification 01, Manitowoc Public Utilities - DCN 02483A1	NPDES permit for Manitowoc Public Utilities, Manitowoc, Manitowoc, WI, issue 7/19/04. Obtained for study of utilities powered with petroleum coke.	3 d				Steam Electri Power Generation	ic 🗌	No	EPA-HQ-OW-2004-0032-1301
13.3	02485	Permit, Registration	State of Florida, Industrial Wastewater Facility Permit, Florida Power & Light Company, Martin Power Plant - DCN 02485	FL0030988 - NPDES permit for Florida Power & Light Co, Martin, Martin, FL, issue 8/25/2000. Obtained for study of combined cycle steam electric utilities and study of 4 CFR 423 new source performance standards.	ł	Drew, Mimi	08/25/2000		Steam Electri Power Generation	ic 🗌	No	EPA-HQ-OW-2004-0032-1302
13.3	02486	Permit, Registration	Authorization to Discharge Under the NPDES, Consolidated Edison Energy Massachusetts, Inc DCN 02486	MA0035831 - NPDES permit for Massachusetts Mun Whls Elec Co, Stony Brook, Hampden, MA, issued 8/30/1999. Obtained for study of combined cycle stea electric utilities.	20 m		08/30/1999		Steam Electri Power Generation	ic 🗌	No	EPA-HQ-OW-2004-0032-1303
13.3	02486A1	Other	Response to Comments, Reissuance of Permit, Western Massachusetts Electric Company & Holyoke Water Power Company - DCN 02486A1	NPDES permit for Massachusetts Mun Wh Elec Co, Stony Brook, Hampden, MA, issued 8/30/1999. Obtained for study of combined cycle steam electric utilities.	nis 5		09/23/1996		Steam Electri Power Generation	ic 🗌	No	EPA-HQ-OW-2004-0032-1304
13.3	02486A2	Other	Fact Sheet, Draft NPDES Permit to Discharge to Waters of the US, Northeast Utilities Service Co DCN 02486A2	NPDES permit for Massachusetts Mun Wh Elec Co, Stony Brook, Hampden, MA, issued 8/30/1999. Obtained for study of combined cycle steam electric utilities.	nls 8	Fierra, David A.	03/28/1996		Steam Electri Power Generation	ic 🗌	No	EPA-HQ-OW-2004-0032-1305
13.3	02507	Permit, Registration	Commonwealth of Virginia, DEQ, Authorization to Discharge Under the VPDES and Virginia State Water Control Law, Virginia Electric and Power Company, Surry Power Station - 02507	VA0004090 - NPDES permit for Virginia Electric and Power Company, Surry Powe Station, VA, issued 11/2/01.	44 r	Director, DEQ	11/02/2001		Steam Electri Power Generation	ic 🗌	No	EPA-HQ-OW-2004-0032-1306

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13.3	02507A1	Other	VPDES Permit Fact Sheet, Virginia Electric & Power Company, Surry Power Station - DCN 02507A1	NPDES permit for Virginia Electric and Power Company, Surry Power Station, VA issued 11/2/01.		Jenkin, Ray	08/21/2001		Steam Elect Power Generation	ric 🗌	No	EPA-HQ-OW-2004-0032-1307
13.3	02511	Permit, Registration	Modification of Authorization to Discharge Under the NPDES, Energy Nuclear Generation Company, Plymouth, Massachusetts - DCN 02511	MA0003557 - NPDES permit for Engc - Pilgrim Nuclear Power, Plymouth, MA issued 11/5/94. Nuclear steam electric pla obtained for study of TRO limitations.	43 nt	Director	11/05/1994		Steam Elect Power Generation	ric 🗌	No	EPA-HQ-OW-2004-0032-1308
13.3	02515	Permit, Registration	State of Minnesota, NPDES and SDS Permit MN0000892, Northern States Power Company d/b/a Xcel Energy, Riverside Generating Plant - DCN 02515	MN0000892 - NPDES permit for NSP DB/ Xcel Energy-Riverside, Minneapolis, MN, issued 7/22/02. Coal-fired steam electric plant obtained for study of TRO limitations		Tibbetts, Michael J.	07/22/2002		Steam Elect Power Generation	ric 🗌	No	EPA-HQ-OW-2004-0032-1309
13.3	02515A1	Other	State of Minnesota, Fact Sheet for NPDES/SDS Permit No. MN0000892, Northen States Power Company d/b/a Xcel Energy - DCN 02515A1		)2.				Steam Elect Power Generation	ric 🗌	No	EPA-HQ-OW-2004-0032-1310
13.3	02516	Permit, Registration	Application for Permit Number AR0034363, Shumaker Public Service Corporation, East Camden, Arkansas - DCN 02516	AR0034363 - NPDES permit for Shumake Public Service Corp, East Camden AR issued 7/31/03. Obtained for study of potential new subcategories of 40 CFR 42 This facility is a wastewater treatment plan and operates under SIC code 4939 for combination utilities, NEC.	3.	Maner, Martin	07/31/2003		Steam Elect Power Generation	ric 🗌	No	EPA-HQ-OW-2004-0032-1311
13.3	02516A1	Other	Final Statement of Basis, Shumaker Public Service Corporation, East Camden, Arkansas - DCN 02516A1	NPDES permit for Shumaker Public Servic Corp, East Camden AR issued 7/31/03. Obtained for study of potential new subcategories of 40 CFR 423. This facility is a wastewater treatment plant and operates under SIC code 4939 for combination utilities, NEC.		Bryum, Shane			Steam Elect Power Generation	ric 🗌	No	EPA-HQ-OW-2004-0032-1312

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13.3	02517	Permit, Registration	Maryland Department of the Environment, Trigen - Baltimore Energy Corporation - DCN 02517	MD0066249 - NPDES permit for Trigen- Baltimore Energy Corp, Baltimore, MD, issued 8/1/99. Obtained for study of potential new subcategories of 40 CFR 42: The facility operates under SIC code 4961 for steam supply.			08/01/1999		Steam Electr Power Generation	ric 🗌	No	EPA-HQ-OW-2004-0032-1313
13.3	02517A1	Other	Department of the Environment, Summary Report and Fact Sheet, Trigen - Baltimore Energy Corporation - DCN 02517A1	NPDES permit for Trigen-Baltimore Energy Corp, Baltimore, MD, issued 8/1/99. Obtained for study of potential new subcategories of 40 CFR 423. The facility operates under SIC code 4961 for steam supply.			04/24/1998		Steam Electi Power Generation	ric 🗌	No	EPA-HQ-OW-2004-0032-1314
13.3	02518	Permit, Registration	Southern Illinois University at Carbondale SIUC Physical Plant NPDES Permit No. IL0072320 - DCN 02518			Frevert, Toby	06/26/2003		Steam Electr Power Generation	ric 🗌	No	EPA-HQ-OW-2004-0032-1315
13.3	02519	Permit, Registration	LSP - Kendall Energy, LLC Kendall County Generation Facility NPDES Permit No. IL0073806 - DCN 02519	IL0073806 - NPDES permit for Kendall County Generating Facility, NRG North Central Op Inc, Kendall, IL, issued 3/16/04 Obtained for study of combined cycle stear electric utilities.		Keller, Alan	03/16/2004		Steam Electr Power Generation	ric 🗌	No	EPA-HQ-OW-2004-0032-1316
13.3	02520	Permit, Registration	TPDES Permit No. WQ0010913001, Permit to Discharge Wastes, Matagorda Waste Disposal and Water Supply Corporation - DCN 02520	TX0054038 - NPDES permit for Matagorda Waste Disposal and Water Supply Corporation, Matagorda, Texas, issued 1/11/05. Obtained for study of potential new subcategories of 40 CFR 423. This facility is a wastewater treatment plant and operates under SIC code 4939 and 4952.	N	Commission, EQ	01/11/2005		Steam Electi Power Generation	ric 🗌	No	EPA-HQ-OW-2004-0032-1317
13.3	02520A1	Other	Statement of Basis/Technical Summary and Executive Director's Preliminary Decision, Matagorda Waste Disposal and Water Supply Corporation - DCN 02520A1	NPDES permit for Matagorda Waste Disposal and Water Supply Corporation, Matagorda, Texas, issued 1/11/05. Obtain for study of potential new subcategories of 40 CFR 423. This facility is a wastewater treatment plant and operates under SIC code 4939 and 4952.		Dake, Amewusika Aku-Clara	09/30/2004		Steam Electr Power Generation	ric 🗌	No	EPA-HQ-OW-2004-0032-1318

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13.3	02521	Permit, Registration	Commonwealth of Virginia DEQ, Authorization to Discharge Under the VPDES and the Virginia State Water Control Law, Virginia Electric & Power Company - DCN 02521	VA0083399 - NPDES permit for Multitrade of Pittsylvania LP, Pittsylvania, VA, issued 4/13/05. Obtained for study of utilities powered with non-423 fuels, specifically wood.		40	Director	04/13/2005		Steam Elect Power Generation	ric 🗌	No	EPA-HQ-OW-2004-0032-1319
13.3	02522	Permit, Registration	Authorization to Discharge Under the Colorado Discharge Permit System, Public Service Company of Colorado, dba Xcel Energy - DCN 02522	CO0001121 - NPDES permit for Fort St Vrain, Public Service Co. of Colorado, Wel CO. Obtained for study of combined cycle steam electric utilities.		3	Holm, J. David			Steam Elect Power Generation	ric 🗌	No	EPA-HQ-OW-2004-0032-1320
13.3	02522A1	Other	CDPS Summary of Rationale, Public Service Company of Colorado, dba Xcel Energy, Fort St. Vrain Station - DCN 02522A1	NPDES permit for Fort St Vrain, Public Service Co. of Colorado, Weld CO. Obtained for study of combined cycle stear electric utilities.		20	Gerken, Jo Anne	12/31/2001		Steam Elect Power Generation	ric 🗌	No	EPA-HQ-OW-2004-0032-1321
13.3	02522A2	Other	PSCO, Fort St. Vrain Station Water Quality Assessment - DCN 02522A2	NPDES permit for Fort St Vrain, Public Service Co. of Colorado, Weld CO. Obtained for study of combined cycle stear electric utilities.	2 m	2				Steam Elect Power Generation	ric 🗌	No	EPA-HQ-OW-2004-0032-1322
13.3	02522A3	Other	Appendix A Water Quality Assessment South Platte River and St. Vrain Creek, PSCO Fort St. Vrain Station - DCN 02522A3	NPDES permit for Fort St Vrain, Public Service Co. of Colorado, Weld CO. Obtained for study of combined cycle stear electric utilities.	1: m	5				Steam Elect Power Generation	ric 🗌	No	EPA-HQ-OW-2004-0032-1323
13.3	02524	Permit, Registration	Authorization to Discharge Under the Colorado Discharge Permit System, Tri-State Generation and Transmission Association, Inc., Rifle Station - DCN 02524		k, 's		Pifher, Mark T.			Steam Elect Power Generation	ric 🗌	No	EPA-HQ-OW-2004-0032-1324

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13.3	02524A1	Other	CDPS, Summary of Rationale Tri-State Generation and Transmission Assoc., Inc., Rifle Station - DCN 02524A1	NPDES permit for Tri-State Gen & Trans Assn, Rifle Station, Dry Creek, CO. Obtained for study of potential new subcategories of 40 CFR 423. This facility primary business is power generation and transmission and operates under SIC code 4939 for combination utilities, NEC.					Steam Elect Power Generation	ric 🗌	No	EPA-HQ-OW-2004-0032-1325
13.3	02524A2	Other	Appendix A, Water Quality Assesment an Unnamed Tributary to Dry Creek and Dry Creek - DCN 02524A2	NPDES permit for Tri-State Gen & Trans Assn, Rifle Station, Dry Creek, CO. Obtained for study of potential new subcategories of 40 CFR 423. This facility primary business is power generation and transmission and operates under SIC code 4939 for combination utilities, NEC.					Steam Elect Power Generation	ric	No	EPA-HQ-OW-2004-0032-1327
13.3	02524A3	Other	CDPS, Amendment No. 3, Tri-State Generation and Transmission Assocation, Inc., Rifle Station - DCN 02524A3	NPDES permit for Tri-State Gen & Trans Assn, Rifle Station, Dry Creek, CO. Obtained for study of potential new subcategories of 40 CFR 423. This facility primary business is power generation and transmission and operates under SIC code 4939 for combination utilities, NEC.		Gates, Christopher L.	11/01/2005		Steam Elect Power Generation	ric 🗌	No	EPA-HQ-OW-2004-0032-1328
13.3	02527	Permit, Registration	Authorization to Discharge Under the NPDES, PPG Industries, Inc., Lake Charles, Louisiana - DCN 02527	LA0000761 - NPDES permit for PPG Industries Inc., Calcasieu, LA issued 5/31/91. Obtained for study of industrial nonutilities in the chemical manufacturing sector.	34	Knudson, Myron O.	05/31/1991		Steam Elect Power Generation	ric 🗌	No	EPA-HQ-OW-2004-0032-1329
13.3	02527A1	Other	Application for Permit to Discharge Wastewater, LA0000761, Form 2C - DCN 02527A1	NPDES permit for PPG Industries Inc., Calcasieu, LA issued 5/31/91. Obtained fo study of industrial nonutilities in the chemical manufacturing sector.	56 r				Steam Elect Power Generation	ric 🗌	No	EPA-HQ-OW-2004-0032-1330
13.3	02528	Permit, Registration	Louisiana Pollutant Discharge Elimination System (NPDES) Permit to Discharge Treated Process Wastewater and Process Area Stormwater, Sanitary Wastewater, and Utility Wastewater, Vulcan Chemicals - DCN 02528	LA0002933 - NPDES permit for Geismar Plant, Vulcan Materials Co., Ascension, LA issued 11/1/01. Obtained for study of combined cycle steam electric utilities.	48 A,	Higgins, Bliss M.	11/01/2001		Steam Elect Power Generation	ric 🗌	No	EPA-HQ-OW-2004-0032-1331

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13.3	02528A1	Other	Renewal of NPDES Permit No. LA0002933, Vulcan Chemicals, Geismar, Louisiana - DCN 02528A1	LA0002933 - NPDES permit for Geismar Plant, Vulcan Materials Co., Ascension, LA, issued 11/1/01. Obtained for study of combined cycle steam electric utilities.	38	Gordon, Vance	05/25/1996		Steam Electi Power Generation	ric 🗌	No	EPA-HQ-OW-2004-0032-1332
13.3	02530	Permit, Registration	Michigan DEQ Authorization to Discharge Under the NPDES, Midland Cogeneration Venture, Midland, Michigan - DCN 02530	MI0042668 - NPDES permit for Midland Cogeneration Venture Facility, Midland, MI, issued 9/13/04. Obtained for study of combined cycle steam electric utilities.	28	Creal, William	09/13/2004		Steam Electr Power Generation	ric 🗌	No	EPA-HQ-OW-2004-0032-1333
13.3	02530A1	Other	Fact Sheet, Midland Cogeneration Venture - DCN 02530A1	NPDES permit for Midland Cogeneration Venture Facility, Midland, MI, issued 9/13/04. Obtained for study of combined cycle steam electric utilities.	3				Steam Electi Power Generation	ric 🗌	No	EPA-HQ-OW-2004-0032-1334
13.3	02531	Permit, Registration	State of Mississippi, Water Pollution Control Permit, Weyerhauser, Columbus Modified Fiber Facility - DCN 02531	MSP090931 - NPDES permit for Weyerhauser, Columbus Modified Fiber Facility, MS issued 10/21/05. Obtained for study of industrial nonutilities in the pulp manufacturing sector.	27		10/21/2005		Steam Electr Power Generation	ric 🗌	No	EPA-HQ-OW-2004-0032-1335
13.3	02534	Permit, Registration	Permit to Discharge Wastes, Tenaska III Texas Partners, Tenaska Paris Cegeneration Facility, Paris, Texas - DCN 02534	TX0103586 - NPDES permit for Tenaska III Inc, Tenaska III Texas Partners, Lamar, TX Obtained for study of combined cycle steam electric utilities.		Commission, EQ			Steam Electi Power Generation	ric 🗌	No	EPA-HQ-OW-2004-0032-1336
13.3	02534A1	Other	Statement of Basis/Technical Summary and Executive Director's Preliminary Decision, Tenaska III Texas Partners -DCN 02534A1	NPDES permit for Tenaska III Inc, Tenaska III Texas Partners, Lamar, TX. Obtained for study of combined cycle steam electric utilities.					Steam Electr Power Generation	ric 🗌	No	EPA-HQ-OW-2004-0032-1337

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13.3	02535	Permit, Registration	NPDES Water Pollution Control Permit, PPG Industries Inc, Natrium, West Virginia - DCN 02535	WV0004359 - NPDES permit PPG Industries Inc, PPG Natrium Plant, Marshal WV, issued 7/14/2005. Obtained for study o industrial nonutilities in the chemical manufacturing sector.		McClung, Lisa A.	07/14/2005		Steam Elect Power Generation	ic 🗌	No	EPA-HQ-OW-2004-0032-1338
13.3	02535A1	Other	Fact Sheet Addendum, PPG Industries Inc., New Martinsville, West Virginia - DCN 02335A1	NPDES permit PPG Industries Inc, PPG Natrium Plant, Marshall, WV, issued 7/14/2005. Obtained for study of industrial nonutilities in the chemical manufacturing sector.	50				Steam Elect Power Generation	ic 🗌	No	EPA-HQ-OW-2004-0032-1339
13.3	02536	Permit, Registration	Consumers Illinois Water Company, Woodhaven Division, Final Permit - DCN 02536	IL0045535 - NPDES permit for CONSUMERS IL WATER-WOODHAVN, SUBLETTE, IL, issued 11/17/1998. Obtained for study of potential new subcategories of 40 CFR 423.	16	McSwiggin, Thomas G.	11/17/1998		Steam Elect Power Generation	ic 🗌	No	EPA-HQ-OW-2004-0032-1340
13.3	02537	Permit, Registration	Modification of State Discharge Permit PSNH Merrimack Station, Bow, New Hampshire -DCN 02537	NH0001465 - NPDES permit for P.S. OF NH-MERRIMACK STATION, Bow, NH, issued 11/04/1992. Obtained for study of utilities citing limits on total residual oxidant	37 ts.	Schmidt, Edward J.	11/04/1992		Steam Elect Power Generation	ic 🗌	No	EPA-HQ-OW-2004-0032-1341
13.3	02537A1	Other	Fact Sheet, Draft NPDES Permit to Discharge to Waters of the US, Public Service of New Hampshire - DCN 02537A1	NH0001465 - NPDES permit for P.S. OF NH-MERRIMACK STATION, Bow, NH, issued 11/04/1992. Obtained for study of utilities citing limits on total residual oxidant	30 ts.	Fierra, David A.	12/05/1991		Steam Elect Power Generation	ic 🗌	No	EPA-HQ-OW-2004-0032-1342
13.3	02538	Permit, Registration	NPDES Permit issued to Hartford Steam Company, Hartford Connecticut- DCN 02538	CT0004014 - NPDES permit for Hartford Steam Co., Hartford Hospital Cogeneration Hartford, CT. Obtained for study of combined cycle utilities and potential new subcategories.	17 1,	Rocque, Arthur J.			Steam Elect Power Generation	ic 🗌	No	EPA-HQ-OW-2004-0032-1343

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13.3	02539	Permit, Registration	DEP/WPC-136-006 Town of Sterling Moosup River Watershed, Exeter Energy Limited Partnership, Sterling, Connecticut - DCN 02539	CT0026972 - NPDES permit for CMS Generation Operating Co I, Exeter Energy Project LP, Windham, CT, issued 9/27/19 Obtained for study of utilities powered with non-423 fuels, specifically tires.	91.	Moore, Robert E.	09/27/1991		Steam Electr Power Generation	c 🗆	No	EPA-HQ-OW-2004-0032-1344
13.3	02557	Permit, Registration	Authorization to Discharge Under the NPDES, USGen New England, Inc., Somerset, Massachusetts - DCN 02557	MA0003654 - NPDES permit for US Gen New England Inc, Brayton Point, Bristol, MA, issued 1/01/2003. Obtained for study 40 CFR 423 new source performance standards and study of utilities citing limits on total residual oxidants.		Murphy, Linda M.	01/01/2003		Steam Electr Power Generation	c 🗆	No	EPA-HQ-OW-2004-0032-1345
13.3	02561	Permit, Registration	Permit to Discharge Wastes, Valero Refining - Texas, L.P., Corpus Christi, Texas - DCN 02561	TX0063355 - NPDES permit for Valero Refining-TexasLP, Valero Refinery, Corpu Christi West, Nueces, TX, issued 7/12/20/ Obtained for study of industrial nonutilities the petroleum sector.	03.	Hoffman, Margaret	07/12/2003		Steam Electr Power Generation	c 🗆	No	EPA-HQ-OW-2004-0032-1346
13.3	02562	Permit, Registration	Permit to Discharge Wastes, Shell Deer Park Refining Company, Deer Park, Texas - DCN 02562	TX0004871 - NPDES permit for Shell Oil Deer Park, Shell Deer Park, Harris, TX, issued 3/15/2004. Obtained for study of industrial nonutilities in the petroleum sec		Hoffman, Margaret	03/15/2004		Steam Electr Power Generation	с 🗆	No	EPA-HQ-OW-2004-0032-1347
13.3	02563	Permit, Registration	Notice of Permits, IMC Phosphates Company, South Pierce Concentrates Plant, Mulberry, Florida - DCN 02563	FL0000370 - NPDES permit for IMC Phosphates Co, IMC Agrico South Pierce Operations, Polk, FL, issued 5/03/2004. Obtained for study of industrial nonutilities the chemical manufacturing sector.		Zamani, Sam S.	05/03/2004		Steam Electr Power Generation	c 🗆	No	EPA-HQ-OW-2004-0032-1348
13.3	02563A1	Other	Fact Sheet for Florida DEP Industrial Wastewater Facility Permit, IMC Phosphates Company, Mulberry, Florida - DCN 02563A01	NPDES permit for IMC Phosphates Co, IN Agrico South Pierce Operations, Polk, FL, issued 5/03/2004. Obtained for study of industrial nonutilities in the chemical manufacturing sector.	MC 13 ,	Oliver, Belinda B.			Steam Electr Power Generation	c 🗌	No	EPA-HQ-OW-2004-0032-1349

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13.3	02564	Permit, Registration	Permit to Dispose of Wastes, Formosa Plastics Corporation, Texas - DCN 02564	TX0085570 - NPDES permit for Formosa Plastics Corp, Formosa Utility Venture Ltd Calhoun, TX, issued 5/31/2001. Obtained for study of industrial nonutilities in the chemical manufacturing sector.		Commission	05/31/2001		Steam Electi Power Generation	ric 🗌	No	EPA-HQ-OW-2004-0032-1350
13.3	02565	Permit, Registration	Authorization to Discharge Under the NPDES, US Steel Mon Valley Works - Irvin Plant, Allegheny County, Pennsylvania - DCN 02565	PA0004073 - NPDES permit for United States Steel Corp, Mon Valley Works, Allegheny, PA, issued 7/26/2005. Obtainer for study of industrial nonutilities in the primary metals sector.	32 d	Balta, Stephen R.	07/26/2005		Steam Electr Power Generation	ric 🗌	No	EPA-HQ-OW-2004-0032-1351
13.3	02565A1	Other	Fact Sheet/Statement of Basis, US Steel Corporation Mon Valley Works, Irvin Plant - DCN 02565A01	NPDES permit for United States Steel Cor Mon Valley Works, Allegheny, PA, issued 7/26/2005. Obtained for study of industrial nonutilities in the primary metals sector.		Vanek, James M.	10/18/2004		Steam Electi Power Generation	ric 🗌	No	EPA-HQ-OW-2004-0032-1352
13.3	02566	Permit, Registration	Permit to Dispose of Wastes, Motiva Enterprises LLC, Huntsman Petrochemical Corporation, and Ethyl Additives Corporation - DCN 02566	TX0005835 - NPDES permit for Motiva Enterprises LLC, Port Arthur Refinery, Jefferson, TX, issued 4/05/2004. Obtained for study of industrial nonutilities in the petroleum sector.	38	Commission	04/05/2004		Steam Electr Power Generation	ric 🗌	No	EPA-HQ-OW-2004-0032-1353
13.3	02567	Permit, Registration	State Discharge Permit Number 00-DP-3066, Trigen Energy Baltimore, Baltimore, Maryland - DCN 02567	MD0066877 - NPDES permit for TRIGEN- ENERGY BALTIMORE, BALTIMORE, MD issued 8/01/2002. Obtained for study of potential new subcategories of 40 CFR 42 The facility operates under SIC code 4961 for steam supply.	), 3.	Summers, Robert	08/01/2002		Steam Electr Power Generation	ric 🗌	No	EPA-HQ-OW-2004-0032-1354
13.3	02567A1	Other	Summary Report and Fact Sheet, Trigen- Baltimore Energy Corporation, Maryland - DCN 02567A01	NPDES permit for TRIGEN-ENERGY BALTIMORE, BALTIMORE, MD, issued 8/01/2002. Obtained for study of potential new subcategories of 40 CFR 423. The facility operates under SIC code 4961 for steam supply.	5				Steam Electi Power Generation	ric 🗌	No	EPA-HQ-OW-2004-0032-1355

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13.3	02568	Permit, Registration	Authorization to Discharge Under the Oklahoma PDES, Trigen - Tulsa Energy Corporation, Tulsa, Okalahoma - DCN 02568	OK0002461 - NPDES permit for TRIGEN- TULSA ENERGY CORP, TULSA, OK, issued 9/17/2003. Obtained for study of potential new subcategories of 40 CFR 423 The facility operates under SIC code 4961 for steam supply.	13 3.		abbar, fsaneh	09/17/2003		Steam Electr Power Generation	ic 🗌	No	EPA-HQ-OW-2004-0032-1356
13.3	02569	Permit, Registration	Kansas Water Pollution Control Permit and Authorization to Discharge Under the NPDES, Wolf Creek Nuclear Operating Corporation, Wolf Creek Generationg Station - DCN 02569	KS0079057 - NPDES permit for WOLF CREEK, GENERATING STATION, Burlington, KS, issued 12/30/2004. Obtained for study of utilities citing limits or total residual oxidants.	15 1	5 Se	ecretary	12/30/2004		Steam Electr Power Generation	ic 🗌	No	EPA-HQ-OW-2004-0032-1357
13.3	02569A1	Other	Fact Sheet, Wolf Creek Nuclear Generating Station, Burlington, Kansas - DCN 02569A01	NPDES permit for WOLF CREEK, GENERATING STATION, Burlington, KS, issued 12/30/2004. Obtained for study of utilities citing limits on total residual oxidan	3 ts.	1		11/08/2004		Steam Electr Power Generation	ic 🗌	No	EPA-HQ-OW-2004-0032-1358
13.3	02570	Permit, Registration	Louisiana Pollutant Discharge Elimination System (NPDES) Permit to Discharge Process Wastewater and Process Area Stormwater, Lake Charles Manufacturing Complex, Louisiana - DCN 02570	LA0005941 - NPDES permit for CITGO Petroleum Corp, CITGO Refinery Powerhouse, Calcasieu, LA, issued 2/18/2005. Obtained for study of industrial nonutilities in the petroleum sector.	72		autreaux, aren K.	02/18/2005		Steam Electr Power Generation	ic 🗌	No	EPA-HQ-OW-2004-0032-1359
13.3	02570A1	Other	Draft Louisiana Pollutant Discharge Elimination System (NPDES) Permit to Discharge Process Wastewater and Process Stormwater, Lake Charles Manufacturing Complex - DCN 02570A1	NPDES permit for CITGO Petroleum Corp, CITGO Refinery Powerhouse, Calcasieu, LA, issued 2/18/2005. Obtained for study o industrial nonutilities in the petroleum sector	of	'9 Cł	hang, Jesse	10/28/2004		Steam Electr Power Generation	ic 🗌	No	EPA-HQ-OW-2004-0032-2774
13.3	02570A2	Other	Public Notice LDEQ Citgo Petroleum Corporation/ Lake Charles Manufacturing Complex, Draft Water Discharge Permit - DCN 02570A2	NPDES permit for CITGO Petroleum Corp, CITGO Refinery Powerhouse, Calcasieu, LA, issued 2/18/2005. Obtained for study o industrial nonutilities in the petroleum sector	of	7		11/01/2004		Steam Electr Power Generation	ic 🗌	No	EPA-HQ-OW-2004-0032-1360

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13.3	02571	Permit, Registration	NPDES Waste Discharge Permit No. WA- 003129-1, Tenaska Washington Partners, L.P., Ferndale, Washington - DCN 02571	NPDES permit for Tenaska Washington Partners LP, Tenaska Ferndale Cogeneration, Whatcom, WA, issued 8/18/2000. Obtained for study of combined cycle steam electric utilities.	28 d	Kraege, Carol	08/18/2000		Steam Electr Power Generation	ic 🗌	No	EPA-HQ-OW-2004-0032-1361
13.3	02571A1	Other	Fact Sheet for NPDES Permit WA-003129-1 Tenaska Washington Partners, L.P DCN 02571A01	NPDES permit for Tenaska Washington Partners LP, Tenaska Ferndale Cogeneration, Whatcom, WA, issued 8/18/2000. Obtained for study of combined cycle steam electric utilities.	35 d	Kmet, Nancy	06/27/2000		Steam Electr Power Generation	ic 🗌	No	EPA-HQ-OW-2004-0032-1362
13.3	02572	Permit, Registration	Preliminary Draft Package for Acadia Power Partners, L.L.C./Acadia Power Station, Louisiana - DCN 02572	LA0112836 - NPDES permit for Calpine, Acadia Energy Center, Acadia, LA, issued 12/06/2005. Obtained for study of combine cycle steam electric utilities.	101 d ed	Connor, Melanie	12/06/2005		Steam Electr Power Generation	ic 🗌	No	EPA-HQ-OW-2004-0032-1363
13.3	02572A1	Other	Application for Renewal of Louisiana Pollutant Discharge Elimination System (NPDES) Permit Number LA0112836, Acadia Power Partners, LLC - DCN 02572A01	NPDES permit for Calpine, Acadia Energy Center, Acadia, LA, issued 12/06/2005. Obtained for study of combined cycle stea electric utilities.		Guloy, Aida	02/02/2005		Steam Electr Power Generation	ic 🗌	No	EPA-HQ-OW-2004-0032-1364
13.3	02573	Permit, Registration	Missouri State Operatiing Permit, Merchant Energy Partners, Pleasant Hill, L.L.C Aries Power Plant - DCN 02573	MO0124940 - NPDES permit for Merchan Energy Partners PH, LLC, Aries Power Project, Cass, MO issued 4/01/2005. Obtained for study of combined cycle stea electric utilities.		Childers, Doyle	04/01/2005		Steam Electr Power Generation	ic 🗌	No	EPA-HQ-OW-2004-0032-1365
13.3	02574	Permit, Registration	Industrial Waste Conectiv Bethlehem, LLC NPDES Permit No. PA0064122, City of Bethlehem, Northampton County - DCN 02574	PA0064122 - NPDES permit for Conectiv Bethlehem Inc, Bethlehem Power Plant, Northhampton, PA, issued 7/30/2002. Obtained for study of combined cycle stea electric utilities.		Corwley, Katie	07/30/2002		Steam Electr Power Generation	ic 🗌	No	EPA-HQ-OW-2004-0032-1366

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13.3	02575	Permit, Registration	Acknowledgement of Waiver of Notice SPDES Permit No. NY0233196, Outfall No. 002A - DCN 02575	NY0233196 - NPDES permit for Sithe/Independence Pwr Part LP, Sithe Independence Station, Oswego, NY, issue 7/24/2002. Obtained for study of combined cycle steam electric utilities.	24 d	Mirabile, William P.	07/24/2002		Steam Electi Power Generation	ric 🗌	No	EPA-HQ-OW-2004-0032-1367
13.3	02576	Permit, Registration	State Pollution Discharge Elimination System Discharge Permit, Covanta Niagara, L.P., Niagara Falls, New York - DCN 02576	NY0106259 - NPDES permit for American Ref-Fuel Co-Niagara, American Ref-Fuel of Niagara, Niagara, NY, issued 12/01/2005. Obtained for study of utilities powered with non-423 fuels, specifically municipal solid waste, and the study of potential new subcategories of 40 CFR 423.	of	Doleski, Steven	12/01/2005		Steam Electr Power Generation	ric 🗌	No	EPA-HQ-OW-2004-0032-1368
13.3	02582	Permit, Registration	State of Florida Industrial Wastewater Facility Permit, CF Industries, Inc., Plant City, Florida - DCN 02582	FL0000078 - NPDES permit for CF Industries Inc, CFI Plant City Phosphate Complex, Hillsborough, FL. Obtained for study of industrial nonutilities in the chemical manufacturing sector.	31	Zamani, Sam S.			Steam Electr Power Generation	ric 🗌	No	EPA-HQ-OW-2004-0032-1369
13.3	02582A1	Other	Fact Sheet, Florida DEP, Phosphogypsum Facility Permit - DCN 02582A01	NPDES permit for CF Industries Inc, CFI Plant City Phosphate Complex, Hillsborough, FL. Obtained for study of industrial nonutilities in the chemical manufacturing sector.	10				Steam Electi Power Generation	ric 🗌	No	EPA-HQ-OW-2004-0032-1370
13.3	02583	Permit, Registration	Permit to Discharge Wastes, Alcoa Inc., Rockdale, Texas - DCN 02583	TX0000876 - NPDES permit for Alcoa Inc, Sandow Station, Milam, TX issued 5/02/2002. Obtained for study of industrial nonutilities in the primary metals sector.		Commission	05/02/2002		Steam Electr Power Generation	ric 🗌	No	EPA-HQ-OW-2004-0032-1371
13.3	02583A1	Other	Fact Sheet and Executive Director's Preliminary Decision - DCN 02583A01	NPDES permit for Alcoa Inc, Sandow Station, Milam, TX issued 5/02/2002. Obtained for study of industrial nonutilities the primary metals sector.	44 in	Sunderlin, Michael	12/15/2004		Steam Electi Power Generation	ric 🗌	No	EPA-HQ-OW-2004-0032-1372

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13.3	02584	Permit, Registration	NPDES Conditional "No Exposure" Exclusion and Termination of Notice of General Permit Coverage, Kalaeloa Cogeneration Plant, Kapolei, Hawaii - DCN 02584	HI03BB457 - NPDES permit for Kalaeloa Partners LP, Kalaeola Cogen Plant, Honolulu, HI, issued 1/8/2004. Obtained fo study of combined cycle steam electric utilities.	2 or	Lau, Denis R.	01/08/2004		Steam Electr Power Generation	ic 🗌	No	EPA-HQ-OW-2004-0032-1373
13.3	02585	Permit, Registration	Correction to NPDES Permit No. TN0002640 Tennessee Operations, Eastman Chemical Company, Kingsport, Tennessee - DCN 02585	TN0002640 - NPDES permit for Tennesse Eastman Operations, Eastman Chemical Co - TN Ops, Sullivan, TN, issued 10/26/0 Obtained for study of industrial nonutilities the chemical manufacturing sector.	4.	Polk, Edward	10/26/2004		Steam Electr Power Generation	ic 🗌	No	EPA-HQ-OW-2004-0032-1374
13.3	02585A1	Other	Second Addendum to Rationale, Tennessee Operations, Eastman Chemical Company - DCN 02585A01	NPDES permit for Tennessee Eastman Operations, Eastman Chemical Co - TN Ops, Sullivan, TN, issued 10/26/04. Obtained for study of industrial nonutilities the chemical manufacturing sector.	65 in	Janjic, Vojin	10/05/2004		Steam Electr Power Generation	ic 🗌	No	EPA-HQ-OW-2004-0032-1375
13.3	02587	Permit, Registration	Authorization to Discharge Under to NPDES, Orion Power Midwest, LP, Avon Lake Power Plant, Ohio - DCN 02587	OH0001112 - NPDES permit for Cleveland Electric Illuminating Co, Avon Lake, OH, issued 1/29/2003. Obtained for study of utilities citing limits on total residual oxidar		Jones, Christopher	01/29/2003		Steam Electr Power Generation	ic 🗌	No	EPA-HQ-OW-2004-0032-1376
13.3	02588	Permit, Registration	Authorization to Discharge Under the NPDES, North Atlantic Energy Service Corporation, Seabrook, New Hampshire - DCN 02588	NH0020338 - NPDES permit for FPL ENERGY SEABROOK LLC, Seabrook, NH, issued 2/12/2002. Obtained for study utilities citing limits on total residual oxidar		Murphy, Linda M.	02/12/2002		Steam Electr Power Generation	ic 🗌	No	EPA-HQ-OW-2004-0032-1377
13.3	02588A1	Other	Fact Sheet, Draft NPDES Permit to Discharge to Waters of the US, North Atlantic Energy Service Corporation, Seabrook Station - DCN 02588A01	NPDES permit for FPL ENERGY SEABROOK LLC, Seabrook, NH, issued 12/14/01. Obtained for study of utilities citi limits on total residual oxidants.		Murphy, Linda M.	12/14/2001		Steam Electr Power Generation	ic 🗌	No	EPA-HQ-OW-2004-0032-1378

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13.3	02589	Permit, Registration	Authorization to Discharge Under the NPDES, Shelly Material Inc. dba, Price Inland Terminal - DCN 02589	OH0041335 - NPDES permit for The SHELLY COMPANY, BELPRE, OH, issued 2/27/2003. Obtained for study of potential new subcategories of 40 CFR 423. This facility provides waste water treatment for an aggregate plant and operates under SIC code 4939 for combination utilities, NEC.		Jones, Christopher	02/27/2003		Steam Elect Power Generation	ric 🗌	No	EPA-HQ-OW-2004-0032-1379
13.3	02591	Permit, Registration	Authorization to Discharge Under the NPDES, FirstEnergy Generation Corp., R.E. Burger Plant - DCN 02591	OH0011592 - NPDES permit for OHIO EDISON, Shadyside, OH, 6/30/2005. Obtained for study of utilities citing limits on total residual oxidants.	43	Koncelik, Joseph P.	06/30/2005		Steam Elect Power Generation	ric 🗌	No	EPA-HQ-OW-2004-0032-1380
13.3	02592	Permit, Registration	Authorization to Discharge Under the NPDES, Orion Power Midwest, L.P., Niles Power Plant - DCN 02592	OH0011533 - NPDES permit for OHIO EDISON, Niles, OH, issued 6/30/2004. Obtained for study of utilities citing limits on total residual oxidants.	53	Jones, Christopher	06/30/2004		Steam Elect Power Generation	ric 🗌	No	EPA-HQ-OW-2004-0032-1381
13.3	02592A1	Other	Fact Sheet, Orion Power Midwest, Niles, Ohio - DCN 02592A1	NPDES permit for OHIO EDISON, Niles, OH, issued 6/30/2004. Obtained for study o utilities citing limits on total residual oxidant					Steam Elect Power Generation	ric 🗌	No	EPA-HQ-OW-2004-0032-1382
13.3	02594	Permit, Registration	Authorization to Discharge Under the NPDES, Ohio Power Company - C/O American Electric Power, Muskingum River Plant, Ohio - DCN 02594	OH0006149 - NPDES permit for AMERICAN ELECTRIC POWER, Muskingum River Plant, Waterford, OH, issued 4/01/2005. Obtained for study of utilities citing limits on total residual oxidant	51 :s.	Koncelik, Joseph P.	04/01/2005		Steam Elect Power Generation	ric 🗌	No	EPA-HQ-OW-2004-0032-1383
13.3	02595	Permit, Registration	Proposed Information Collection(PIC) Wabash River Generation Station, NPDES Permit IN0002810, Terre Haute, Indiana - DCN 02595	IN0002810 - NPDES permit for PSI Energy Inc, Wabash River, Vigo, IN, issued 10/25/2005. Obtained for study of combined cycle steam electric utilities.		Tallon, Beth L.	10/25/2005		Steam Elect Power Generation	ric 🗌	No	EPA-HQ-OW-2004-0032-1384

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13.3	02596	Publication Copyrighted Material	Draft NPDES Permit No. IN0060844 Sugar Creek Power Plant, West Terre Haute, Indiana - DCN 02596	IN0060844 - NPDES permit for Mirant Suga Creek LLC, Mirant Sugar Creek Power Plant, Vigo, IN issued 2/04/2003. Obtained for study of combined cycle steam electric utilities.	r 261	Roush, Steven K.	02/04/2003		Steam Electr Power Generation	ic 🗹	No	EPA-HQ-OW-2004-0032-2779
13.3	02600	Permit, Registration	Maryland Deparment of the Environment, Discharge Permit, Bethlehem Steel Corporation, Sparrows Point, Maryland - DCN 02600	MD0001201a - NPDES permit for Bethlehem Steel Corp, Sparrows Point, Baltimore, MD, issued 3/22/1989. Obtained for study of utilities powered with non-423 fuels, specifically blast furnace gas.	33	Nelson, Ronald	03/22/1989		Steam Electr Power Generation	ic 🗌	No	EPA-HQ-OW-2004-0032-1386
13.3	02601	Permit, Registration	Louisville Gas & Electric Company, KPDES No.: KY0002062, Jefferson County, Kentucky - DCN 02601	KY0002062 - NPDES permit for LOUISVILLE G & E CANE RUN STA, Louisville, KY, issued 5/06/2002. Obtained for study of utilities citing limits on total residual oxidants.	49	Pratt, Jeffrey W.	05/01/2002		Steam Electr Power Generation	ic 🗌	No	EPA-HQ-OW-2004-0032-1387
13.3	02602	Permit, Registration	Louisville Gas & Electric Company, KPDES No.: KY0003221, Jefferson County, Kentucky - DCN 02602	KY0003221 - NPDES permit for Louisvile G&E Mill Creek Station, Louisville, KY, issued 05/06/2002. Obtained for study of utilities citing limits on total residual oxidants	62 s.	Pratt, Jeffrey W.	05/06/2002		Steam Electr Power Generation	ic 🗌	No	EPA-HQ-OW-2004-0032-1388
13.3	02603	Permit, Registration	The Cincinnati Gas & Electric Company KPDES No.: KY0040444, Boone County, Kentucky - DCN 02603	KY0040444 - NPDES permit for CINCINNATI G & E E BEND STEAM, Rabbit Hash, KY, issued 2/05/2004. Obtained for study of utilities citing limits on total residual oxidants.	60	Pratt, Jeffery W.	02/05/2004		Steam Electr Power Generation	ic 🗌	No	EPA-HQ-OW-2004-0032-1389
13.3	02730	Permit, Registration	NPDES Permit No. PA0013714, Eddystone Generation Company - Site ID No. 239482 - DCN 02730		57	Regional Manager, Water Management	11/06/2001		Steam Electr Power Generation	ic 🗌	No	EPA-HQ-OW-2004-0032-1985

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13.3	02731	Permit, Registration	NYDEC Permit No: 7-3556-00013, Nine Mile Point Nuclear Station, Scriba (T), Oswego County - DCN 02731		20	Dlugolenski, Joe	07/21/2003		Steam Electr Power Generation	ic 🗌	No	EPA-HQ-OW-2004-0032-1986
13.3	02733	Permit, Registration	Fact Sheet, Draft NPDES Permit to Discharge to Waters of the U.S., USGen New England, Inc., Somerset, Massachusetts - DCN 02733		34	Murphy, Linda M.			Steam Electr Power Generation	ic 🗌	No	EPA-HQ-OW-2004-0032-1961
13.3	03636	Meeting or Teleconference Materials	Notes from Telephone conversation between S. Williams, Iowa Dept. of Natural Resources and Sarah Holman, ERG - DCN 03636		2	Holman, S. ERG	03/30/2006		Steam Electr Power Generation	ic 🗌	No	EPA-HQ-OW-2004-0032-2160
13.3	03637	Meeting or Teleconference Materials	Notes from Telephone conversation between J. Rohrbach, CA Environmental Protection Agency and Sarah Holman, ERG - DCN 03637	Wheelabrator Shasta Power Plant (CA0081957)	2	Holman, S. ERG	03/24/2006		Steam Electr Power Generation	ic 🗌	No	EPA-HQ-OW-2004-0032-2161
13.3	03638	Meeting or Teleconference Materials	Notes from Telephone conversation between M. Bunte, CA Environmental Protection Agency and Sarah Holman, ERG - DCN 03638	Telecon with spreadsheet attachment. Wheelabrator Shasta Power Plant (CA0081957)	3	Holman, S. ERG	03/27/2006		Steam Electr Power Generation	ic 🗌	No	EPA-HQ-OW-2004-0032-2162
13.3	03638A1	Data	Wood Ash Composition Spreadsheet - DCN 03638A1	Spreadsheet/data attachment to the March 27 Bunte telecon	n 0	M. Bunte, CA EPA	03/27/2006		Steam Electr Power Generation	ic 🗌	No	EPA-HQ-OW-2004-0032-2162.1

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13.3	03640	Meeting or Teleconference Materials	Notes from Telephone conversation between C. Devault, FL Dept. of Environmental Protection and Sarah Holman, ERG - DCN 03640	Okeelanta Cogeneration Plant (FLA15035	5) 2	Holman, S., ERG	03/29/2006		Steam Electr Power Generation	ic 🗌	No	EPA-HQ-OW-2004-0032-2164
13.3	03641	Meeting or Teleconference Materials	Notes from Telephone conversation between J. Rohrbach, California Environmental Protection Agency and Sarah Holman, ERG - DCN 03641	Calistoga Geothermal Power Plant (Feder Lease CA5636)	al 2	Holman, S., ERG	03/29/2006		Steam Electr Power Generation	ic 🗌	No	EPA-HQ-OW-2004-0032-2165
13.3	03642	Meeting or Teleconference Materials	Notes from Telephone conversation between P. Leary, California Environmental Protection Agency and Sarah Holman, ERG - DCN 03642	Calistoga Geothermal Power Plant (Feder Lease CA5636)	al 3	Holman, S., ERG	03/27/2006		Steam Electr Power Generation	ic 🗌	No	EPA-HQ-OW-2004-0032-2166
13.3	03643	Meeting or Teleconference Materials	Notes from Telephone conversation between S. Garg, PA Dept of Environmental Protection and Sarah Holman, ERG - DCN 03643	Fairless Hills Steam Generating Station (PA0057088)	2	Holman, S., ERG	03/30/2006		Steam Electr Power Generation	ic 🗌	No	EPA-HQ-OW-2004-0032-2167
13.3	03698	Permit, Registration	Tenessee, DEC NPDES Permit for TVA - Allen Fossil Plant, Memphis, Tennessee - DCN 03698	NPDES permit TN0005355 issued to TVA Allen Fossil Plant in Memphis, Tennssee of 8/4/05.Obtained for study of utilities citing limits on total residual oxidants.	- 68 on	Davis, Paul E.	08/04/2005		Steam Electr Power Generation	ic 🗌	No	EPA-HQ-OW-2004-0032-2173
13.3	03762	Meeting or Teleconference Materials	Notes from telephone conversation between Sarah Holman, ERG, and Jim Olson, Virginia Department of Environmental Quality, Water Permits Program, on March 30, 2006 - DCN 03762	Discussed I-95 Energy/Resource Recover Facility (Covanta) NPDES ID No. VA0090638, a municipal solid waste-fuele steam electric facility	-	Holman, Sarah	03/30/2006		Steam Electr Power Generation	ic 🗌	No	EPA-HQ-OW-2004-0032-2277

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13.3	03763	Meeting or Teleconference Materials	Notes from telephone conversation between Sarah Holman, ERG, and Guy Childs, California Central Valley Water Resources Control Board, Sacramento Main Office, on March 23, 2003 - DCN 03763	Discussed Calistoga Geothermal Power Plant Federal Lease CA5636, a geotherma steam electric facility	2 al	Holman, Sarah	03/23/2006		Steam Electri Power Generation	ic 🗌	No	EPA-HQ-OW-2004-0032-2278
13.3	03800	Permit, Registration	NPDES Permit issued to ExxonMobil Chemical Company - DCN 03800	LA0005479 - NPDES permit for Exxonmot Chemical Company, Baton Rouge, LA, issued 4/23/04	oil 48	Gautreaux, Karen K.	04/23/2004		Steam Electri Power Generation	ic 🗌	No	EPA-HQ-OW-2004-0032-2294
13.3	03800A1	Permit, Registration	Fact Sheet, ExxonMobil Chemical Company, Baton Rouge, LA - DCN 03800A1	NPDES permit for Exxonmobil Chemical Company, Baton Rouge, LA, issued 4/23/0	13 )4	Gautreaux, Karen K.	04/26/2004		Steam Electri Power Generation	ic 🗌	No	EPA-HQ-OW-2004-0032-2294.1
13.3	03802	Permit, Registration	Authorization to Discharge Under the NPDES, TVA - Johnsonville Fossil Plant, New Johnsonville, TN - DCN 03802	TN0005444 - NPDES permit for TVA - Johnsonville Fossil Plant, New Johnsonvill TN	27 e,	Polk, Edward M.	02/28/2005		Steam Electri Power Generation	ic 🗌	No	EPA-HQ-OW-2004-0032-2295
13.3	03802A1	Permit, Registration	Rationale for TVA - Johnsonville Fossil Plant, New Johnsonville, TN - DCN 03802A1	NPDES permit for TVA - Johnsonville Foss Plant, New Johnsonville, TN	sil 40	Fathi, Souraya	11/30/1999		Steam Electri Power Generation	ic 🗌	No	EPA-HQ-OW-2004-0032-2295.1
13.3	03803	Permit, Registration	Authorization to Discharge Under NPDES, USGen New England, Inc., Brayton Point Station, Somerset, MA - DCN 03803	MA0003654 - NPDES permit for USGen New England, Inc., Brayton Point Station, Somerset, MA	35	Murphy, Linda M.			Steam Electri Power Generation	ic 🗌	No	EPA-HQ-OW-2004-0032-2296

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13.5	01579	Meeting or Teleconference Materials	316(b) Technology Costs - DCN 01579		2	Weiss, Lori, ERG	02/17/2005		Steam Electr Power Generation	ic 🗌	No	EPA-HQ-OW-2004-0032-0359
13.5	01940	Publication	"Dry" Power Plants Produce Energy Using Less Water - DCN 01940		3	Arizona Water Resource	03/01/2002		Steam Electr Power Generation	ic 🗌	No	EPA-HQ-OW-2004-0032-0367
13.5	01941	Support Background	New Material Absorbs Mercury from Water - DCN 01941		16	Pacific Northwest Laboratory	12/01/2004		Steam Electr Power Generation	c	No	EPA-HQ-OW-2004-0032-0373
13.5	02320	Report	Integrated Pollution Prevention and Control, Reference Document on Best Available Technology for Large Combustion Plants - DCN 02320		621	European Commision			Steam Electr Power Generation	ic 🗌	No	EPA-HQ-OW-2004-0032-0374
13.5	02321	Report	Integrated Pollution Prevention and Control (IPPC) Reference Document on the Application of Best Available Techniques to Industrial Cooling Systems - DCN 02321		335	European Commision	12/01/2001		Steam Electr Power Generation	ic 🗌	No	EPA-HQ-OW-2004-0032-0376
13.5	02619	Publication Copyrighted Material	It's Time to Rethink Cooling Tower Filtration - DCN 02619		13	Marcus N. Allhands	03/03/2005	http://www.amiad.co m, February 2005	Steam Electr Power Generation	c 🗸	No	EPA-HQ-OW-2004-0032-1390

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13.5	02655	Publication Copyrighted Material	Consider Alternate Fuels to Cut Costs - DCN 02655		4		03/01/2006	Chemical Engineering www.CHE.COM, March 2006	Steam Electri Power Generation	с 🔽	No	EPA-HQ-OW-2004-0032-1391
13.5	02717	Publication Copyrighted Material	Power Plant Case Study: American Electric Power Service Corp. Clinch River Plant (Cleveland, Virginia) - DCN 02717		2	ONDEO Degremont Inc.	04/01/2001	www.infilcodegremon t.com/images/pdf/cas e_studies/cleveland. pdf	Power	с 🗹	No	EPA-HQ-OW-2004-0032-1598
13.5	02718	Publication Copyrighted Material	Zero Liquid Discharge (ZLD) System for Power Plants - DCN 02718		6	ONDEO Degremont Inc.	01/01/2002	www.infilcodegremon t.com/images/pdf/ZL D.pdf	Steam Electri Power Generation	с 🔽	No	EPA-HQ-OW-2004-0032-1599
13.5	02791	Publication Copyrighted Material		Aquatech International Corporation, a lead in the field of desalination, water reuse, an zero liquid discharge, recently received a multimillion dollar Zero Liquid Discharge (ZLD) contract for the Mitigation of Boron from the Flue Gas Desulfurization (FGD) Wastewater generated at the Dallman Power Plant in the City of Springfield, Illino	nd	Aquatech	02/23/2006	Water Source Online, 4/27/06	Steam Electri Power Generation	с 🗹	No	EPA-HQ-OW-2004-0032-1600

EPA Docket Section	DCN	Document Sub Type	TITLE	ABSTRACT	Page Count	Author	Author Date	Source Citation	Category Industry	Copyright Protected	CBI	Document ID:
13.5	02792	Publication Copyrighted Material	Case Study: Clear Lake Is First In Iowa To Provide Reuse Water For Power Plant! - DCN 02792	Clear Lake Sanitary District (CLSD) was originally built in the early 1950s and utiliza a trickling filter system. By 1988, it became evident that the treatment needs of the growing population and increasing storm flow discharges would require the plant to be upgraded. In order to meet the more stringent environmental requirements defined by the NPDES permitting authority the plant chose to undergo a major renovation. This \$23 million renovation project began in 1995 and was implemented in several phases over the course of six years. Renovation included construction of new pumping systems, a new secondary treatment system, and a new 5 million- gallon storm flow equalization basin along with renovations of eight lift stations. The trickling filter system was retrofitted with a basin AquaSBR® system in 1997 to meet their secondary treatment process needs. The remaining renovations were complete by 2001.	ed f 4-	Aqua- Aerobic Systems, Inc.		Water Source Online, 4/27/06	Steam Electri Power Generation	c 🗹	No	EPA-HQ-OW-2004-0032-1601
13.5	02794	Publication Copyrighted Material	Passing the NPDES Litmus Test: Power plant operators must control pH limits and contaminants in their wastewater streams to meet permit guidelines - DCN 02794	When people think of water issues at electric utilities, the first thought that usual comes to mind is production of high-purity water for steam generation. Even though a power plant may not have myriad fluid processes like a refinery or petrochemical facility, water discharge from a steam- generating facility is usually considerable. Chemistry in discharge streams must be carefully controlled to prevent pollution of receiving bodies of water or surrounding land.		Buecker, B; Antony, G.	05/19/2006	Water & Wastewater Products, Vol. 6, No. 3		с 🗹	No	EPA-HQ-OW-2004-0032-1602

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13.5	02797	Publication Copyrighted Material	Case Study: California's Magnolia Power Project Utilizes HERO/Crystallizer Process For Zero Liquid Discharge System - DCN 02797	The Magnolia Power Project is utilizing sta of-the-art combination utilities, NEC electri generation technology and being built on four acres of Burbank Water and Power's (BWP) generation station complex adjacent to Magnolia Boulevard in Burbank. Aker Kvaerner is serving as the Magnolia Power Project engineering, equipment procurement and construction contractor, and has been conducting engineering task since September 2002. On June 10, 2003 the mayors and utility officials of the six participating cities joined together with SCPPA officials for a Magnolia Power Project ground breaking ceremony to commemorate the start of on-site work. As part of the ceremony, a dwarf magnolia tre was planted at the entrance to what will become the project's control and service building.	ic nt ks	Aquatech International Corporation	04/06/2006	Water Online Newletter, 4/6/06	Steam Electric Power Generation	c 🗹	No	EPA-HQ-OW-2004-0032-1603
13.5	02799	Publication Copyrighted Material	'Mercury Sponge' Technology Goes From Lab To Market: Capturing mercury from coal-fired power plant emissions and EPA's list of mercury contamination sites are initial targets - DCN 02799	A material designed to capture and remov mercury and other toxic substances from industrial waste streams is now available f commercial use.		Pacific Northwest National Library	05/24/2006	Pollution Online Newsletter, 5/24/06	Steam Electric Power Generation	c 🗹	No	EPA-HQ-OW-2004-0032-1604
13.5	02841	Publication Copyrighted Material	Flue Gas Desulfurization Market Forecasted To Reach \$168 Billion By 2020 - DCN 02841		2	McIlvaine Company	06/05/2006	Pollution Online Newsletter, http://www.pollutiono nline.com/content/ne ws/article.asp?docid =969dd038-7e4b- 422c-a979-	Steam Electric Power Generation	c 🗹	No	EPA-HQ-OW-2004-0032-1605
13.5	02988	Publication Copyrighted Material	Update: Coal Gasification Comes of Age - DCN 02988	Describes past challenges and current motivators to implement IGCC. Provides economic information, power plants planning IGCC, and vendors of the technologies.	5	Shelley, Suzanne	06/01/2006	Chemical Engineering Progress (CEP); vol. 102, no. 6; June 2006; pp. 6-10.	Steam Electric Power Generation	c 🗹	No	EPA-HQ-OW-2004-0032-1606

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13.5	03202	Publication USEPA	Environmental Footprints and Costs of Coal- Based Integrated Gasification Combined Cycle and Pulverized Coal Technologies - DCN 03202		19	98	US EPA		U.S. Environmental Protection Agency, EPA-430/R-06/006, http://www.epa.gov/a irmarkets/articles/con trol.html	Steam Electri Power Generation	c 🗌	No	EPA-HQ-OW-2004-0032-1962
13.5	03206	Publication Copyrighted Material	Coal Fired Power Plant Achieves Zero Liquid Discharge for Flue Gas Desulfurization Wastewater - DCN 03206	Application of Aquatech Brine concentration at Springfield, IL Power Plant.	on 2	I	Aquatech International Corporation		Water Online Newsletter, http://www.wateronlin e.com/content/news/ article.asp?docid=5c 4a5ba9-ed65-424f- 8dea-64e47688877a	Steam Electri Power Generation	с 🗹	No	EPA-HQ-OW-2004-0032-1594
13.5	03215	Publication Copyrighted Material	Technical Paper: Outsourced Water Treatment Plant For Boiler Make-Up Water - DCN 03215	Ontario Power Generation's Pickering Nuclear Generating Station (PNGS) is an eight-unit nuclear station located near the shore of Lake Ontario, in the City of Pickering, Ontario, Canada. The original s of four (A-side) units were placed in commercial service in the early 1970's, the second set of four units (B-side) were placed in commercial service in the mid- 1980's. The generating units are rated at a Net Electrical Output of 515 MW each.	set e	2			Water Online, http://www.wateronlin e.com/content/news/ article.asp?docid={0 1d58dcf-7719-4d92- a69e- 279ec56206a4}	Steam Electri Power Generation	с 🗹	No	EPA-HQ-OW-2004-0032-1595
13.5	03217	Publication Copyrighted Material	Case Study: Turnkey Boiler Feed Water Supply For Battle River Generating Station - DCN 03217	Conventional water treatment systems operate well under stable raw water conditions. RAmerican Petroleum Institute changes in feed water (turbidity, suspende solids and total organic carbon (TOC)) car result in increased chemical use, labour requirements, poorly treated water quality even plant failure.	ed n	1			Water Online, http://www.wateronlin e.com/content/news/ article.asp?docid={c5 c5c586-b853-485e- 9810- e9ac1081a7d4}		с 🗹	No	EPA-HQ-OW-2004-0032-1596
13.5	03218	Publication Copyrighted Material	Case Study: Duke Energy Selects HERO Membrane Process For Zero Liquid Discharge Application - DCN 03217	The Arlington Valley Power station being developed by DENA is a large combination utilities, NEC power plant located in Arlington, Arizona. Duke/Fluor Daniel (DFI of Houston, Texas are owner engineers ar contractors. DFD were instrumental in selecting the HERO route for its economy, ease of operation and reduced operating costs. DFD obtained their permitting based on consideration of RO system followed by an evaporation pond.	D) nd , d	2			Water Online, http://www.wateronlin e.com/content/news/ article.asp?docid={a dcac871-1a94-42d5- a8ef-f58ad5a406eb}		с 🗹	No	EPA-HQ-OW-2004-0032-1597

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13.5	03235	Publication Copyrighted Material	Friend or Foe? Water Treatment and Cooling Towers - DCN 03235	A common saying in the water treatment industry is that cooling tower manufacturer do not know (or care) about water treatmen Likewise, the cooling tower manufacturer says he knows how to cool water and does not address water treatment.	nt.	Puckorius, Paul	01/18/2006	http://www.process- cooling.com/CDA/Art icles/Water_Works (accessed 7/26/06)			No	EPA-HQ-OW-2004-0032-2272
13.5	03236	Publication Copyrighted Material	Filters for Cooling Water Systems - DCN 03236	Are They Worthwhile?	4	Puckorius, Paul	03/01/2005	http://www.process- cooling.com/CDA/Art icles/Water_Works (accessed 7/26/06)			No	EPA-HQ-OW-2004-0032-2275
13.5	03237	Publication Copyrighted Material	Do All Closed Chilled Water Systems Need Water Treatment? - DCN 03237	Learn the Keys to Determining If Your System Needs It	3	Puckorius, Paul	01/01/2005	http://www.process- cooling.com/CDA/Art icles/Water_Works (accessed 7/26/06)			No	EPA-HQ-OW-2004-0032-2274
13.5	03238	Publication Copyrighted Material	MicroBio Control of Cooling Water Systems, Part 2 - DCN 03238	More Commonly Asked Questions about Oxidants.	4	BNP Media	11/01/2004	http://www.process- cooling.com/CDA/Art icles/Water_Works (accessed 7/26/06)			No	EPA-HQ-OW-2004-0032-1990
13.5	03239	Publication Copyrighted Material	MicroBio Control Of Cooling Water Systems - DCN 03239	Commonly Asked Questions about Oxidan	ıts 3	Puckorius, Paul	09/07/2004	http://www.process- cooling.com/CDA/Art icles/Water_Works (accessed 7/26/06)			No	EPA-HQ-OW-2004-0032-2276
13.5	03240	Publication Copyrighted Material	Do You Have Microbiologically Influenced Corrosion? Part 2 - DCN 03240	Paul Puckorius notes how microbial byproducts affect your cooling tower, close water system, chiller or condenser.	4 ed	Spielman, Sharon	07/01/2004	http://www.process- cooling.com/CDA/Art icles/Water_Works (accessed 7/26/06)			No	EPA-HQ-OW-2004-0032-2273

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13.5	03241	Publication Copyrighted Material	Do You Have Microbiologically Influenced Corrosion? - DCN 03241	Discover how microbial byproducts affect your cooling tower, closed water system, chiller or condenser.	5	Puckorius, Paul	05/01/2004	http://www.process- cooling.com/CDA/Art icles/Water_Works (accessed 7/26/06)			No	EPA-HQ-OW-2004-0032-2180
13.5	03242	Publication Copyrighted Material	Which Should You Choose? - DCN 03242	Should you design cooling tower water systems to minimize or maximize water treatment?	5	Puckorius, Paul	01/01/2004	http://www.process- cooling.com/CDA/Art icles/Water_Works (accessed 7/26/06)			No	EPA-HQ-OW-2004-0032-1994
13.5	03243	Publication Copyrighted Material	Cooling Water Treatment Selection - DCN 03243	Selecting the proper water treatment program for your cooling tower water systemeter sys	5 em.	Puckorius, Paul	01/15/2003	http://www.process- cooling.com/CDA/Art icles/Water_Works (accessed 7/26/06)			No	EPA-HQ-OW-2004-0032-1995
13.5	03244	Publication Copyrighted Material	Cooling Water Treatment vs. Cooling Systems, Part 5 - DCN 03244	Find out which factors affect cooling syste operation.	em 4	Puckorius, Paul	09/01/2002	http://www.process- cooling.com/CDA/Art icles/Water_Works (accessed 7/26/06)			No	EPA-HQ-OW-2004-0032-1996
13.5	03245	Publication Copyrighted Material	Setting Water Treatment Priorities - DCN 03245	Paul Puckorius continues his series on cooling water treatment vs. cooling syster with a look at the heat transfer equipment a process cooling system.	5 ns ≑in	Puckorius, Paul	07/01/2002	http://www.process- cooling.com/CDA/Art icles/Water_Works (accessed 7/26/06)			No	EPA-HQ-OW-2004-0032-2778
13.5	03246	Publication Copyrighted Material	Cooling Water Treatment vs. Cooling Systems, Part 3 - DCN 03246	Do you know your system?	4	Puckorius, Paul	05/12/2002	http://www.process- cooling.com/CDA/Art icles/Water_Works (accessed 7/26/06)			No	EPA-HQ-OW-2004-0032-2767

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13.5	03247	Publication Copyrighted Material	Cooling Water Treatment vs. Cooling Systems, Part 2 - DCN 03247	Identifying Water Treatment Needs	4	Puckorius, Paul	03/01/2002	http://www.process- cooling.com/CDA/Art icles/Water_Works (accessed 7/26/06)			No	EPA-HQ-OW-2004-0032-1997
13.5	03248	Publication Copyrighted Material	Cooling Water Treatment vs. Cooling Systems - DCN 03248	The objective of all cooling water treatmen is not to treat the cooling water it's to protect the equipment. Paul Puckorius begins a series on proper water treatment		Puckorius, Paul	01/01/2002	http://www.process- cooling.com/CDA/Art icles/Water_Works (accessed 7/26/06)			No	EPA-HQ-OW-2004-0032-1998
13.5	03249	Publication Copyrighted Material	Changing Technology Requires Water Treatment Modification - DCN 03249	Water and wastewater consultant Paul Puckorius discusses water treatment modifications required by changing water quality.	2	Puckorius, Paul	01/15/2001	http://www.process- cooling.com/CDA/Art icles/Water_Works (accessed 7/26/06)			No	EPA-HQ-OW-2004-0032-1999
13.5	03250	Publication Copyrighted Material	How to Protect Your Tower - DCN 03250	Water treatment specialist, columnist Paul Puckorius explains that how you treat you cooling tower depends on its materials of construction as well as its components.	1 5 r	Puckorius, Paul	03/01/2001	http://www.process- cooling.com/CDA/Art icles/Water_Works (accessed 7/26/06)			No	EPA-HQ-OW-2004-0032-2000
13.5	03355	Report	Control of Nitrogen Oxide Emissions: Selective Catalytic Reduction (SCR) - DCN 03355	Presents a CCT project, which demonstrated SCR technology for the control of NOx emissions from high-sulfur, coal-fired boilers. The report includes cost information for an SCR system.		Clean Coal Technology (CCT) Program	07/01/1997		Steam Electri Power Generation	c 🗌	No	EPA-HQ-OW-2004-0032-2001
13.5	03360	Meeting or Teleconference Materials	SCR Operation Optimization: SO3 Removal to Optimize Catalyst Life & NH3 Distribution in Wastewater - DCN 03360		20	Wright, T., Parsons Energy & Chemicals	10/30/2003	Presented at the Selective Catalytic/Non- Catalytic Reduction Conference; Chattanooga, TN; http://www.netl.doe.g	Steam Electri Power Generation	c 🗌	No	EPA-HQ-OW-2004-0032-2006

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13.5	03558	Publication Copyrighted Material	Integrated Gasificiation Combined Cycle - DCN 03558	Web page providing a brief summary and diagram of the Integrated Gasificiation combination utilities, NEC process	2	Chiyoda Corporation	08/01/2006	Chiyoda Corporation; IGCC web page; http://www.chiyoda- corp.com/biz/e/hpi/ig cc.shtml (accessed 8/31/06)	Steam Electri Power Generation	ic 🔽	No	EPA-HQ-OW-2004-0032-2181
13.5	03570	Publication Copyrighted Material	Coal and Power Systems: Gasification - DCN 03570	Web pages summarizing the DOE NETL's Gasification Technologies Program	6	U.S. DOE, NETL	08/01/2006	USDOE, National Energy Technology Laboratory (NETL); Coal and Power Systems: Gasification web page;	Steam Electri Power Generation	ic 🗹	No	EPA-HQ-OW-2004-0032-2189
13.5	03583	Publication USEPA	Environmental Footprints and Costs of Coal- Based Integrated Gasification Combined Cycle and Pulverized Coal Technologies - DCN 03583	Report provides info on the environmental impacts and costs of the coal-based IGCC technology relative to the conventional pulverized coal technologies.		USEPA; Office of Air and Radiation	07/01/2006	USEPA; Office of Air and Radiation; Washington, DC; EPA-430/R-06/006; http://www.epa.gov/a irmarkets/articles/IG CCfactsheet.html	Steam Electri Power Generation	c	No	EPA-HQ-OW-2004-0032-2190
13.5	03590	Publication USEPA	Control of Mercury Emissions from Coal Fired Electric Utility Boilers: An Update - DCN 03590	A White Paper documenting the current status of mercury controls and help inform the recent CAMR rulemaking.	59	USEPA	02/18/2005	USEPA; Office of Research and Development; National Risk Management Research Laboratory; Air	Steam Electri Power Generation	ic 🗌	No	EPA-HQ-OW-2004-0032-2194
13.5	03639	Meeting or Teleconference Materials	Notes from Telephone conversation between M. Sharma, Aquatech and TJ Finseth, ERG - DCN 03639	Boron Mitigation System	3	Finseth, TJ, ERG	04/11/2006		Steam Electri Power Generation	ic 🗌	No	EPA-HQ-OW-2004-0032-2163
13.5	03777	Publication USEPA	Air Pollution Control Technology Fact Sheet - DCN 03777	Fact sheet describing flue gas desulfurization (FGD) - wet, spray dry, and dry scrubbers. Includes cost information and design considerations.	6	U.S. EPA	01/01/2003	EPA-452/F-03-034; http://www.epa.gov/t nn/catc/dir1/ffdg/pdf	Steam Electri Power Generation	c	No	EPA-HQ-OW-2004-0032-2280

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13.5	03783	Other	Questions for Dechlorination Vendors - DCN 03783	The list of questions that were asked to the dechlorination vendors that were contacted during the steam electric detailed study		Finseth, TJ, ERG	04/01/2006		Steam Electric Power Generation	c 🗌	No	EPA-HQ-OW-2004-0032-2284
13.5	03786	Meeting or Teleconference Materials	Notes from telephone conversation between Katherine Powell, Airgas Northern California and Nevada, and TJ Finseth, ERG - DCN 03786	Discussed the cost of sulfur dioxide gas containers for use in dechlorination at stea electric power plants.	1 am	Finseth, TJ, ERG	04/11/2006		Steam Electri Power Generation	:	No	EPA-HQ-OW-2004-0032-2287
13.5	03787	Meeting or Teleconference Materials	Notes from telephone conversation between Andrew, Hydro Instruments, and TJ Finseth, ERG - DCN 03787	Discussed the use and cost of installing a sulfur dioxide dechlorination system at a steam electric power plant.	1	Finseth, TJ, ERG	04/12/2006		Steam Electric Power Generation	<b>c</b>	No	EPA-HQ-OW-2004-0032-2288
13.5	03788	Meeting or Teleconference Materials	Notes from telephone conversation between Roger Irey, Fox Croft Equipment and Service Co, and TJ Finseth, ERG - DCN 03788	Discussed the use and cost of installing a sulfur dioxide dechlorination system at a steam electric power plant.	1	Finseth, TJ, ERG	04/11/2006		Steam Electric Power Generation	<b>c</b>	No	EPA-HQ-OW-2004-0032-2289
13.5	03789	Meeting or Teleconference Materials	Notes from telephone conversation between Ralph Bucci, Environmental Equipment and Service, and TJ Finseth, ERG - DCN 03789	Discussed the use and cost of installing a sulfur dioxide dechlorination system at a steam electric power plant.	2	Finseth, TJ, ERG	04/11/2006		Steam Electric Power Generation	<b>c</b>	No	EPA-HQ-OW-2004-0032-2290

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13.5	03790	Publication Copyrighted Material	Chlorination/Dechlorination of Wastewater - DCN 03790	The effectiveness and efficiency of the disinfection process is of concern. The benefits of disinfection are in the destruction of a wide variety of waterborne diseases and viruses. The use of chlorine must minimize the need for additional treatment.Removal of excess chlorine (the amount of chlorine exceeding discharge limitations) is accomplished by the addition of chemicals such as sulfur dioxide (dechlorination) after the disinfection process is completed.	)	Capital Controls	10/01/2000	http://www.sintrol.co m/files/sintrol/product filed/513file1Upload. pdf#search=%22Dec hlorination%20010.4 011.0%22		ic 🗹	No	EPA-HQ-OW-2004-0032-2291
13.5	03791	Publication USEPA	Wastewater Technology Fact Sheet: Dechlorination - DCN 03791	Dechlorination is a process of removing residual chlorine from disinfected wastewater prior to discharge into the environment.	7	U.S. EPA	09/01/2000	EPA 832-F-00-022	Steam Electr Power Generation	ic 🗌	No	EPA-HQ-OW-2004-0032-2292
13.5	03792	Publication Copyrighted Material	Getting to Zero Discharge: How to Recycle That Last Bit of Really Bad Wastewater - DCN 03792			Bostjancic, Joe; Ludlum, Rodi; Ionics RCC	10/21/1996	The 57th annual International Water Conference, October 21-23, 2996, Bellevue, Washington. Engineers' Society	Steam Electr Power Generation	ic 🔽	No	EPA-HQ-OW-2004-0032-2293
13.5	03997	Publication Copyrighted Material	Zero Liquid Discharge (ZLD) - DCN 03997	This document is a mix of different files fro the ionics webpage. It contains case studies of zero liquid discharge systems th have been installed at steam electric powe plants within the United States.	nat	GE Intrastructure , Water & Process Tech		http://www.ionics.co m/applications/zld/in dex.htm	Steam Electr Power Generation	ic 🔽	No	EPA-HQ-OW-2004-0032-2309

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13.5	03998	Publication Copyrighted Material	Aquatech Industrial Water and Waste Water Treatment Project Profiles - DCN 03998	This document contains project profiles from the Aquatech page that involve the installation of zero liquid discharge systems that have been installed at steam electric power plants within the United States.		Aquatech		http://www.aquatech. com/prof.htm	Steam Electri Power Generation	ic 🗹	No	EPA-HQ-OW-2004-0032-2310
13.6	03544	Letter, Memorandum, Email	Email to Ronald Jordan, USEPA - DCN 03544	Cogeneration/Non Utility Power Genaratior at Petroleum Refineries. American Petroleum Institute/NPRA Survey Data.	n 2	Claff, Roger, API	07/11/2006		Steam Electri Power Generation	c	No	EPA-HQ-OW-2004-0032-2033
13.6	03544A1	Other	American Petroleum Institute/NPRA Steam Electric Power Generation Survey: Petroleum Refineries Operating Steam or Combined Cycle Generating Units - DCN 03544A1	Describes why American Petroleum Institut distributed a questionnaire to refineries operating power plants.	te 6		07/11/2006		Steam Electri Power Generation	ic 🗌	No	EPA-HQ-OW-2004-0032-2033.1
13.6	03544A2	Other	Questionnaire: American Petroleum Institute EPA Power Plant Questions - DCN 03544A2	Questionnaire that American Petroleum Institute distributed to refineries operating power plants.	7		07/11/2006		Steam Electri Power Generation	c	No	EPA-HQ-OW-2004-0032-2033.2
13.6	03544A3	Other	American Petroleum Institute Survey Response - DCN 03544A3	Tables presenting responses to American Petroleum Institute survey of refineries.	4		07/11/2006		Steam Electri Power Generation	ic 🗌	No	EPA-HQ-OW-2004-0032-2033.3
13.6	03553	Letter, Memorandum, Email	Letter to Martha Segall USEPA - DCN 03553	Preliminary Responses to UWAG Questionnaire.	29	Stieritz, James J.	08/09/2005		Steam Electri Power Generation	c	No	EPA-HQ-OW-2004-0032-2149

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13.6	03553A1	Data	Facility Capacity Chlorination/Bromine Information - DCN 03553A1		42		08/09/2006		Steam Elect Power Generation	ic 🗌	No	EPA-HQ-OW-2004-0032-2149.1
13.6	03553A2	Other	Facilities on Waterbodies with Final TMDLs - DCN 03553A2		1		08/09/2006		Steam Elect Power Generation	ic 🗌	No	EPA-HQ-OW-2004-0032-2149.2
13.6	03553A3	Data	Facility Wastestream Report - DCN 03553A3		76		08/09/2006		Steam Elect Power Generation	ic 🗌	No	EPA-HQ-OW-2004-0032-2149.3
13.6	03553A4	Data	WQBEL-Based Limits for Ash Ponds - DCN 03553A4		3		08/09/2006		Steam Elect Power Generation	ic 🗌	No	EPA-HQ-OW-2004-0032-2149.4
13.6	03568	Data	Annual Steam-Electric Plant Operation and Design Data - cover sheet - DCN 03568	Data collected by DOE's Energy Information Administration (EIA) via Form EIA-767	n 2	U.S. DOE, EIA	01/01/2002	USDOE, Energy Information Administration (EIA); Form EIA-767; http://www.eia.doe.g ov/cneaf/electricity/p age/eia767.html	Steam Elect Power Generation	ic 🗌	No	EPA-HQ-OW-2004-0032-2154
13.6	03568A1	Data	Annual Steam-Electric Plant Operation and Design Data - data files - DCN 03568A1	Data collected by DOE's Energy Information Administration (EIA) via Form EIA-767	n 684	U.S. DOE, EIA	01/01/2002	USDOE, Energy Information Administration (EIA); Form EIA-767; http://www.eia.doe.g ov/cneaf/electricity/p age/eia767.html	Steam Elect Power Generation	ic 🗌	No	EPA-HQ-OW-2004-0032-2154.1

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13.6	03568A10	Data	EIA 767 - FGP - DCN 03568A10	Data collected by DOE's Energy Informatio Administration (EIA) via Form EIA-767 abo the design and operation of the flue gas particulate removal units at electric facilities	ut	U.S. DOE, EIA	01/01/2002	USDOE, Energy Information Administration (EIA); Form EIA-767; http://www.eia.doe.g ov/cneaf/electricity/p age/eia767.html	Steam Electr Power Generation	ic 🗌	No	EPA-HQ-OW-2004-0032-2154.10
13.6	03568A11	Data	EIA 767 - Footnote - DCN 03568A11	Data collected by DOE's Energy Informatio Administration (EIA) via Form EIA-767 contains additional footnoted information from the form.	n 491	U.S. DOE, EIA	01/01/2002	USDOE, Energy Information Administration (EIA); Form EIA-767; http://www.eia.doe.g ov/cneaf/electricity/p age/eia767.html	Steam Electr Power Generation	ic 🗌	No	EPA-HQ-OW-2004-0032-2154.11
13.6	03568A12	Data	EIA 767 - Generator - DCN 03568A12	Data collected by DOE's Energy Informatio Administration (EIA) via Form EIA-767 abo the design and operation of the generators at electric facilities.	ut	U.S. DOE, EIA	01/01/2002	USDOE, Energy Information Administration (EIA); Form EIA-767; http://www.eia.doe.g ov/cneaf/electricity/p age/eia767.html	Steam Electr Power Generation	ic 🗌	No	EPA-HQ-OW-2004-0032-2154.12
13.6	03568A13	Data	EIA 767 - Plant - DCN 03568A13	Data collected by DOE's Energy Informatio Administration (EIA) via Form EIA-767 abo the design and operation of electric facilitie	ut	U.S. DOE, EIA	01/01/2002	USDOE, Energy Information Administration (EIA); Form EIA-767; http://www.eia.doe.g ov/cneaf/electricity/p age/eia767.html	Steam Electr Power Generation	ic 🗌	No	EPA-HQ-OW-2004-0032-2154.13
13.6	03568A14	Data	EIA 767 - Stack Flue - DCN 03568A14	Data collected by DOE's Energy Informatio Administration (EIA) via Form EIA-767 abo the design and operation of the stack at electric facilities.	n 123 ut	U.S. DOE, EIA	01/01/2002	USDOE, Energy Information Administration (EIA); Form EIA-767; http://www.eia.doe.g ov/cneaf/electricity/p age/eia767.html	Steam Electr Power Generation	ic 🗌	No	EPA-HQ-OW-2004-0032-2154.14
13.6	03568A15	Data	Internet F767 Data User Guide - DCN 03568A15	Data collected by DOE's Energy Informatio Administration (EIA) via Form EIA-767. Provides information about each of the oth attachments and data fields.		U.S. DOE, EIA	01/01/2002	USDOE, Energy Information Administration (EIA); Form EIA-767; http://www.eia.doe.g ov/cneaf/electricity/p age/eia767.html	Steam Electr Power Generation	ic 🗌	No	EPA-HQ-OW-2004-0032-2154.15

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13.6	03568A2	Data	EIA 767 - Boiler Cooling - DCN 03568A2	Data collected by DOE's Energy Information Administration (EIA) via Form EIA-767 about the type of cooling used for the boilers at electric facilities.		U.S. DOE, EIA	01/01/2002	USDOE, Energy Information Administration (EIA); Form EIA-767; http://www.eia.doe.g ov/cneaf/electricity/p age/eia767.html	Steam Electr Power Generation	ic 🗌	No	EPA-HQ-OW-2004-0032-2154.2
13.6	03568A3	Data	EIA 767 - Boiler FGD - DCN 03568A3	Data collected by DOE's Energy Information Administration (EIA) via Form EIA-767 on whether a boiler has an associated Flue Gas Desulphurization unit at electric facilities.	11	U.S. DOE, EIA	01/01/2002	USDOE, Energy Information Administration (EIA); Form EIA-767; http://www.eia.doe.g ov/cneaf/electricity/p age/eia767.html	Steam Electr Power Generation	ic 🗌	No	EPA-HQ-OW-2004-0032-2154.3
13.6	03568A4	Data	EIA 767 - Boiler FGP - DCN 03568A4	Data collected by DOE's Energy Information Administration (EIA) via Form EIA-767 on whether a boiler has an associated Flue Gas Particulate collection unit at electric facilities.	48	U.S. DOE, EIA	01/01/2002	USDOE, Energy Information Administration (EIA); Form EIA-767; http://www.eia.doe.g ov/cneaf/electricity/p age/eia767.html	Steam Electr Power Generation	ic 🗌	No	EPA-HQ-OW-2004-0032-2154.4
13.6	03568A5	Data	EIA 767 - Boiler Fuel - DCN 03568A5	Data collected by DOE's Energy Information Administration (EIA) via Form EIA-767 about the fuel used in the boilers at electric facilities.	833 t	U.S. DOE, EIA	01/01/2002	USDOE, Energy Information Administration (EIA); Form EIA-767; http://www.eia.doe.g ov/cneaf/electricity/p age/eia767.html	Steam Electr Power Generation	ic 🗌	No	EPA-HQ-OW-2004-0032-2154.5
13.6	03568A6	Data	EIA 767 - Boiler Generator - DCN 03568A6	Data collected by DOE's Energy Information Administration (EIA) via Form EIA-767 about the generator associated with the boilers at electric facilities.		U.S. DOE, EIA	01/01/2002	USDOE, Energy Information Administration (EIA); Form EIA-767; http://www.eia.doe.g ov/cneaf/electricity/p age/eia767.html	Steam Electr Power Generation	ic 🗌	No	EPA-HQ-OW-2004-0032-2154.6
13.6	03568A7	Data	EIA 767 - Boiler Stackflue - DCN 03568A7	Data collected by DOE's Energy Information Administration (EIA) via Form EIA-767 on whether a boiler has an associated stack at electric facilities.	54	U.S. DOE, EIA	01/01/2002	USDOE, Energy Information Administration (EIA); Form EIA-767; http://www.eia.doe.g ov/cneaf/electricity/p age/eia767.html	Steam Electr Power Generation	ic 🗌	No	EPA-HQ-OW-2004-0032-2154.7

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13.6	03568A8	Data	EIA 767 - Cooling System - DCN 03568A8	Data collected by DOE's Energy Informatic Administration (EIA) via Form EIA-767 abc the design and operation of the cooling systems at electric facilities.		U.S. DOE, EIA	01/01/2002	USDOE, Energy Information Administration (EIA); Form EIA-767; http://www.eia.doe.g ov/cneaf/electricity/p age/eia767.html	Steam Electi Power Generation	ric 🗌	No	EPA-HQ-OW-2004-0032-2154.8
13.6	03568A9	Data	EIA 767 - FGD - DCN 03568A9	Data collected by DOE's Energy Informatic Administration (EIA) via Form EIA-767 abo the design and operation of the flue gas desulphurization units at electric facilites.	on 60 out	U.S. DOE, EIA	01/01/2002	USDOE, Energy Information Administration (EIA); Form EIA-767; http://www.eia.doe.g ov/cneaf/electricity/p age/eia767.html	Steam Electr Power Generation	ric 🗌	No	EPA-HQ-OW-2004-0032-2154.9
13.6	03569	Data	Existing Electric Generating Units in the United States - cover sheet - DCN 03569	Data collected by DOE's Energy Informatic Administration (EIA) via Form EIA-860	on 2	U.S. DOE, EIA	01/01/2002	USDOE, Energy Information Administration (EIA); Form EIA-860; http://www.eia.doe.g ov/cneaf/electricity/p age/eia860.html ;	Steam Electi Power Generation	ric 🗌	No	EPA-HQ-OW-2004-0032-2155
13.6	03569A1	Data	EIA 860 - New Units 2002 - DCN 03569A1	Data collected by DOE's Energy Informatic Administration (EIA) via Form EIA-860. Summary of facility information collected.	on 684	U.S. DOE, EIA	01/01/2002	USDOE, Energy Information Administration (EIA); Form EIA-860; http://www.eia.doe.g ov/cneaf/electricity/p age/eia860.html ;	Steam Electo Power Generation	ric 🗌	No	EPA-HQ-OW-2004-0032-2155.1
13.6	03569A2	Data	EIA 860 - Plant - DCN 03569A2	Data collected by DOE's Energy Informatic Administration (EIA) via Form EIA-860 abc electric facilities.		U.S. DOE, EIA	01/01/2002	USDOE, Energy Information Administration (EIA); Form EIA-860; http://www.eia.doe.g ov/cneaf/electricity/p age/eia860.html ;	Steam Electr Power Generation	ric 🗌	No	EPA-HQ-OW-2004-0032-2155.2
13.6	03569A3	Data	EIA 860 - Owner - DCN 03569A3	Data collected by DOE's Energy Informatic Administration (EIA) via Form EIA-860 abc the ownership of electric facilities.	on 11 out	U.S. DOE, EIA	01/01/2002	USDOE, Energy Information Administration (EIA); Form EIA-860; http://www.eia.doe.g ov/cneaf/electricity/p age/eia860.html ;	Steam Electi Power Generation	ric 🗌	No	EPA-HQ-OW-2004-0032-2155.3

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13.6	03569A4	Data	EIA 860 - Generator (Existing) - DCN 03569A4	Data collected by DOE's Energy Informatio Administration (EIA) via Form EIA-860 abo existing generators at electric facilities.	n 48 ut	U.S. DOE, EIA	01/01/2002	USDOE, Energy Information Administration (EIA); Form EIA-860; http://www.eia.doe.g ov/cneaf/electricity/p age/eia860.html;	Steam Electr Power Generation	ic 🗌	No	EPA-HQ-OW-2004-0032-2155.4
13.6	03569A5	Publication Copyrighted Material	EIA 860 - Generator (Proposed) - DCN 03569A5	5 Data collected by DOE's Energy Informatio Administration (EIA) via Form EIA-860 abo proposed generators at electric facilities.		U.S. DOE, EIA	01/01/2002	USDOE, Energy Information Administration (EIA); Form EIA-860; http://www.eia.doe.g ov/cneaf/electricity/p age/eia860.html;	Steam Electr Power Generation	ic 🔽	No	EPA-HQ-OW-2004-0032-2155.5
13.6	03569A6	Data	EIA 860 - Generator (Proposed Changes) - DCN 03569A6	Data collected by DOE's Energy Informatio Administration (EIA) via Form EIA-860 abo proposed changes to generators at electric facilities.	ut	U.S. DOE, EIA	01/01/2002	USDOE, Energy Information Administration (EIA); Form EIA-860; http://www.eia.doe.g ov/cneaf/electricity/p age/eia860.html;	Steam Electr Power Generation	ic 🗌	No	EPA-HQ-OW-2004-0032-2155.6
13.6	03569A7	Data	EIA 860 - Utility - DCN 03569A7	Data collected by DOE's Energy Informatio Administration (EIA) via Form EIA-860 abo the utility owner of electric facilities.		U.S. DOE, EIA	01/01/2002	USDOE, Energy Information Administration (EIA); Form EIA-860; http://www.eia.doe.g ov/cneaf/electricity/p age/eia860.html ;	Steam Electr Power Generation	ic 🗌	No	EPA-HQ-OW-2004-0032-2155.7
13.6	03569A8	Data	EIA 860 - Layout - DCN 03569A8	Data collected by DOE's Energy Informatio Administration (EIA) via Form EIA-860. Provides information about each of the attachment and data fields.	n 54	U.S. DOE, EIA	01/01/2002	USDOE, Energy Information Administration (EIA); Form EIA-860; http://www.eia.doe.g ov/cneaf/electricity/p age/eia860.html ;	Steam Electr Power Generation	ic 🗌	No	EPA-HQ-OW-2004-0032-2155.8
13.7	01939	Report	(Final Agency Review Draft) Preliminary Engineering Report:Steam Electric Detailed Study -DCN 01939		79	ERG	07/29/2005		Steam Electr Power Generation	ic 🗌	No	EPA-HQ-OW-2004-0032-0955

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13.7	02176	Report	Preliminary Engineering Report: Steam Electric Detailed Study DCN - 02176		80	EPA	08/19/2005	Steam Electri Power Generation	c 🗌	No	EPA-HQ-OW-2004-0032-0956
13.7	02258	Report	Prelinimary Economic Report: Steam Electric Detailed Study - DCN 02258		30	Abt Associates	08/01/2005	Steam Electri Power Generation	c 🗆	No	EPA-HQ-OW-2004-0032-0379
13.7	03401	Publication USEPA	Interim Detailed Study Report for the Steam Electric Power Generating Point Source Category - DCN 03401		128	USEPA	11/01/2006 EPA-821-R-06-015	Steam Electri Power Generation	c 🗌	No	EPA-HQ-OW-2004-0032-2781
14.0	01763	Letter, Memorandum, Email	Letter to The Honorable Stephen Johnson, Acting Administrator, USEPA from Roy Hoagland, Esquire, Vice President, Environmental Protection and Restoration Chesapeake Bay Foundation re: Several permits issued by the Virginia State Water Control Board - DCN 01763	Letter from Chesapeake Bay Foundation to EPA regarding Debate with the Commonwealth of Virgini	o 2	Hoagland, Roy A.	05/24/2005	Tobacco		No	EPA-HQ-OW-2004-0032-0389
14.1	01478	Meeting or Teleconference Materials	Analytes for Tobacco Sampling - 01478		5	Bicknell, Betsy, ERG	01/07/2005	Tobacco		No	EPA-HQ-OW-2004-0032-0392
14.1	01827	Support Background	Tobacco Products Processing Detailed Study Plan November 8, 2004 -DCN 01827		10	Bicknell, Betsy, ERG	11/08/2004	Tobacco		No	EPA-HQ-OW-2004-0032-0393

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14.1	01918	Report	Generic Sampling and Analysis Plan Tobacco Products Processing Wastewater Characterization - DCN 01918		48	ERG	07/06/2005		Tobacco		No	EPA-HQ-OW-2004-0032-0395
14.1	01923	Report	QA Project Plan for the Tobacco Products Processing Sampling Program - DCN 01923		121	ERG	07/06/2005		Tobacco		No	EPA-HQ-OW-2004-0032-0403
14.1	02214	Study	Effluent Guidelines Program Study of the Tobacco Industry - DCN 02214		2	Matuszko, Jan EPA	08/01/2005		Tobacco		No	EPA-HQ-OW-2004-0032-0404
14.2	01334	Publication Copyrighted Material	Tobacco Terminology - DCN 01334		5	Universal Corporation	11/01/2004		Tobacco		No	EPA-HQ-OW-2004-0032-0406
14.2	01335	Publication	Alcohol and Tobacco Tax and Trade Bureau National Revenue Center - Monthly Statistical Release - Tobacco Products		2	Alcohol & Tobacco Tax & Trade Bureau	09/24/2003		Tobacco		No	EPA-HQ-OW-2004-0032-0408
14.2	01336	Publication	US Tobacco Industry reponding to New Competitors, New Challenges		8	Thomas C. Capehart, Jr	09/01/2003		Tobacco		No	EPA-HQ-OW-2004-0032-0409

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14.2	01338	Study	The Science Behind Tobacco - Cigarettes and Nicotine		4	Liberty Science Center	11/03/2004		Tobacco		No	EPA-HQ-OW-2004-0032-0411
14.2	01339	Publication	Philip Morris Under Fire- DCN 01339		3	Donna C. Gregory	10/18/2004		Tobacco		No	EPA-HQ-OW-2004-0032-0957
14.2	01340	Study	Toxicity Studies in a Tobacco Industry Biological Treatment Plant - DCN 01340		28	Delia T. Sponza	12/21/1999		Tobacco		No	EPA-HQ-OW-2004-0032-0413
14.2	01341	Petition to Reconsider	1996 Public Data Release Toxics Release Inventory Data for Tobacco Products (SIC Code 21)		28		01/01/1996		Tobacco		No	EPA-HQ-OW-2004-0032-0416
14.2	01342	Report	Protecting People and the Environment When Choosing and Using Pesticides		6	P. Sterling Southern			Tobacco		No	EPA-HQ-OW-2004-0032-0417
14.2	01343	Report	Tobacco Industry Profile		3	Yahoo!Finan ce	11/01/2004		Tobacco		No	EPA-HQ-OW-2004-0032-0419

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14.2	01344	Support Background	Profile: Altria Group Inc (MO)		2	Yahoo!Finan ce	11/01/2004		Tobacco		No	EPA-HQ-OW-2004-0032-0421
14.2	01345	Support Background	Profile: Reynolds American Inc		2	Yahoo!Finan ce	11/01/2004		Tobacco		No	EPA-HQ-OW-2004-0032-0422
14.2	01346	Support Background	Profile: Vector Group Ltd		2	Yahoo!Finan ce	11/01/2004		Tobacco		No	EPA-HQ-OW-2004-0032-0424
14.2	01347	Report	Carolina Group Company Profile, Greensboro, NC		2	Yahoo!Finan ce	11/01/2004		Tobacco		No	EPA-HQ-OW-2004-0032-0425
14.2	01349	Support Background	Our Tobacco Business		3	Universal Corporation	11/01/2004		Tobacco		No	EPA-HQ-OW-2004-0032-0426
14.2	01350	Support Background	Dimon: Worldwide Operations		2	Dimon	11/01/2004		Tobacco		No	EPA-HQ-OW-2004-0032-0427

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14.2	01351	Support Background	Standard Commerical Corporation Profile		2	SCC	11/01/2004		Tobacco		No	EPA-HQ-OW-2004-0032-0430
14.2	01353	Support Background	Lorillard Tobacco Company Ingredients		6	Lorillard Tobacco	11/01/2004		Tobacco		No	EPA-HQ-OW-2004-0032-0432
14.2	01354	Support Background	R.J. Reynolds List of Ingredients (2004) Tobacco Ingredient List		16	Brown & Williamson Tobacco	11/22/2004		Tobacco		No	EPA-HQ-OW-2004-0032-0433
14.2	01355	Support Background	R.J. Reynolds List of Ingredients (2002) (Tobacco Company) Smoking & Health		17	Reynolds Tobacco	11/22/2004		Tobacco		No	EPA-HQ-OW-2004-0032-0435
14.2	01356	Support Background	Philip Morris US - Products Facts - Ingredients in Cigarettes - View Tobacco Ingredients for all PM USA Brands		10	Philip Morris USA	11/22/2004		Tobacco		No	EPA-HQ-OW-2004-0032-0437
14.2	01357	Support Background	Cigarette Manufacturing: 2002 Economic Census Manufacturing Industry Series		10	US Census Bureau	07/01/2004		Tobacco		No	EPA-HQ-OW-2004-0032-0439

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14.2	01358	Support Background	Other Tobacco Product Manufacturing: 2002 Economic Census Manufacturing Industry Series		10	US Census Bureau	08/01/2004		Tobacco		No	EPA-HQ-OW-2004-0032-0441
14.2	01359	Report	Tobacco Stemming and Redrying: 2002 Economic Census Manufacturing Industry Series		10	US Census Bureau	08/01/2004		Tobacco		No	EPA-HQ-OW-2004-0032-0386
14.2	01360	Report	Cigarette Manufacturing - 1997 Economic Census Manufacturing Industry Series		31	US Census Bureau	06/01/1999		Tobacco		No	EPA-HQ-OW-2004-0032-0387
14.2	01361	Report	Tobacco Stemming and Redrying		33	US Census Bureau	08/01/1999		Tobacco		No	EPA-HQ-OW-2004-0032-0388
14.2	01362	Support Background	Tobacco - TRI PCS Data		5	US Census Bureau	01/01/2004		Tobacco		No	EPA-HQ-OW-2004-0032-0390
14.2	01364	Report	Pesticides on Tobacco		38	General Accounting Office	03/01/2003		Tobacco		No	EPA-HQ-OW-2004-0032-0391

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14.2	01365	Letter, Memorandum, Email	Environmental Fate of Nicotine		3	David Taylor	05/19/1989		Tobacco		No	EPA-HQ-OW-2004-0032-0394
14.2	01366	Letter, Memorandum, Email	Park 500 Wastewater Treatment Nicotine Survey		5	J. D. Baggett	09/27/1991		Tobacco		No	EPA-HQ-OW-2004-0032-0396
14.2	01367	Support Background	Park 500 Wastewater Treatment Plant - "Old" Nicotine Data		1		05/10/1997		Tobacco		No	EPA-HQ-OW-2004-0032-0399
14.2	01368	Study	Tobacco Pesticides Safe		1	Faye Marley	02/29/1964		Tobacco		No	EPA-HQ-OW-2004-0032-0405
14.2	01369	Support Background	Hanmer Division Intake Water and Process Effluent Waste Water		1		03/17/1977		Tobacco		No	EPA-HQ-OW-2004-0032-0407
14.2	01370	Support Background	G-13 Environmental Conditions: Waste Water, Air and Noise		1	R. J. Renyolds	10/01/1976		Tobacco		No	EPA-HQ-OW-2004-0032-0410

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14.2	01371	Support Background	Stem Washing, Waste Water Problem		3	PME(Philip Morris Eur) Research Laboratory	03/01/1976		Tobacco		No	EPA-HQ-OW-2004-0032-0412
14.2	01372	Report	Characterization of Waste Water and Other Solid Waste Generated During the DIET Process		6	R. D. Hicks	03/16/1993		Tobacco		No	EPA-HQ-OW-2004-0032-0414
14.2	01373	Report	Investigations on the Behavior of Tobacco Extracts, Cigarette Butts and Nicotine in Sewage Treatment Plants		24	S. Gartiser, R. Wilmund	03/17/1998		Tobacco		No	EPA-HQ-OW-2004-0032-0415
14.2	01374	Report	Determination of Nitrate in Tobacco and Nitrate/Nitrite Nitrogen in Wastewater by Segment Continuous-Flow Analysis		18	Linda A. Crumpler	03/04/1986		Tobacco		No	EPA-HQ-OW-2004-0032-0418
14.2	01476	Publication	Pesticides on Tobacco Federal Activities to Assess Risks and Monitor Residues, GAO-03- 485, March 2003 - 01476		45	U.S. General Accounting Office	03/01/2005		Tobacco		No	EPA-HQ-OW-2004-0032-0420
14.2	01477	Report	Maleic Hydrazide (Pesticide residues in food 1977 evaluations) - 01477		4	FAO/WHO	01/01/1977		Tobacco		No	EPA-HQ-OW-2004-0032-0423

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14.2	01491	Publication USEPA	Chapter 3 Toxics Release Inventory Data for Tobacco Products (SIC Code 21) - DCN 01491		26	Johnston, Carey A., US EPA	01/01/1997		Tobacco		No	EPA-HQ-OW-2004-0032-0958
14.2	01492	Support Background	Websters Online. Search by SIC Codes - DCN 01492		6	Johnston, Carey A., US EPA	10/13/2004		Tobacco		No	EPA-HQ-OW-2004-0032-0428
14.2	01804	Meeting or Teleconference Materials	Telephone Call Notes - Alliance One International -DCN 1804		1	Matuszko, Jan EPA	07/12/2005		Tobacco		No	EPA-HQ-OW-2004-0032-0429
14.2	01805	Meeting or Teleconference Materials	Meeting Notes - Dimon International -DCN 01805		2	Matuszko, Jan EPA	05/31/2005		Tobacco		No	EPA-HQ-OW-2004-0032-0431
14.2	01828	Data	Reynolds Hanmer Effluent Monitoring Data - DCN 01828		0		06/01/2005		Tobacco		No	EPA-HQ-OW-2004-0032-0434
14.2	01829	Support Background	Permit Renewal Application, VA NPDES Permit, Reynolds Hanmer Plant -DCN 01829		40		04/01/2005		Tobacco		No	EPA-HQ-OW-2004-0032-0436

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14.2	01830	Letter, Memorandum, Email	Lorillard Tobacco Company Wastewater Discharges -DCN 01830		3	Lovelace, Victoria, Lorillard Tobacco Comp	06/16/2005		Tobacco		No	EPA-HQ-OW-2004-0032-0438
14.2	01831	Support Background	Hanmer Wastewater Facilities -DCN 01831		9		06/16/2005		Tobacco		No	EPA-HQ-OW-2004-0032-0440
14.2	01832	Letter, Memorandum, Email	Industrial User Permit, RJR Whitaker Park - DCN 01832		20	Bagwell, Sherry, City of Winston- Salem	06/26/2002		Tobacco		No	EPA-HQ-OW-2004-0032-0442
14.2	01833	Report	Industrial User Permit, RJR Tobaccoville -DCN 01833		20	Bagwell, Sherry, City of Winston- Salem	06/26/2002		Tobacco		No	EPA-HQ-OW-2004-0032-0443
14.2	01834	Meeting or Teleconference Materials	Philip Morris Wastewater Discharge Summaries -DCN 01834		300	Pickelhaupt, John, Jr, Philip Morris, USA	05/16/2005		Tobacco		No	EPA-HQ-OW-2004-0032-0447
14.2	01835	Support Background	RJ Reynolds Tobacco Company Wastewater Information -DCN 01835		2	RJ Reynolds	05/03/2005		Tobacco		Yes	EPA-HQ-OW-2004-0032-0449

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14.2	01919	Letter, Memorandum, Email	Call with J.R. McCollum, Tobacco, Tax, and Trade Bureau - DCN 01919		8	Bicknell, Betsy, ERG	05/03/2005		Tobacco		No	EPA-HQ-OW-2004-0032-0457
14.2	01922	Letter, Memorandum, Email	Meeting Notes - Philip Morris USA - DCN 01922	2	2	Matuszko, Jan EPA	05/31/2005		Tobacco		No	EPA-HQ-OW-2004-0032-0458
14.2	02117	Support Background	RJ Reynolds Tobacco Company Wastewater Information - not CBI - DCN 02117	NOT CBI - Summary of information from t three RJ Reynolds facilities where EPA conducted sampling. Contains informatio about facility treatment systems, permit restrictions and some averaged monitorin data.	n	RJ Reynolds	08/17/2005		Tobacco		No	EPA-HQ-OW-2004-0032-1026
14.2	02210	Letter, Memorandum, Email	Alliance One Tobacco Stemming Facilities - DCN 02210		2	Matuszko, Jan EPA	08/09/2005		Tobacco		No	EPA-HQ-OW-2004-0032-0959
14.2	02219	Letter, Memorandum, Email	Effluent Guidelines Program Study of the Tobacco Industry - DCN 02219		3	Lovelace, Victoria, Lorillard Tobacco Comp	06/16/2005		Tobacco		No	EPA-HQ-OW-2004-0032-0459
14.2	02221	Meeting or Teleconference Materials	Telephone Call Notes - Alliance One International - DCN 02221		1	Matuszko, Jan EPA	07/12/2005		Tobacco		No	EPA-HQ-OW-2004-0032-0460

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14.2	02255	Support Background	BOD and COD Influent and Effluent Concentrations - DCN 02255		1				Tobacco		No	EPA-HQ-OW-2004-0032-0461
14.2	02281	Letter, Memorandum, Email	Tobacco Manufacturing Industry: Economic Profile - DCN 02281		1	Covington, James, III, USEPA	08/10/2005		Tobacco		No	EPA-HQ-OW-2004-0032-0462
14.2	02325	Publication Copyrighted Material	Conversion of Nicotine in Tobacco Smoke to Its Volatile and Available Free-Base Form through the Action of Gaseous Ammonia - DCN 02325		12	Pankow, James F.	01/01/1997		Tobacco		No	EPA-HQ-OW-2004-0032-0463
14.2	02393	Data	RJ Reynolds Hanmer Monitoring Data - June 2005 - DCN 02393	Hanmer facility treatment system influent, effluent, and percent removal.	9	Murphy, Bill	06/30/2005		Tobacco		Yes	EPA-HQ-OW-2004-0032-2040
14.2	02394	Permit, Registration	VPDES Permit Number VA 0002780, VPDES Permit Reissuance Brown & Williamson Tobacco Corp., Hanmer Division - DCN 02394	NPDES permit for R. J. Reynolds Hanmer Division, Chester VA reconstituted tobacc facility.	· 28 o	Golden, James	09/13/2004		Tobacco		No	EPA-HQ-OW-2004-0032-2041
14.2	02688	Letter, Memorandum, Email	Email to Jan Matuszko, EPA/EAD - DCN 02688	Virginia Department of Environmental Quality response to EPA request for information about discharges from two tobacco plants in Chester, VA.	1	Kyle Ivar Winter	03/22/2006		Tobacco		No	EPA-HQ-OW-2004-0032-1963

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14.2	02719	Letter, Memorandum, Email	Memorandum to 2006 Effluent Guidelines Program Plan Record: Swisher International Cigar Manufacturing - DCN 02719	Swisher International Cigar Manufacturing	1	Matuszko, Jan EPA	05/08/2006		Tobacco		No	EPA-HQ-OW-2004-0032-1964
14.2	02798	Letter, Memorandum, Email	Memorandum to Jan Matuszko, USEPA - DCN 02798	R.J. Reynolds Tobacco Company (RJRT) submitted the following four reports concerning the fate and effects of nicotine discharges to the waters of the U.S. in response to a request for data in the Notic of Availability of Preliminary 2006 Effluent Guidelines Program Plan.	e	Upgren, A., USEPA	05/18/2006		Tobacco		No	EPA-HQ-OW-2004-0032-2142
14.2	02961	Letter, Memorandum, Email	Email to Jan Matuszko, USEPA - DCN 02961	Closure of R.J. Reynolds Hanmer facility. Hanmer Whitaker Park, and Tobaccoville discharge flows.	3	Shore, Myron - RJ Reynolds Tobacco	02/23/2006		Tobacco		Yes	EPA-HQ-OW-2004-0032-2526
14.2	02967	Meeting or Teleconference Materials	Meeting Notes - Philip Morris USA - DCN 02967		2	Jan Matuszko, Tobacco Study Lead	05/31/2005	USEPA. Jan Matuszko, Project Lead, to Project File	Tobacco		No	EPA-HQ-OW-2004-0032-1965
14.2	03065	Letter, Memorandum, Email	Memorandum to Erik Winchester, USEPA, Office of Research and Development - DCN 03065	Review of nicotine studies.	2	Mount, David R.	04/04/2006	USEPA, National Health & Environmental Effects Research Laboratory	Tobacco		No	EPA-HQ-OW-2004-0032-2048
14.2	03442	Analysis	Philip Morris Cabarrus Facility DMR Summary - DCN 03442	Summarizes the monitoring data from the Cabarrus DMR data for the year 2004. Th average concentrations for each month ar used to calculate an average concentratio for the year.	ie e	Finseth, TJ	08/28/2006		Tobacco		No	EPA-HQ-OW-2004-0032-2071

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14.2	03443	Analysis	Philip Morris Park 500 DMR Summary - DCN 03443	Summarizes the monitoring data from the Park 500 DMR data for the year 2004. Th average concentrations for each month ar used to calculate an average concentratio for the year.	ie e	Finseth, TJ	08/28/2006		Tobacco		No	EPA-HQ-OW-2004-0032-2072
14.2	03491	Publication Copyrighted Material	Conversion of Nicotine into Nornicotine and N- Methylmyosmine by Fungi - DCN 03491	Several species of fungi were tested for th abilities to degrade (S)-nicotine, of which Pelliculariafilamentosa JTS-208, the pathogen of tobacco damping off disease, and Cunninghamella echinulata IFO-4444 saprophyte, were found to be able to degrade nicotine. P.filamentosa JTS-208 accumulated nornicotine only in the nicotin medium. C. echinulata IFO-4444 accumulated nornicotine and N- methylmyosmine, the first fungal metabolit and three unidentified compounds.	, , a ne	UCHIDA, Setsuko, et al.	09/30/1982	Agric. Biol. Chem., 47 no. 9 (1949- 1953), 1983	Tobacco		No	EPA-HQ-OW-2004-0032-2175
14.2	03492	Publication Copyrighted Material	Nicotine Decontamination Of Tobacco Agro- Industrial Waste And Its Degradation By Micro- Organisms - DCN 03492	A hazardous solid waste is accumulated during the processing of tobacco for the manufacture of cigarettes. Its main characteristics are the high nicotine conter as the only toxic compound, and the powdery structure that does not permit recycling. A biotechnological process is proposed to detoxify these powdery tobac residues. The toxic compound, nicotine, is transferred from the solid phase to an aqueous solution through efficient percolation. Nicotinophilic micro-organism were screened to evaluate their ability to degrade nicotine directly in the extracted liquid. The biodegradation process was followed by nicotine detection and CO2 production, while other parameters were determined to assess the correct disposal the final products. Among three strains used, Pseudomonas putida had the best nicotine degradation performance in this complex medium.	s S	Civilini, Marcello, et al.	02/14/1997	Waste Management & Research 15 (349- 358) 1997			No	EPA-HQ-OW-2004-0032-2176

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14.2	03494	Other	Endocrine Disruptors And Pharmaceutically Active Compounds: U.S. Regulations And Research - DCN 03494	Compounds that can alter the endocrine system of animals have been detected in water supplies around the world as the result of human activities. These substance are known as endocrine-disrupting compounds (EDCs) and have been linked a variety of adverse effects in both humans and wildlife, including hormone-dependent cancers, reproductive tract disorders, and reduction in reproductive fitness. Pharmaceutical compounds and their metabolites have been collectively termed pharmaceutically active compounds (PhACs). Many PhACs have now been detected in surface waters, a few of which have been detected in finished drinking water. Personal care products (PCPs) create another class of emerging contaminants that have been detected in surface and ground waters.	to S	Snyder, Shane			Tobacco		No	EPA-HQ-OW-2004-0032-2076
14.2	03495	Other	Park 500 Wastewater Treatment Facility Enhancement: Technological Solutions for Nutrient Control - DCN 03495	Overview of Philip Morris, Park 500 Wastewater Treatment plant upgrades for biological nutrient removal	9	Nobinger, Tony, Philip Morris USA	04/11/2005 E V	nvironment irginia 2005	Tobacco		No	EPA-HQ-OW-2004-0032-2073
14.2	03497	Meeting or Teleconference Materials	Notes from Telephone call between Michael Richardson, Maryland Department of the Environment and TJ Finseth, ERG - DCN 03497	Discussion of NPDES Permit status for Tobacco Technology Incorporated	1	Finseth, T. J.	11/09/2005		Tobacco		No	EPA-HQ-OW-2004-0032-2074
14.2	03498	Letter, Memorandum, Email	Email to Jan Matuszko - DCN 03498	R.J. Reynolds descriptions of operations and wastewater discharges at their Walnut Cove, NC and Yabucoa, PR facilities.	2	Curl, Steve C.	09/27/2005		Tobacco		No	EPA-HQ-OW-2004-0032-2075

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14.2	03499	Meeting or Teleconference Materials	Notes from Telephone conversation between Beverly Metcalf, Water & Sewer Authority of Cabarrus County and TJ Finseth, ERG, November 18, 2005 DCN 03499	Philip Morris Cabarrus Operations discharges to the Cabarrus County POTW	, 1	Finseth, T. J.	11/18/2005		Tobacco		No	EPA-HQ-OW-2004-0032-2077
14.2	03499A1	Letter, Memorandum, Email	Letter to Beverly Metcalf, Water and Sewer Authority of Cabarrus County - DCN 03499A1	Obtaining Monitoring Data for Philip Morris Cabarrus plant.	5 2	Finseth, T. J.	11/28/2005		Tobacco		No	EPA-HQ-OW-2004-0032-2077.1
14.2	03499A2	Data	Cabarrus POTW Monitoring Data - DCN 03499A2		6	Cabarrus County, North Carolina			Tobacco		No	EPA-HQ-OW-2004-0032-2077.2
14.2	03500	Meeting or Teleconference Materials	Notes from Telephone call between Sherry Crewe, City of Richmond and TJ Finseth, ERG. December 7, 2005 DCN 03500	Philip Morris Commerce Road discharges the Richmond POTW	to 1	Finseth, T. J.	12/07/2005		Tobacco		No	EPA-HQ-OW-2004-0032-2078
14.2	03500A1	Data	Richmond POTW Monitoring Data for Philip Morris Blended Leaf Plant - DCN 03500A1	This is on a CD	0	State of Virginia			Tobacco		No	EPA-HQ-OW-2004-0032-2078.1
14.2	03500A2	Data	Richmond POTW Monitoring Data for Philip Morris Commerce Road Complex - DCN 03500A2	This is on a CD	0	State of Virginia			Tobacco		No	EPA-HQ-OW-2004-0032-2078.2

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14.2	03501	Meeting or Teleconference Materials	Notes from Telephone Call between Sherry Bagwell, City of Winston-Salem and TJ Finseth, ERG. November 17, 2005 - DCN 03501	R.J. Reynolds Whitaker Park and Tobaccoville discharges to the Winston- Salem POTW	1	Finseth, T. J.	11/17/2005		Tobacco		No	EPA-HQ-OW-2004-0032-2079
14.2	03501A1	Letter, Memorandum, Email	Email to Thomas Finseth, ERG - DCN 03501A1	Transmittal of monitoring data from Winsto Salem, NC POTW	on- 1	Bagwell, Sherry	11/18/2005		Tobacco		No	EPA-HQ-OW-2004-0032-2079.1
14.2	03501A2	Data	Winston-Salem POTW Monitoring Data for Tobaccoville and Whitaker Park - DCN 03501A2	CD	0	State of North Carolina			Tobacco		No	EPA-HQ-OW-2004-0032-2079.2
14.2	03502	Meeting or Teleconference Materials	Notes from Telephone call between Sharon Miller and Martie Groome, City of Greensboro and TJ Finseth, ERG, November 21, 2005 - DCN 03502	Lorillard Discharges to the Greensboro POTW	2	Finseth, T. J.	11/21/2005		Tobacco		No	EPA-HQ-OW-2004-0032-2080
14.2	03502A1	Letter, Memorandum, Email	Letter to Sharon Miller, Industrial Pretreatment Program, McCleansville, NC - DCN 03502A1	Request for monitoring data for Lorillard facility.	2	Matuszko, Jan, USEPA	11/28/2005		Tobacco		No	EPA-HQ-OW-2004-0032-2080.1
14.2	03502A2	Letter, Memorandum, Email	Email to Thomas Finseth, ERG - DCN 03502A2	Transmittal of monitoring data and SIU permit for Lorillard facility.	3	Miller, Sharon, Pretreatment Coordinator	12/02/2005		Tobacco		No	EPA-HQ-OW-2004-0032-2080.2

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14.2	03502A3	Permit, Registration	Significant Industrial User Wastewater Discharge Permit, SIU Permit Number P004, Lorillard Tobacco Company - DCN 03502A3	Permit expires 4/30/08.	6	Miller, Sharon	05/01/2003		Tobacco		No	EPA-HQ-OW-2004-0032-2080.3
14.2	03502A4	Permit, Registration	Section V- Significant Industrial User Wastewater Discharge General Permit Conditions - DCN 03502A4		10				Tobacco		No	EPA-HQ-OW-2004-0032-2080.4
14.2	03502A5	Data	Greensboro POTW Monitoring Data for Lorillard - DCN 03502A5	CD	0	State of North Carolina			Tobacco		No	EPA-HQ-OW-2004-0032-2080.5
14.2	03505	Letter, Memorandum, Email	Letter to Jan Matuszko, USEPA - DCN 03505	Transmittal of permit, Swisher Internationa Cigar Manufacturing JEA Industrial Wastewater Discharge Permit #116	al 1	Jarrell, Melanie	04/18/2006		Tobacco		No	EPA-HQ-OW-2004-0032-2083
14.2	03505A1	Permit, Registration	Letter to Ron Schwartz, Vice President Engineering, Swisher International - DCN 03505A1	Industrial User Discharge Permit #116 Permit Modification. Swisher International, Inc. permit will expire 9/1/07.	, 22	Hilton, Randy	01/09/2004		Tobacco		No	EPA-HQ-OW-2004-0032-2083.1
14.2	03506	Permit, Registration	Letter to Glen Childers, Engineering Manager, G.F Vaughan Tobacco Company, Inc DCN 03506	NPDES permit number KY0096008 to G. I Vaughan Tobacco Company, Inc. in Lexington Kentucky. Expires 3/31/07	F. 17	Kentucky, DEP	07/10/2001		Tobacco		No	EPA-HQ-OW-2004-0032-2084

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14.2	03506A1	Other	G. F. Vaughan Tobacco Company Permit Application and DMR Data, Lexington, Kentucky - DCN 03506A1		30	G. F. Vaughan Tobacco Company, Inc.	04/01/2001		Tobacco		No	EPA-HQ-OW-2004-0032-2084.1
14.2	03509	Other	Direct Discharging Tobacco Facilities - DCN 03509	Description of direct discharge tobacco facilities, NPDES permit number, and date of follow-up correspondence.	1	ERG			Tobacco		No	EPA-HQ-OW-2004-0032-2085
14.2	03510	Other	Questions for the Altadis McAdoo Facility - DCN 03510	Questions and answers about operations and wastewater discharges from the Altad McAdoo facility.	2 is	ERG			Tobacco		No	EPA-HQ-OW-2004-0032-2086
14.2	03510A1	Meeting or Teleconference Materials	Notes from Telephone Call between Atul Govil, Altadis U.S.A. and TJ Finseth, ERG - DCN 03510A1	Wastewater Discharges from the Altadis Cigar Manufacturing Facility. Description of reconstituted tobacco production for cigar manufacture.	1 of	Finseth, T. J.	02/28/2006		Tobacco		No	EPA-HQ-OW-2004-0032-2086.1
14.2	03510A2	Permit, Registration	Letter to John Fedro, Consolidated Cigar Corp - DNC 03510A2	NPDES permit number PA0039861 issued to Consolidated Cigar Corp. in Banks Township, Pennsylvania, Expires 6/24/05.	1 12	Pennsylvania , DEP	06/25/2000		Tobacco		No	EPA-HQ-OW-2004-0032-2086.2
14.2	03510A3	Letter, Memorandum, Email	Letter to T. J. Finseth, ERG - DCN 03510A3	Discusses manufacture of cigar filler and reconstituted tobacco and describes outfal	2 lls.	Govil, Atul	04/03/2006		Tobacco		No	EPA-HQ-OW-2004-0032-2086.3

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14.2	03511	Letter, Memorandum, Email	Facimile to Linda Chapman, Alcohol and Tobacco Tax and Trade Bureau - DCN 03511	EPA request for TTB Data for Official Duties	: 4	Johnston, Carey A.	10/06/2003		Tobacco		No	EPA-HQ-OW-2004-0032-2087
14.2	03512	Letter, Memorandum, Email	Email to Jan Matuszko, USEPA - DCN 03512	Philip Morris Draft Facility Sampling Reports. Philip Morris will provide source water sample data.	3	Bridge, Charles T.	01/31/2006		Tobacco		No	EPA-HQ-OW-2004-0032-2088
14.2	03513	Letter, Memorandum, Email	Email to Jan Matuszko, USEPA - DCN 03513	RJ Reynolds does not claim Hanmer influer to treatment data as CBI.	t 3	Curl, Steve C.	02/14/2006		Tobacco		No	EPA-HQ-OW-2004-0032-2089
14.2	03514	Letter, Memorandum, Email	Email to Ellen Gilinsky, Director, Water Quality Programs, VA DEQ - DCN 03514	Request for Information for Tobacco Products Permitted Facilities in Richmond VA Area	2	Matuszko, Jan, USEPA	02/28/2006		Tobacco		No	EPA-HQ-OW-2004-0032-2090
14.2	03515	Letter, Memorandum, Email	Email to Jan Matuzsko, USEPA - DCN 03515	Describes USGS data source for James River, VA monitoring data and boron concentrations.	13	Bicknell, Betsy, ERG	02/13/2006		Tobacco		No	EPA-HQ-OW-2004-0032-2091
14.2	03515A1	Data	USGS Monitoring Data for James River, VA - DCN 03515A1	Data for chemical constituents in the James River, VA	7			USGS NWIS Web	Tobacco		No	EPA-HQ-OW-2004-0032-2091.1

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14.2	03517	Publication Other Government	USDA Tobacco Background - DCN 03517	Tobacco is used for cigarettes, cigars, chewing, snuff, and pipes. Different types and kinds of tobacco are used in these tobacco products. The United States grow six major classes of tobacco: flue-cured, a cured, fire-cured, cigar filler, cigar binder, and cigar wrapper.	/S	USDA, Economic Research Service	10/03/2005	http://www.ers.usda. gov/Briefing/Tobacco /Background.htm, accessed 8/24/06.	Tobacco		No	EPA-HQ-OW-2004-0032-2092
14.2	03518	Publication Copyrighted Material	Prudent Peddler Cigar Basics - DCN 03518	Cigars are made either by hand or by a machine. A handmade cigar is where the tobacco leaves were picked, sorted, and bundled by an individual, not a machine.	2	The Prudent Peddler	08/24/2006	http://mywebpages.c omcast.net/bcabana 2/prudentpeddler/cig ars/basics.htm, accessed 8/24/06.	Tobacco		No	EPA-HQ-OW-2004-0032-2177
14.2	03519	Publication Copyrighted Material	Manufacturing process of the cigar - DCN 0351	9 The tobacco that is rolled into cigars is primarily grown in the tropical regions of th world. Africa, Brazil, the Canary Islands, Connecticut, Cuba, the Dominican Repub Ecuador, Nicaragua, and Sumatra are wo renown in growing the quality tobacco that used in the various components of a cigar	lic, rld t is		08/24/2006	http://www.cigarhand book.com/Manufactu ring.asp, accessed 8/24/06.	Tobacco		No	EPA-HQ-OW-2004-0032-2093
14.2	03520	Other	Smokeless Tobacco Fact Sheets - DCN 03520	3rd International Conference on Smokeles Tobacco Advancing Science & Protecting Public Health		National Cancer Institute & CDC	09/25/2002	cancercontrol.cancer .gov/tcrb/stfact_sheet _combined10-23- 02.pdf	Tobacco		No	EPA-HQ-OW-2004-0032-2094
14.2	03521	Publication Copyrighted Material	The Production Of Flake Tobacco - DCN 03521	The present-day production of flake tobac by Mac Baren does not differ significantly from the method used when flake tobacco came into being. The means may have become more advanced, but the principle have not changed - they remain just as the were 200 years ago.	) S	Mac Baren	08/24/2006	http://www.mac- baren.com/TopMenu /Expert- Knowledge/Flake- Tobacco, accessed 8/24/06.	Tobacco	V	No	EPA-HQ-OW-2004-0032-2178
14.2	03522	Publication Copyrighted Material	Cigar School Lesson 13: Pipe Tobacco "101" - DCN 03522	Varieties of pipe tobacco; Blending tobaccos; Tobacco cuts	3	JRCigars.co m	08/24/2006		Tobacco		No	EPA-HQ-OW-2004-0032-2179

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14.2	03531	Meeting or Teleconference Materials	Notes of Telephone call between Richard Vazquez, RJ Reynolds Tobacco and Sara Holman, ERG - DCN 03531	Wastewater discharges from tobacco processing/manufacturing - NPDES ID No PR0001091. Operations and wastewater discharges at RJ Reynolds Yabucoa, PR facility	1	Holman, Sara, ERG	08/29/2006		Tobacco		No	EPA-HQ-OW-2004-0032-2100
14.2	03602	Letter, Memorandum, Email	Email to Victoria Lovelace, Lorillard Tobacco Company - DCN 03602	Email contacting the Lorillard Company to obtain wastewater characterization	9 1	Smith, Mary T., USEPA	02/17/2005		Tobacco		No	EPA-HQ-OW-2004-0032-2101
14.2	03602A1	Letter, Memorandum, Email	Wastewater Characterization Questions for Lorillard - DCN 03602A1	These are the questions that EPA sent to Lorillard asking for information regarding t wastewater discharges from the company facilities	he	Smith, Mary T., USEPA	02/17/2005		Tobacco		No	EPA-HQ-OW-2004-0032-2101.1
14.2	03603	Letter, Memorandum, Email	Email to Victoria Lovelace, Lorillard - DCN 03603	Request for information about air pollution control scrubbers.	ı 1	Matuszko, Jan, USEPA	08/02/2005		Tobacco		No	EPA-HQ-OW-2004-0032-2102
14.2	03604	Letter, Memorandum, Email	Letter to Jan Matuszko, US EPA - DCN 03604	Information about air pollution control scrubbers from Lorillard.	1	Lovelace, Victoria, Lorillard	09/29/2005		Tobacco		No	EPA-HQ-OW-2004-0032-2103
14.2	03605	Letter, Memorandum, Email	Letter to David Ballard, GF Vaughan - DCN 03605	Request for wastewater information	2	Matuszko, Jan, USEPA	10/25/2005		Tobacco		No	EPA-HQ-OW-2004-0032-2104

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14.2	03606	Letter, Memorandum, Email	Email to Jan Matuszko, USEPA - DCN 03606	GF Vaughn Tobacco Co. Inc. Response to EPA Information request. Source, volume and destination of wastewater discharges.	e;	Ballard, David, GF Vaughan Tobacco Co. Inc	11/02/2005		Tobacco		No	EPA-HQ-OW-2004-0032-2105
14.2	03609	Publication Other Government	Department of the Treasury Alcohol and Tobacco Tax and Trade Bureau (TTB), Excise Tax Return Form - DCN 03609		2	DOT, TTB	01/31/2006		Tobacco		No	EPA-HQ-OW-2004-0032-2106
14.2	03610	Publication Other Government	Department of the Treasury Alcohol and Tobacco Tax and Trade bureau (TTB), Environmental Information Form - DCN 03610		2	DOT, TTB	06/30/2005		Tobacco		No	EPA-HQ-OW-2004-0032-2107
14.2	03611	Publication Other Government	Department of the Treasury Bureau of Alcohol, Tobacco and Firearms, Supplemental Information of Water Quality Considerations - DCN 03611		2	DOT	03/31/1999		Tobacco		No	EPA-HQ-OW-2004-0032-2108
14.2	03612	Letter, Memorandum, Email	Email to Charles T. Bridges, Philip, Morris - DCN 03612	Confirmation of Philip Morris Assertion of business confidentiality.	1	Matuszko, Jan, USEPA	07/18/2005		Tobacco		No	EPA-HQ-OW-2004-0032-2109
14.2	03613	Letter, Memorandum, Email	Letter to Jan Matuszko, USEPA - DCN 03613	US EPA Effluent Limitation Guideline Sampling Events. Philip Morris, USA, Business confidentiality claim	1	Bridges, Charles T., Philip Morris, USA	07/13/2005		Tobacco		No	EPA-HQ-OW-2004-0032-2110

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14.2	03614	Letter, Memorandum, Email	Email to Jan Matuszko, USEPA - DCN 03614	RJ Reynolds claim that number of production days per year is confidential business information.	2	Curl, Steve C. R.J. Reynolds Tobacco	02/22/2006		Tobacco		No	EPA-HQ-OW-2004-0032-2111
14.2	03615	Letter, Memorandum, Email	Email to Jan Matuszko, USEPA - DCN 03615	Status of discharge permit for Swisher's Jacksonville, FL plant and pollutant monitoring requirements.	1	Schwartz, Ron, Swisher International, Inc.	04/06/2006		Tobacco		No	EPA-HQ-OW-2004-0032-2112
14.2	03616	Letter, Memorandum, Email	Email to C. J. Linderman, Virginia DEQ - DCN 03616	Request for Information for Tobacco Products Permitted Facilities in VA	2	Matuzsko, Jan, USEPA	02/21/2006		Tobacco		No	EPA-HQ-OW-2004-0032-2113
14.2	03617	Letter, Memorandum, Email	Email to C. J. Linderman, Virginia DEQ - DCN 03617	Request for Information for Tobacco Products Permitted Facilities in Richmond VA area second request.	1	Matuszko, Jan, USEPA	02/28/2006		Tobacco		No	EPA-HQ-OW-2004-0032-2114
14.2	03646	Letter, Memorandum, Email	Email to Jan Matuszko, USEPA - DCN 03646	Sanitized version of e-mail. Note the closure of the R.J. Reynolds Hanmer facil	1 ity.	Shore, Myron, R.J. Reynolds	02/22/2006		Tobacco		No	EPA-HQ-OW-2004-0032-2128
14.2	03660	Letter, Memorandum, Email	Letter to Jan Matuszko, US EPA - DCN 03660	Letter that accompanied the delivery of th Alcohol and Tobacco Tax and Trade Bure information. The data that were provided a "taxpayer confidential."	au	Foote, Francis W.	04/24/2006		Tobacco		No	EPA-HQ-OW-2004-0032-2134

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14.2	03663	Letter, Memorandum, Email	Letter to Ron Schwartz, Swisher International, Inc DCN 03663	Letter requesting information about the wastewater discharges from the swisher cigar manufacturing operations in Jacksonville, FL	2	Matuszko, Jan, US EPA	02/21/2005		Tobacco		No	EPA-HQ-OW-2004-0032-2137
14.2	03664	Letter, Memorandum, Email	Letter to John McGoff, Altadis USA - DCN 03664	Letter requesting information about the wastewater discharges from the Altadis facility in McAdoo, PA	2	Matuszko, Jan, US EPA	02/21/2005		Tobacco		No	EPA-HQ-OW-2004-0032-2138
14.2	03665	Letter, Memorandum, Email	Letter to Tobacco Technology Inc DCN 03665	<ul> <li>Letter requesting information about the wastewater discharges from the Tobacco Technology facility in Finksburg, MD.</li> </ul>	2	Matuszko, Jan, US EPA	02/21/2005		Tobacco		No	EPA-HQ-OW-2004-0032-2139
14.2	03666	Letter, Memorandum, Email	Letter to Environmental Director, Tobacco Technology Inc DCN 03666	(Second Request) Letter requesting information about the wastewater discharges from the Tobacco Technology facility in Finksburg, MD.	2	Matuszko, Jan, US EPA	10/25/2005		Tobacco		No	EPA-HQ-OW-2004-0032-2140
14.3	01912	Meeting or Teleconference Materials	Pre-Sampling Telephone Interview R.J. Reynolds, Tobaccoville, NC - DCN 01912		3	Porter, Kim, ERG	07/11/2005		Tobacco		No	EPA-HQ-OW-2004-0032-0445
14.3	01913	Support Background	Pre-Sampling Interview Questions R.J. Reynolds, Hanmer Div DCN 01913		8	Murphy, Bill, RJ Reynolds, Hanmer Div.	06/21/2005		Tobacco		No	EPA-HQ-OW-2004-0032-0446

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14.3	01914	Meeting or Teleconference Materials	Pre-Sampling Telephone Interview, Philip Morris, Commerce Rd - DCN 01914		3	Porter, Kim, ERG	06/29/2005		Tobacco		No	EPA-HQ-OW-2004-0032-0448
14.3	01915	Meeting or Teleconference Materials	Pre-Sampling Telephone Interview R.J. Reynolds, Whitaker Park - DCN 01915		3	Porter, Kim, ERG	07/11/2005		Tobacco		No	EPA-HQ-OW-2004-0032-0450
14.3	01916	Meeting or Teleconference Materials	Philip Morris, Cabarrurs Pre-Sampling Telephone Interview - DCN 01916		3	Porter, Kim, ERG	07/11/2005		Tobacco		No	EPA-HQ-OW-2004-0032-0451
14.3	01917	Meeting or Teleconference Materials	Pre-Sampling Telephone Interview, Philip Morris Park 500 - DCN 01917		3	Porter, Kim, ERG	07/25/2005		Tobacco		No	EPA-HQ-OW-2004-0032-0453
14.3	02376	Other	R.J. Reynolds Pictures from EPA Site Visits to Hanmer, Chester, VA; Tobaccoville, NC and Whitaker Park, NC. July 2005 - DCN 02376	CBI CD of digital pictures taken during three EPA visits to R.J. Reynolds tobacco procucts manufacturing facilities, July, 2005		Curl, Steve	07/21/2005		Tobacco		Yes	EPA-HQ-OW-2004-0032-2037
14.3	02391	Meeting or Teleconference Materials	Jan Matuszko's Commerce Road Site Visit Notes - DCN 02391	CBI notes taken by Jan Matuszko, EPA/EAD during July 13-14, 2005 visit to Philip Morris, Commerce Road facility.	17	Jan Matuszko, EPA	07/14/2005		Tobacco		Yes	EPA-HQ-OW-2004-0032-2038

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14.3	02392	Meeting or Teleconference Materials	Jan Matuszko's Hanmer Site Visit Notes - DCN 02392	CBI notes taken by Jan Matuszko EPA/EAI during July 14,2005 visit to RJ Reynolds Hanmer Plant, Chester, VA.	D 17	Jan Matuszko, EPA	07/13/2005		Tobacco		Yes	EPA-HQ-OW-2004-0032-2039
14.3	02395	Meeting or Teleconference Materials	Jan Matuszko Park 500 Site Visit Notes - DCN 02395	CBI Notes taken by Jan Matuszko, EPA/EAD during July 27, 2005 visit to Philip Morris Park 500 facility.	18	Matuszko, Jan EPA	07/27/2005		Tobacco		Yes	EPA-HQ-OW-2004-0032-2042
14.3	02449	Data	Tobacco Sampling Data - DCN 02449	Draft Listing of Measured Concentrations from Samples Collected on EPA's Site Visit to Tobacco Facilities	0 is	Matuszko, Jan EPA	12/12/2005		Tobacco		Yes	EPA-HQ-OW-2004-0032-2043
14.3	02457	Data	Tobacco Sampling Data Analysis - DCN 02457		0	Finseth, TJ, ERG	02/10/2006		Tobacco		Yes	EPA-HQ-OW-2004-0032-2044
14.3	02626	Letter, Memorandum, Email	Tobacco Products Sampling Data, March 21, 2006 - DCN 02626, Section 14.3	Brief description of the site visits and wastewater sampling that the EPA conducted at four cigarette manufacturing facilities and two dedicated reconstituted tobacco facilities during the summer of 2005. The attached data tables list the pollutant concentrations measured in the wastewater grab samples: Table 1 lists the results for the two direct discharging facilities, Table 2 lists the results for the fou facilities that discharge to POTWs, and Table 3 lists the results for the trip blanks.		Matuszko, Jan EPA	03/21/2006		Tobacco		No	EPA-HQ-OW-2004-0032-1106

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14.3	03073	Meeting or Site Teleconference Fac Materials	e Visit Notes - R. J. Reynolds Tobaccoville cility - DCN 03073	CBI Notes taken by Kim Porter, ERG durin July 20, 2005 visit to R. J. Reynolds Tobaccoville Facility, Tobaccoville, NC.	ng 7	Porter, Kim	07/20/2005		Tobacco		Yes	EPA-HQ-OW-2004-0032-2049
14.3	03074	Meeting or Site Teleconference Fac Materials	e Visit Notes - R. J. Reynolds Whitaker Park sility - DCN 03074	CBI Notes taken by Kim Porter, ERG durir July 21, 2005 visit to R. J. Reynolds Whitaker Park, Winston-Salem, NC.	ng 10	Porter, Kim	07/20/2005		Tobacco		Yes	EPA-HQ-OW-2004-0032-2050
14.3	03075	Meeting or Site Teleconference Fac Materials	9 Visit Notes - Philip Morris Cabarrus Sility - DCN 03075	CBI Notes taken by Kim Porter, ERG durir July 19, 2005 visit to Philip Morris, Cabarri facility, Concord, NC.		Porter, Kim	07/19/2005		Tobacco		Yes	EPA-HQ-OW-2004-0032-2051
14.3	03076	Meeting or Site Teleconference Par Materials	9 Visit Notes - R. J. Reynolds, Whitaker k - DCN 03076	CBI Notes taken by Betsy Bicknell, ERG during July 20, 2005 visit to R.J. Reynolds Whitaker Park facility.	7	Bicknell, Betsy, ERG	07/20/2005		Tobacco		Yes	EPA-HQ-OW-2004-0032-2052
14.3	03077	Meeting or Site Teleconference NC Materials		CBI Notes taken by Betsy Bicknell, ERG during July 19, 2005 visit to R.J. Reynolds Tobaccoville, NC facility.	7	Bicknell, Betsy, ERG	07/19/2005		Tobacco		Yes	EPA-HQ-OW-2004-0032-2053
14.3	03078	Meeting or Site Teleconference Fac Materials	e Visit Notes - Philip Morris Commerce Road sility - DCN 03078	CBI Notes taken by Kim Porter, ERG durir July 14, 2005 visit to Philip Morris, Commerce Road facility, Richmond, VA.	ng 6	Porter, Kim	07/14/2005		Tobacco		Yes	EPA-HQ-OW-2004-0032-2054

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14.3	03399	Meeting or Teleconference Materials	Site Visit Notes - R.J. Reynolds Hanmer Facility - DCN 03399	CBI Notes taken by Kim Porter, ERG durir July 13, 2005 visit to R.J. Reynolds, Hanm Facility, Chester, VA	ng 7 ner	Porter, Kim, ERG	07/13/2005		Tobacco		Yes	EPA-HQ-OW-2004-0032-2055
14.3	03426	Meeting or Teleconference Materials	Site Visit Notes - Philip Morris Park 500 - DCN 03426	CBI Notes taken by Jess Wolford, ERG during July 27, 2005 visit to Philip Morris, Park 500, Chester, VA.	2	Wolford, Jessica	07/27/2005		Tobacco		Yes	EPA-HQ-OW-2004-0032-2056
14.3	03427	Meeting or Teleconference Materials	Site Visit Notes - R.J. Reynolds Hanmer Facility - DCN 03427	CBI Notes taken by TJ Finseth, ERG durir July 13, 2005 visit to R.J. Reynolds, Hanm Facility, Chester, VA		Finseth, TJ	07/13/2005		Tobacco		Yes	EPA-HQ-OW-2004-0032-2057
14.3	03428	Meeting or Teleconference Materials	Site Visit Notes - R.J. Reynolds Hanmer Facility - DCN 03428	CBI Notes taken by Meghan Kandle, ERG during July 13, 2005 visit to R.J. Reynolds Hanmer Facility, Chester, VA		Kandle, Meghan	07/13/2005		Tobacco		Yes	EPA-HQ-OW-2004-0032-2058
14.3	03429	Meeting or Teleconference Materials	Site Visit Notes - Philip Morris Commerce Road Complex - DCN 03429	CBI Notes taken by TJ Finseth, ERG durir July 14, 2005 visit to Philip Morris, Commerce Road Complex, Richmond, VA	•	Finseth, TJ	07/14/2005		Tobacco		Yes	EPA-HQ-OW-2004-0032-2059
14.3	03430	Meeting or Teleconference Materials	Site Visit Notes - Philip Morris Commerce Road Complex - DCN 03430	CBI Notes taken by Meghan Kandle, ERG during July 14, 2005 visit to Philip Morris, Commerce Road Complex, Richmond, VA		Kandle, Meghan	07/14/2005		Tobacco		Yes	EPA-HQ-OW-2004-0032-2060

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14.3	03431	Meeting or Site Teleconference Fac Materials	e Visit Notes - Philip Morris Cabarrus cility - DCN 03431	CBI Notes taken by Betsy Bicknell, ERG during July 19, 2005 visit to Philip Morris, Cabarrus Facility, Concord, NC.	6	Bicknell, Betsy	07/19/2005		Tobacco		Yes	EPA-HQ-OW-2004-0032-2061
14.3	03432	Meeting or Site Teleconference Fac Materials	e Visit Notes - Philip Morris Cabarrus sility - DCN 03432	CBI Notes taken by TJ Finseth, ERG durir July 19, 2005 visit to Philip Morris, Cabarr Facility, Concord, NC.		Finseth, TJ	07/19/2005		Tobacco		Yes	EPA-HQ-OW-2004-0032-2062
14.3	03433	Meeting or Site Teleconference 034 Materials	e Visit Notes - Philip Morris Park 500 - DCN I33	CBI Notes taken by TJ Finseth, ERG durir July 27, 2005 visit to Philip Morris, Park 50 Chester, VA	ng 5 00,	Finseth, TJ	07/27/2005		Tobacco		Yes	EPA-HQ-OW-2004-0032-2063
14.3	03434	Meeting or Site Teleconference Fac Materials	9 Visit Notes - R.J. Reynolds Tobaccoville Sility - DCN 03434	CBI Notes taken by TJ Finseth, ERG durir July 20, 2005 visit to R.J. Reynolds, Tobaccoville Facility, Tobaccoville, NC	ng 5	Finseth, TJ	07/20/2005		Tobacco		Yes	EPA-HQ-OW-2004-0032-2174
14.3	03435	Meeting or Site Teleconference Fac Materials	e Visit Notes - R.J. Reynolds Whitaker Park illity - DCN 03435	CBI Notes taken by TJ Finseth, ERG durir July 21, 2005 visit to R.J. Reynolds, Whitaker Park Facility, Winston-Salem, NG	•	Finseth, TJ	07/21/2005		Tobacco		Yes	EPA-HQ-OW-2004-0032-2065
14.3	03436	Meeting or Site Teleconference 034 Materials	e Visit Notes - Philip Morris Park 500 - DCN I36	CBI Notes taken by Meghan Kandle, ERG during July 27, 2005 visit to Philip Morris, Park 500, Chester, VA.	3	Kandle, Meghan	07/27/2005		Tobacco		Yes	EPA-HQ-OW-2004-0032-2066

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14.3	03437	Other	Tobacco Sampling Traffic Reports - DCN 03437	Traffic Reports sent to the labs after samp collection for all tobacco sampling episode		Porter, Kim	07/27/2005		Tobacco		Yes	EPA-HQ-OW-2004-0032-2064
14.3	03438	Other	Tobacco Sampling Field Log Sheets - DCN 03438	Field Log sheets from the tobacco samplir program for all tobacco sampling episodes		Porter, Kim	07/27/2005		Tobacco		Yes	EPA-HQ-OW-2004-0032-2067
14.3	03439	Other	Tobacco Sampling Preservation Log Sheets - DCN 03439	Preservation Log sheets from the tobacco sampling program for all tobacco sampling episodes		Porter, Kim	07/27/2005		Tobacco		Yes	EPA-HQ-OW-2004-0032-2068
14.3	03440	Meeting or Teleconference Materials	Notes from Telephone Conversation between Steve Curl and Bill Murphy, R.J. Reynolds, and Betsy Bicknell and TJ Finseth, ERG - DCN 03440	Discussion of additional questions needed to finish the site visit report for the R.J. Reynolds Hanmer facility.	3 4	Bicknell, Betsy	10/11/2005		Tobacco		Yes	EPA-HQ-OW-2004-0032-2069
14.3	03441	Meeting or Teleconference Materials	Notes from Telephone Conversation between Charlie Bridges, Tony Nobinger, Dave Hichak, and Garland Bagan, Philip Morris, and Betsy Bicknell and TJ Finseth, ERG - DCN 03441	Discussion of additional questions needed to finish the site visit report for the Philip Morris Park 500 facility.	9 6	Bicknell, Betsy	12/02/2005		Tobacco		Yes	EPA-HQ-OW-2004-0032-2070
14.3	03503	Other	Sampling and Analysis Plan Phillip Morris USA, Commerce Road Complex - DCN 03503 July 14, 2005	Details sampling objectives, procedures, and list of analytes	53	ERG	07/14/2005		Tobacco		Yes	EPA-HQ-OW-2004-0032-2081

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14.3	03504	Other	Sampling and Analysis Plan RJ Reynolds Tobacco Company, Hanmer Division - DCN 03504 Sampling Episode 6510	Details sampling objectives, procedures, and list of analytes	55	ERG	07/13/2005		Tobacco		Yes	EPA-HQ-OW-2004-0032-2082
14.3	03523	Letter, Memorandum, Email	Memoranda to Jan Matuszko, U.S. EPA on Data Review Narratives for the Tobacco Industry - DCN 03523	CBI data review narratives describing the analyses performed for the tobacco sampling episodes. This document contai all of the data review narratives for the sampling program.		Sample Control Center	10/24/2005		Tobacco		Yes	EPA-HQ-OW-2004-0032-2096
14.3	03525	Other	Jan Matuszko questions about tobacco sampling program analytical results - 2/16/06 - DCN 03525	Baseline value questions. There seems to be a disconnect somewhere in the baselin value for formaldehyde.			02/22/2006		Tobacco		No	EPA-HQ-OW-2004-0032-2095
14.3	03527	Other	Summary of Influent Concentrations for POTWs 1 through 40 from: "Fate of Priority Pollutants in Publicly Owned Treatment Works", Final Report, Vol. 1, EPA 1982 - DCN 03527		1	US EPA			Tobacco		No	EPA-HQ-OW-2004-0032-2097
14.3	03529	Letter, Memorandum, Email	Letter to Jan Matuszko, USEPA - DCN 03529	Additional Data Follow-up to the Site Visit Reports from Philip Morris USA	1	Bridges, Charles T.	02/21/2006		Tobacco		No	EPA-HQ-OW-2004-0032-2098
14.3	03529A1	Report	Draft Engineering Site Visit Report for Philip Morris, Cabarrus Operations - DCN 03529A1	Draft report containing Philip Morris comments and edits.	1	Philip Morris	02/06/2006		Tobacco		Yes	EPA-HQ-OW-2004-0032-2098.1

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14.3	03529A2	Report	Draft Engineering Site Visit Report for Philip Morris' Commerce Road Complex - DCN 03529A2	Draft report containing Philip Morris comments and edits.	1	Philip Morris	02/06/2006		Tobacco		Yes	EPA-HQ-OW-2004-0032-2098.2
14.3	03529A3	Data	Tobacco Product Facility Source Water Concentration Data - DCN 03529A3	Draft report containing Philip Morris comments and edits. Source water concentration data from a tobacco product manufacturing facility.	5 ts		01/01/2006		Tobacco		Yes	EPA-HQ-OW-2004-0032-2098.3
14.3	03530	Letter, Memorandum, Email	Memorandum to the Record: Biodegradability of propyleneglycol in POTWs - DCN 03530	Biodegradability of propyleneglycol in POTWs.	2	Matuzsko, Jan, USEPA	06/29/2006		Tobacco		No	EPA-HQ-OW-2004-0032-2099
14.3	03618	Letter, Memorandum, Email	Email to Jan Matuszko, USEPA - DCN 03618	Transmittal of revised facility sampling reports, not claimed as CBI.	1	Bridges, Charles T., Philip Morris, USA	01/30/2006		Tobacco		No	EPA-HQ-OW-2004-0032-2115
14.3	03618A1	Report	Placeholder - Draft Engineering Site Visit Report for Philip Morris Commerce Road Complex - DCN 03618A1	Draft report containing Philip Morris comments and edits.	1	Philip Morris	01/30/2006		Tobacco		Yes	EPA-HQ-OW-2004-0032-2115.1
14.3	03618A2	Report	Draft Engineering Site Visit Report for Philip Morris' Cabarrus Operations - DCN 03618A2	Draft report containing Philip Morris comments and edits.	1	Philip Morris	01/30/2006		Tobacco		Yes	EPA-HQ-OW-2004-0032-2115.2

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14.3	03618A3	Report	Draft Engineering Site Visit Report for Philip Morris' Park 500 Facility - DCN 03618A3	Draft report containing Philip Morris comments and edits.	1	Philip Morris	01/30/2006				Yes	EPA-HQ-OW-2004-0032-2115.3
14.3	03619	Letter, Memorandum, Email	Letter to Jan Matuszko, USEPA - DCN 03619	RJ Reynolds Draft Site Visit Reports transmittal of sampling reports reviewed b R.J. Reynolds.	1 y	Shore, Myron, RJ Reynolds	01/30/2006		Tobacco		No	EPA-HQ-OW-2004-0032-2116
14.3	03619A1	Report	Draft Engineering Site Visit Report for RJ Reynolds' Hanmer Facility - DCN 03619A1	Draft report containing RJ Reynolds comments and edits.	1	RJ Reynolds	01/27/2006		Tobacco		Yes	EPA-HQ-OW-2004-0032-2116.1
14.3	03619A2	Report	Draft Engineering Site Visit Report for RJ Reynolds' Tobaccoville Facility - DCN 03619A2	Draft report containing RJ Reynolds comments and edits.	1	RJ Reynolds	01/27/2006		Tobacco		Yes	EPA-HQ-OW-2004-0032-2116.2
14.3	03619A3	Report	Draft Engineering Site Visit Report for RJ Reynolds' Whitaker Park Complex - DCN 03619A3	Draft report containing RJ Reynolds comments and edits.	1	RJ Reynolds	01/27/2006		Tobacco		Yes	EPA-HQ-OW-2004-0032-2116.3
14.3	03619A4	Other	Revised Process Flow Diagram for the RJ Reynolds Tobaccoville Facility - DCN 03619A4	This is the revised process flow diagram the RJ Reynolds provided with the site visit report.	hat 1	RJ Reynolds	01/27/2006		Tobacco		Yes	EPA-HQ-OW-2004-0032-2116.4

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14.3	03619A5	Other	Revised Process Flow Diagram for the RJ Reynolds Whitaker Park Facility - DCN 03619A	This is the revised process flow diagram th 5 RJ Reynolds provided with the site visit report.	nat 1	RJ Reynolds	01/27/2006		Tobacco		Yes	EPA-HQ-OW-2004-0032-2116.5
14.3	03619A6	Other	Revised Diet Process Flow Diagram for RJ Reynolds Tobaccoville Facility - DCN 03619A6	This is the revised process flow diagram for the Diet process that RJ Reynolds provide with the site visit report.	or 1 ed	RJ Reynolds	01/27/2006		Tobacco		Yes	EPA-HQ-OW-2004-0032-2116.6
14.3	03620	Report	CBI Final Engineering Site Visit Report for R.J. Reynolds Tobacco Company - Hanmer Division, Chester, VA - DCN 03620	This final site visit report for the R.J. Reynolds (Reynolds American) Hanmer facility contains confidential business information (CBI).	36	Holman, Sarah, ERG	09/22/2006		Tobacco		Yes	EPA-HQ-OW-2004-0032-2117
14.3	03621	Report	CBI Final Engineering Site Visit Report for R.J. Reynolds Tobacco Company - Tobaccoville Facility, Tobaccoville, NC - DCN 03621	This final site visit report for the R.J. Reynolds (Reynolds American) Tobaccovi facility contains confidential business information (CBI).	28 Ile	Holman, Sarah, ERG	09/22/2006		Tobacco		Yes	EPA-HQ-OW-2004-0032-2118
14.3	03622	Report	CBI Final Engineering Site Visit Report for R.J. Reynolds Tobacco Company - Whitaker Park Complex, Winston-Salem, NC - DCN 03622	This final site visit report for the R.J. Reynolds (Reynolds American) Whitaker Park facility contains confidential business information (CBI).	30	Holman, Sarah, ERG	09/22/2006		Tobacco		Yes	EPA-HQ-OW-2004-0032-2119
14.3	03623	Report	CBI Final Engineering Site Visit Report for Philip Morris' Cabarrus Operations Concord, NC - DCN 03623	This final site visit report for the Philip Mor Cabarrus facility contains confidential business information (CBI) and has been edited by ERG for accuracy.	ris 29	Holman, Sarah, ERG	09/22/2006		Tobacco		Yes	EPA-HQ-OW-2004-0032-2120

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14.3	03624	Report	CBI Final Engineering Site Visit Report for Philip Morris' Commerce Road Complex Richmond, VA - DCN 03624	This final site visit report for the Philip Morr Commerce Road facility contains confidential business information (CBI) and has been edited by ERG for accuracy.		Holman, Sarah, ERG	09/22/2006		Tobacco		Yes	EPA-HQ-OW-2004-0032-2121
14.3	03625	Report	CBI Final Engineering Site Visit Report for Philip Morris' Park 500 Facility Chester, VA - DCN 03625	This final site visit report for the Philip Morr Park 500 facility contains confidential business information (CBI) and has been edited by ERG for accuracy.	is 30	Holman, Sarah, ERG	09/22/2006		Tobacco		Yes	EPA-HQ-OW-2004-0032-2122
14.3	03626	Report	Non-CBI Final Engineering Site Visit Report for Philip Morris' Cabarrus Operations Concord, NC - DCN 03626	This final site visit report for the Cabarrus facility has been revised by Philip Morris ar edited by ERG and includes no confidentia business information (CBI).		Holman, Sarah, ERG	09/22/2006		Tobacco		No	EPA-HQ-OW-2004-0032-2123
14.3	03627	Report	Non-CBI Final Engineering Site Visit Report for Philip Morris' Commerce Road Complex Richmond, VA - DCN 03627	This final site visit report for the Commerce Road facility has been revised by Philip Morris and edited by ERG and includes no confidential business information (CBI).		Holman, Sarah, ERG	09/22/2006		Tobacco		No	EPA-HQ-OW-2004-0032-2124
14.3	03628	Report	Non-CBI Final Engineering Site Visit Report for Philip Morris' Park 500 Facility Chester, VA - DCN 03628	This final site visit report for the Park 500 facility has been revised by Philip Morris ar edited by ERG and includes no confidentia business information (CBI).		Holman, Sarah, ERG	09/22/2006		Tobacco		No	EPA-HQ-OW-2004-0032-2125
14.3	03644	Letter, Memorandum, Email	Letter to Ron Gahagan, Philip Morris - DCN 03644	Letter that was sent to Philip Morris that accompanied the site visit reports for the Philip Morris facilities. Each of the reports CBI	2 is	Matuszko, Jan, USEPA	12/13/2005		Tobacco		No	EPA-HQ-OW-2004-0032-2126

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14.3	03644A1	Other	Questions about the Philip Morris Facilities visited by the EPA - DCN 03644A1	Philip Morris facilities. Each of the reports i CBI These are questions about each of the Philip Morris facilities that EPA visited, that EPA needed the facilities to answer to complete the site visit reports.		Matuszko, Jan, USEPA	12/13/2005		Tobacco		Yes	EPA-HQ-OW-2004-0032-2126.1
14.3	03644A2	Report	Draft Engineering Site Visit Report for Philip Morris' Commerce Road Complex Richmond, VA - DCN 03644A2	CBI Report of EPA site visit and sample collection at Philip Morris' Commerce Road Complex Richmond, VA. July 14, 2005. Review draft sent to Philip Morris	14 d	Finseth, TJ, ERG	09/16/2005		Tobacco		Yes	EPA-HQ-OW-2004-0032-2126.2
14.3	03644A3	Report	Draft Engineering Site Visit Report for Philip Morris' Cabarrus Operations Concord, NC - DCN 03644A3	CBI Report of EPA site visit and sample collection at Philip Morris' Cabarrus Operations Concord, NC. July 19, 2005. Review draft sent to Philip Morris	24	Finseth, TJ, ERG	09/29/2005		Tobacco		Yes	EPA-HQ-OW-2004-0032-2126.3
14.3	03644A4	Report	Draft Engineering Site Visit Report for Philip Morris' Park 500 Facility Chester, VA - DCN 03644A4	CBI Report of EPA site visit and sample collection at Philip Morris' Park 500 Facility Chester, VA. July 27, 2005. Review draft sent to Philip Morris.	1	Finseth, TJ	10/20/2005		Tobacco		Yes	EPA-HQ-OW-2004-0032-2126.4
14.3	03645	Letter, Memorandum, Email	Letter to Steve Curl, R.J. Reynolds - DCN 0364	5 Letter that was sent to Philip Morris that accompanied the site visit reports for the Philip Morris facilities. Each of the reports is CBI.	2	Matuszko, Jan, USEPA	12/13/2005		Tobacco		No	EPA-HQ-OW-2004-0032-2127
14.3	03645A1	Other	Questions about the RJ Reynolds Facilities visited by the EPA - DCN 03645A1	These are questions about each of the RJ Reynolds facilities that EPA visited, that EPA needed the facilities to answer to complete the site visit reports.	3	Matuszko, Jan, USEPA	12/13/2005		Tobacco		Yes	EPA-HQ-OW-2004-0032-2127.1

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14.3	03645A2	Report	Draft Engineering Site Visit Report for R.J. Reynolds Tobacco Company's Hanmer Division - Chester, VA - DCN 03645A2	CBI Report of EPA site visit and sample collection at R.J. Reynolds Hanmer Divisio Chester, VA. July 13-14, 2005. Review dra sent to R.J.Reynolds		Finseth, TJ	08/30/2005		Tobacco		Yes	EPA-HQ-OW-2004-0032-2127.2
14.3	03645A3	Report	Draft Engineering Site Visit Report for R.J. Reynolds Tobacco Company - Tobaccoville Facility Tobaccoville, NC - DCN 03645A3	CBI Report of EPA site visit and sample collection at R.J. Reynolds Tobaccoville Facility Tobaccoville, NC July 20, 2005. Review draft sent to R.J.Reynolds	22	Finseth, TJ, ERG	09/30/2005		Tobacco		Yes	EPA-HQ-OW-2004-0032-2127.3
14.3	03645A4	Report	Draft Engineering Site Visit Report for R.J. Reynolds Tobacco Company - Whitaker Park Complex Winston-Salem, NC - DCN 03645A4	CBI Report of EPA site visit and sample collection at R.J. Reynolds Whitaker Park Complex Winston-Salem, NC July 21, 2005. Review draft sent to R.J.Reynolds	25	Finseth, TJ	10/05/2005		Tobacco		Yes	EPA-HQ-OW-2004-0032-2127.4
14.3	03647	Data	Tobacco Products Facility Source Water Concentration Data - Not CBI - DCN 03647	Not CBI - Source water concentration data from a tobacco products manufacturing facility	5		01/01/2006		Tobacco		No	EPA-HQ-OW-2004-0032-2129
14.3	03648	Letter, Memorandum, Email	Letter to Betsy Bicknell, ERG - DCN 03648	E-mail cover letter with the attached non- CBI version of the Philip Morris site visit reports that contain the company's edits.	1	Bridges, Charles T., Philip Morris	06/26/2006		Tobacco		No	EPA-HQ-OW-2004-0032-2130
14.3	03649	Report	Draft Engineering Site Visit Report for Philip Morris, Cabarrus Operations - DCN 03649	Non-CBI draft report containing Philip Morn comments and edits. This version is CBI because, CBI can be deduced from the report, but it does not contain any CBI.	is 27	Philip Morris	06/26/2006		Tobacco		Yes	EPA-HQ-OW-2004-0032-2131

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14.3	03650	Report	Draft Engineering Site Visit Report for Philip Morris' Commerce Road Complex - DCN 03650	Non-CBI draft report containing Philip Mor comments and edits. This version is CBI because, CBI can be deduced from the report, but it does not contain any CBI.	ris 28	Philip Morris	06/26/2006		Tobacco		Yes	EPA-HQ-OW-2004-0032-2132
14.3	03651	Report	Draft Engineering Site Visit Report for Philip Morris' Park 500 Facility - DCN 03651	Non-CBI draft report containing Philip Mor comments and edits. This version is CBI because, CBI can be deduced from the report, but it does not contain any CBI.	ris 29	Philip Morris	06/26/2006		Tobacco		Yes	EPA-HQ-OW-2004-0032-2133
14.3	03661	Letter, Memorandum, Email	Letter to Ron Gahagan, Philip Morris - DCN 03661	Transmittal of the sampling data to Philip Morris. The sampling data is DCN 02449 (only the data that pertains to the Philip Morris facilities was sent to Philip Morris).	1	Jan Matuszko, US EPA	12/13/2005		Tobacco		No	EPA-HQ-OW-2004-0032-2135
14.3	03662	Letter, Memorandum, Email	Letter to Steve Curl, RJ Reynolds - DCN 03662	Transmittal of the sampling data to RJ Reynolds. The sampling data is DCN 024 (only the data that pertains to the RJ Reynolds facilities was sent to RJ Reynold		Jan Matuszko, US EPA	12/13/2005		Tobacco		No	EPA-HQ-OW-2004-0032-2136
14.3	03695	Letter, Memorandum, Email	Memoranda to Jan Matuszko, U.S. EPA on Data Review Narratives for the Tobacco Industry - DCN 03695	Non-CBI data review narratives describing the analyses performed for the tobacco sampling episodes. This document contai all of the data review narratives for the sampling program.		Sample Control Center	10/24/2005		Tobacco		No	EPA-HQ-OW-2004-0032-2141
14.4	02986	Letter, Memorandum, Email	Memorandum to Jan Matuszko, EPA/EAD - DCN 02986	Cost of BNR Wastewater Treatment	2	Holman, Sarah, ERG	06/28/2006		Tobacco		Yes	EPA-HQ-OW-2004-0032-2046

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14.4	02989	Analysis	Cost of BNR Wastewater Treatment - DCN 02989	Calculations for cost of biological wastewater treatment with nutrient remova (BNR) for tobacco detailed study	2 al	Holman, Sarah	06/27/2006 ERG	Tobacco		Yes	EPA-HQ-OW-2004-0032-2047
14.5	02178	Letter, Memorandum, Email	Tobacco Products Processing- DCN 02178		7	Matuszko, Jan EPA	07/26/2005	Tobacco		No	EPA-HQ-OW-2004-0032-0456
14.5	03395	Publication Other Government	Final Engineering Report: Tobacco Products Processing Detailed Study - DCN 03395		86	US EPA	11/01/2006	Tobacco		No	EPA-HQ-OW-2004-0032-2513
14.6	02948	Letter, Memorandum, Email	Memorandum to Public Record: Economic Profile of Domestic Tobacco Manufacturing Industry: 2006 Update - DCN 02948	Economic Profile of Domestic Tobacco Manufacturing Industry: 2006 Update	34	James Covington III, EPA	04/19/2006	Tobacco		No	EPA-HQ-OW-2004-0032-1507
14.6	02949	Data	Memorandum to Public Record: List of Tobacco Manufacturing Facilities: 2006 update - DCN - 02949	List of Tobacco Manufacturing Facilities: 2006 update	0	James Covington III, EPA	04/19/2006	Tobacco		No	EPA-HQ-OW-2004-0032-1508
14.6	02950	Data	Alliance One International. 10-K Form for fiscal year ending March 31, 2005 - DCN 02950		87	Alliance One International	06/01/2005 Alliance One International. 10-K Form for fiscal year ending March 31, 2005 <http: <br="" www.sec.gov="">edgar&gt;</http:>	Tobacco		No	EPA-HQ-OW-2004-0032-1509

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14.6	02951	Data	Alliance One International. 10-Q Form for quarterly period ending December 31, 2005 - DCN 02951		48	Alliance One International	03/01/2006	Alliance One International. 10-Q Form for quarterly period ending December 31, 2005. <http: <="" td="" www.sec.gov=""><td>Tobacco</td><td></td><td>No</td><td>EPA-HQ-OW-2004-0032-1510</td></http:>	Tobacco		No	EPA-HQ-OW-2004-0032-1510
14.6	02952	Publication Copyrighted Material	Alliance One International. Company website. Worldwide operations - DCN 02952		13	Alliance One International	03/23/2006	Alliance One International. Company website. Worldwide operations <http: aoinel.com="" au<br="">/worldwidelocations.</http:>	Tobacco		No	EPA-HQ-OW-2004-0032-1761
14.6	02953	Data	Altadis Group. Annual Report 2004 - DCN 02953		236	Altadis Group	03/01/2005	Altadis Group. Annual Report 2004 <http: www.altadis.c<br="">om/en/shareholders/ pdf/meeting2005/info anual2004.pdf&gt;</http:>	Tobacco		No	EPA-HQ-OW-2004-0032-1781
14.6	02954	Data	2003 County Business Patterns by NAICS - DCN 02954		4	U.S. Census Bureau	03/22/2004	U.S. Census Bureau. 2003 County Business Patterns by NAICS. CenStats database at <http: censtats.cens<="" td=""><td>Tobacco</td><td></td><td>No</td><td>EPA-HQ-OW-2004-0032-1511</td></http:>	Tobacco		No	EPA-HQ-OW-2004-0032-1511
14.6	02955	Data	Annual Survey of Manufactures. Statistics for Industry Groups and Industries: 2004 - DCN 02955		293	U.S. Census Bureau	12/01/2005	U.S. Census Bureau. Annual Survey of Manufactures. Statistics for Industry Groups and Industries: 2004.	Tobacco		No	EPA-HQ-OW-2004-0032-1512
14.6	02956	Data	2002 County Business Patterns by NAICS - DCN 02956	NAICS codes 312210, 312221, and 31222	29 7	U.S. Census Bureau	12/03/2004	U.S. Census Bureau. 2002 County Business Patterns by NAICS. CenStats database at <http: censtats.cens<="" td=""><td>Tobacco</td><td></td><td>No</td><td>EPA-HQ-OW-2004-0032-1513</td></http:>	Tobacco		No	EPA-HQ-OW-2004-0032-1513

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14.6	02957	Publication Copyrighted Material	UST, Inc. Still Chewing on the Story—Stayed Tuned - DCN 02957		56	Credit Suisse First Boston	08/27/1999	Credit Suisse First Boston. 1999.	Tobacco		No	EPA-HQ-OW-2004-0032-1607
14.6	02958	Publication Copyrighted Material	Million Dollar Directory. Series: America's Leading Public and Private Companies - DCN 02958	SIC 2141 tobacco stemming and redrying companies	1	Dunn and Bradstreet	01/01/2006	Dun & Bradstreet. Million Dollar Directory. Series: America's Leading Public and Private Companies. NY, NY 2006.	Tobacco		No	EPA-HQ-OW-2004-0032-1608
14.6	02959	Publication Copyrighted Material	Companies in SIC 2141 - DCN 02959	Company Reach. Database searched on SIC 2141	3	Harris InfoSource	03/23/2006	Harris InfoSource. 2006. Company Reach Database <http: www.compan<br="">yreach.com/Compan ylnsight/Home.aspx&gt;</http:>	Tobacco		No	EPA-HQ-OW-2004-0032-1609
14.6	02960	Data	Security and Exchange Commission Edgar Database of Corporate Filings - DCN 02960		1	Security and Exchange Commission	07/12/2005	Security and Exchange Commission Edgar Database of Corporate Filings. <http: <br="" www.sec.gov="">edgar.shtml&gt;</http:>	Tobacco		No	EPA-HQ-OW-2004-0032-1515
14.6	02962	Data	Swedish Match. 2006. Form 20-F for fiscal year ending December 21, 2004 - DCN 02962		222	Swedish Match	06/03/2005	www.sec.gov/edgar	Tobacco		No	EPA-HQ-OW-2004-0032-1516
14.6	02963	Publication Copyrighted Material	Farmers to make smokes - DCN 02963		3	Thompson, Estes	07/02/2004	The Kentucky Courier-Journal. July 2, 2004. <http: www.courier-<br="">journal.com/business /news2004/07/02/F3- coopcigs02-</http:>	Tobacco		No	EPA-HQ-OW-2004-0032-1610

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14.6	02964	Publication Copyrighted Material	Tobacco-dealer merger to cost fewer jobs in Wilson - DCN 02964		1	TimesDispatc h.com	08/15/2005	TimesDispatch. <http: timesdispatch.<br="">com&gt;</http:>	Tobacco		No	EPA-HQ-OW-2004-0032-1618
14.6	02965	Publication Copyrighted Material	Cigarettes, U.S. Output, Removals, and Consumption, 1950-2005 - DCN 02965		1	USDA Economic Research Service (ERS).	01/01/2006	USDA Economic Research Service (ERS). 2006. Table 1—Cigarettes, U.S. Output, Removals, and Consumption, 1950-2005.	Tobacco		No	EPA-HQ-OW-2004-0032-1619
14.6	02968	Meeting or Teleconference Materials	Universal Leaf North America U.S. to Close Danville Processing Center - DCN 02968	News Release	1	Universal Corporation	12/13/2005	Universal Corporation. Universal Leaf North America U.S. to Close Danville Processing Center. News Release.	Tobacco		No	EPA-HQ-OW-2004-0032-1967
14.6	02969	Meeting or Teleconference Materials	Universal Corporation. Form 10-K for fiscal year ending March 31, 2005 - DCN 02969		148	Universal Corporation	06/01/2005	www.sec.gov/edgar	Tobacco		No	EPA-HQ-OW-2004-0032-1517
14.6	02970	Data	Hail & Cotton Tobaccos: Our Capabilities - DCN 02970		1	Hail & Cotton Tobaccos	03/29/2006	Hail & Cotton Tobaccos company website. <http: www.hailcotto<br="">n.com/html/capabiliti es.htm&gt;</http:>	Tobacco		No	EPA-HQ-OW-2004-0032-1518
14.6	02971	Publication Copyrighted Material	O J Thrall Inc - DCN 02971	LexisNexis[TM] Academic company listing	ı 1	LexisNexis™	03/24/2006	LexisNexis[TM]	Tobacco		No	EPA-HQ-OW-2004-0032-1620

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14.6	02972	Other	Santa Fe Natural Tobacco: Granville, NC - DCN 02972		4	Santa Fe Natural Tobacco Co.	06/21/2006	Santa Fe Natural Tobacco company web site. <http: www.sfntc.co<br="">m/Pages/Home.htm&gt;</http:>	Tobacco		No	EPA-HQ-OW-2004-0032-1519
14.6	02974	Data	Swedish Match facility list - DCN 02974		3	Harris InfoSource	03/29/2006	Harris InfoSource. 2006. Company Reach Database <http: www.compan<br="">yreach.com/Compan yInsight/Home.aspx&gt;</http:>	Tobacco		No	EPA-HQ-OW-2004-0032-1572
14.6	02975	Data	Swisher International Group - DCN 02975		4	Harris InfoSource	03/29/2006	Harris InfoSource. 2006. Company Reach Database <http: www.compan<br="">yreach.com/Compan ylnsight/Home.aspx&gt;</http:>	Tobacco		No	EPA-HQ-OW-2004-0032-1520
14.6	02976	Data	Tobacco Rag Processors, Inc DCN 02976		1	Harris InfoSource	03/29/2006	Harris InfoSource. 2006. Company Reach Database <http: www.compan<br="">yreach.com/Compan ylnsight/Home.aspx&gt;</http:>	Tobacco		No	EPA-HQ-OW-2004-0032-1522
14.6	02977	Data	Tobacco Rag Processors, Inc DCN 02977		1	Harris InfoSource	03/29/2006	Harris InfoSource. 2006. Company Reach Database <http: www.compan<br="">yreach.com/Compan ylnsight/Home.aspx&gt;</http:>	Tobacco		No	EPA-HQ-OW-2004-0032-1521
14.6	02978	Publication Copyrighted Material	Republic Technologies: History - DCN 02978		2	Republic Technologies International	03/29/2006	Republic Technologies International company web site. <www.republic- technologies.com/gb/ index_gb.htm&gt;</www.republic- 	Tobacco		No	EPA-HQ-OW-2004-0032-1621

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15.1	01760	Support Background	Pulp and Paper Detailed Study Draft Plan April 15, 2005 -DCN 01760		11	304m Project	04/15/2005		Pulp, Paper & Paperboard	k 🗌	No	EPA-HQ-OW-2004-0032-0464
15.2	01709	Letter, Memorandum, Email	April 5, 2005 Kickoff Meeting Between EPA and American Forest & Paper Association - DCN 01709		43	Lange, Bryan	04/15/2005		Pulp, Paper & Paperboard	k 🗌	No	EPA-HQ-OW-2004-0032-0466
15.2	01729	Meeting or Teleconference Materials	Is Internal Plant Monitoring Data Filed by the State - DCN 01729		2	Lange, Bryan	05/18/2005		Pulp, Paper 8 Paperboard	k 🗌	No	EPA-HQ-OW-2004-0032-0468
15.2	01729A1	Support Background	Washington Bleach Plants, TCDD, TCDF - DCN 01729A01		7	McCall, Merley	05/19/2005		Pulp, Paper 8 Paperboard	k 🗆	No	EPA-HQ-OW-2004-0032-0470
15.2	01729A2	Letter, Memorandum, Email	Letter to Brian Lange, ERG, from Merley McCall, Washington State Department of Ecology, re: Kimberly Clark Evaluation - DCN 01729A02		9	McCall, Merley	06/24/2005		Pulp, Paper & Paperboard	k 🗌	No	EPA-HQ-OW-2004-0032-0472
15.2	01741	Letter, Memorandum, Email	Pulp and Paper: Phase I Mills and Dioxin Dischargers Industry Profile - DCN 01741		22	Kaplan, Maureen, Cadillac, lan	06/21/2005		Pulp, Paper 8 Paperboard	k 🗆	No	EPA-HQ-OW-2004-0032-0474

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15.2	01742	Letter, Memorandum, Email	Letter to Lynn Zipf, USEPA, from Jerry Schwartz, Industry Information on EPA Effluent Limitations Guidelines Program Plan Rankings - DCN 01742		4	Schwartz, Jerry	05/02/2005		Pulp, Paper 8 Paperboard		No	EPA-HQ-OW-2004-0032-0476
15.2	01743	Letter, Memorandum, Email	4/29/05 Letter from Paul Wiegand of NCASI to Jerry Schwartz of AFPA - DCN 01743		8	Wiegand, Paul	04/29/2005		Pulp, Paper & Paperboard		No	EPA-HQ-OW-2004-0032-0479
15.2	01744	Letter, Memorandum, Email	2002 DMR Dioxin Data, Letter from Larry Bowling of Bowater to Jay Unwin of NCASI - DCN 01744		8	Bowling, Larry	04/15/2005		Pulp, Paper 8 Paperboard		No	EPA-HQ-OW-2004-0032-0480
15.2	01745	Letter, Memorandum, Email	4/13/05 Letter from Bill Dameworth of Pope & Talbot to Jay Unwin of NCASI - DCN 01745I		9	Dameworth, Bill	04/13/2005		Pulp, Paper 8 Paperboard		No	EPA-HQ-OW-2004-0032-0483
15.2	01746	Letter, Memorandum, Email	Letter for Andrew Redmond of Weyerhaeuser to Jay Unwin of NCASI - DCN 01746		5	Redmond, Andrew M.			Pulp, Paper 8 Paperboard		No	EPA-HQ-OW-2004-0032-0484
15.2	01747	Letter, Memorandum, Email	5/3/05 Letter from J. Thomas Martin of NewPage to Jay Unwin of NCASI -DCN 01747		47	Martin, J. Thomas	05/03/2005		Pulp, Paper 8 Paperboard		No	EPA-HQ-OW-2004-0032-0486

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15.2	01748	Letter, Memorandum, Email	4/26/05 Letter from Jack W. O'Grady of Bowater Newsprint to Jay Unwin of NCASI - DCN 01748		5	O'Grady, Jack	04/26/2005		Pulp, Paper & Paperboard	k 🗌	No	EPA-HQ-OW-2004-0032-0489
15.2	01749	Letter, Memorandum, Email	Letter from Laurie S. Johnson of Alabama River Pulp Company to Jay Unwin of NCASI-DCN 01749		4	Johnson, Laurie S.	04/18/2005		Pulp, Paper & Paperboard	k 🗌	No	EPA-HQ-OW-2004-0032-0490
15.2	01750	Letter, Memorandum, Email	Bleach Plant Sewer Results, Letter from Randy Abston of Boise to Jay Unwin of NCASI - DCN 01750		1	Abston, Randy	04/20/2005		Pulp, Paper & Paperboard	k 🗆	No	EPA-HQ-OW-2004-0032-0492
15.2	01751	Letter, Memorandum, Email	4/19/05 Letter from Timothy Baker of Fort James to Jay Unwin of NCASI - DCN 01751		23	Baker, Timothy J.	04/19/2005		Pulp, Paper & Paperboard	k 🗆	No	EPA-HQ-OW-2004-0032-0494
15.2	01752	Letter, Memorandum, Email	Letter to Jay Unwin, Western Michigan University from Rick Hamilton, Environmental Manager, Weyehaeuser Company re: Discharge Monitoring Report Data Clarification - EPA Report Correction: Weyehaeuser Company, Port Wentworth Mill, NPDES Permit No. GA000279 - DCN 01752	Discharge Monitoring Report Data Clarification - EPA Report Correction Weyehaeuser Company - Port Wentworth Mill NPDES Permit No. GA0002798	2	Hamilton, Rick	04/26/2005		Pulp, Paper & Paperboard	k 🗆	No	EPA-HQ-OW-2004-0032-0496
15.2	01753	Support Background	Table 5 PAC Concentrations in Pulp Mill Effluents, Excerpt from NCASI's SARA Handbook, Enclosure 10 - DCN 01753		1	HC. Lavallee, Inc.	04/01/2005		Pulp, Paper & Paperboard	k 🗆	No	EPA-HQ-OW-2004-0032-0498

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15.2	01754	Support Background	Table 14 PCDD/F Concentrations in Eight ECF Bleached Chemical Pulp Mill Treated Effluents (NCASI 2002), Excerpt From NCASI's SARA Handbook, Enclosure 11 - DCN 01754		1	NCASI	04/01/2005		Pulp, Paper & Paperboard	k 🗌	No	EPA-HQ-OW-2004-0032-0500
15.2	01755	Support Background	Table 12 Mean PCDD/F Concentrations in Eight Bleached Chemical Pulp Mill (Mostly Non- ECF) Treated Effluents From EPA's Guidance Document (EPA 2000a), Excerpt from NCASI's SARA Handbook, Enclosure 12 - DCN 01755		1	NCASI	04/01/2005		Pulp, Paper & Paperboard	k 🗌	No	EPA-HQ-OW-2004-0032-0502
15.2	01756	Support Background	Groveton Paper Board PAH/BP Estimates for TRI 2002, Table Presenting Mill in Groveton, NH Facilities Specfic Effluent PAC Data Enclosure 13 -DCN 01756		1	Groveton Paper Mill	06/26/2003		Pulp, Paper 8 Paperboard	k 🗌	No	EPA-HQ-OW-2004-0032-0506
15.2	01757	Support Background	MeadWestvaco Discharge to Upper Potomac River Comission, Table Presenting the Luke, MD Mill Facility Specific Indirect Discharge PAC Data, Enclosure 14 - DCN 01757		2	MeadWestva co	01/01/2002		Pulp, Paper & Paperboard	k 🗌	No	EPA-HQ-OW-2004-0032-0508
15.2	01758	Support Background	Dioxin Release to Catawba River, Table Presenting the Bowater Mill in Catawba, SC Facility-Specfic Effluent Dioxin Data, Enclosure 15 - DCN 01758		1	Bowater Mill	12/01/2002		Pulp, Paper & Paperboard	k 🗌	No	EPA-HQ-OW-2004-0032-0510
15.2	01759	Publication	5/12/05 Letter from Paul Wiegand of NCASI to Lynn Zipf of EPA Presenting the Blandin Mill in Grand RAmerican Petroleum Instituteds, MI Facility Specific Indirect Discharge Dioxin Data - DCN 01759		4	Wiegand, Paul	05/12/2005		Pulp, Paper & Paperboard	k 🗌	No	EPA-HQ-OW-2004-0032-0521

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15.2	02074	Report	Dioxin Monitoring Program - DCN 02074		162	Maine, DEP	04/01/2005		Pulp, Paper & Paperboard	k 🗌	No	EPA-HQ-OW-2004-0032-1024
15.2	02075	Letter, Memorandum, Email	Additional Industry Discharge Information - DCN 02075		2	Schwartz, Jerry, AF&PA	05/17/2005		Pulp, Paper & Paperboard	k □	No	EPA-HQ-OW-2004-0032-1030
15.2	02243	Publication Copyrighted Material	Potential Mercury and Hydrochloric Acid Emissions From Wood Fuels, Abstract - DCN 02243		1	Mentz, K, Pinkerton, J, Louch, J	02/01/2005		Pulp, Paper & Paperboard	k 🔽	No	EPA-HQ-OW-2004-0032-0512
15.2	02245	Letter, Memorandum, Email	Updated Mill List - DCN 02245		5	Schwartz, Jerry, AF&PA	07/16/2005		Pulp, Paper & Paperboard	k 🗌	No	EPA-HQ-OW-2004-0032-0516
15.2	02246	Letter, Memorandum, Email	Weyerhaeuser/Flint River Mill in Oglethorpe, GA - Operation Monitoring Reports: 2002, 2003, and 2004 - DCN 02246		49	Parker, Willard, Weyerhaeus er Flint River	04/14/2005		Pulp, Paper & Paperboard	× 🗆	No	EPA-HQ-OW-2004-0032-0532
15.2	02247	Report	Title III Section 313 Release Reporting Guidance, Estimating Chemical Releases from Paper and Paperboard Production. EPA 260-B- 01-015 - DCN 02247		143	EPA	09/01/2001		Pulp, Paper & Paperboard	£ 🗌	No	EPA-HQ-OW-2004-0032-0536

EPA Docket Section	DCN	Document Sub Type	TITLE	ABSTRACT	Page Count	Author	Author Date	Source Citation	Category Industry	Copyright Protected	CBI	Document ID:
15.2	02260	Letter, Memorandum, Email	AF&PA Comments on Agency Information Collection Request (ICR) on EPA Mininum Monitoring Requirements - DCN 02260		15	Schwartz, Jerry, Sr Director, WQ, AF&PA	06/27/2005		Pulp, Paper Paperboard	3. 🗌	No	EPA-HQ-OW-2004-0032-0540 / 0
15.2	02380	Letter, Memorandum, Email	Memorandum to Public Record for the 2006 Effluent Guidelines Program Plan EPA Docket Number OW-2004-0032 from Felicia James USEPA, Office of Water, Office of Science and Technology, Engineering and Analysis Division - DCN 02380	Communications with Jerry Schwartz, AF PA.	& 16	James, Felicia, EPA	10/06/2005		Pulp, Paper o Paperboard	S. 🗌	No	EPA-HQ-OW-2004-0032-1392
15.2	02435	Meeting or Teleconference Materials	Agenda, Attendance List, and Summary Notes from meeting between EPA and Pulp and Paper Industry Representatives held on October 11, 2005 - DCN 02435	Pulp, Paper and Papeboard Effluent Guidelines Discussion; 2006 Preliminary Plan - Pulp, Paper & Paperboard Study.	5	James, Felicia, EPA	10/12/2005		Pulp, Paper Paperboard	&	No	EPA-HQ-OW-2004-0032-1393
15.2	02436	Letter, Memorandum, Email	Memorandum to Jerry Schwartz, American Forest and Paper Association - DCN 02436	Follow-up to meeting held on October 11, 2005; 2006 Preliminary Plan - Pulp, Paper Paperboard Study.		James, Felicia, EPA	10/28/2005		Pulp, Paper Paperboard	& 🗌	No	EPA-HQ-OW-2004-0032-1394
15.2	02500	Letter, Memorandum, Email	Letter to Bryan Lange, ERG - DCN 02500	ERG contacted selected facilities to confir reported discharges to TRI and research t character of the pulp and paper industry effluents. Graphic Packaging in W. Monro LA, a paper mill, estimated discharges of lead and zinc using a water treatment system (WTS) factor. Additional factors ar production were provided in this fax.	he e	Morvant, Steve	01/09/2006		Pulp, Paper of Paperboard	&	No	EPA-HQ-OW-2004-0032-1396

EPA Docket Section	DCN	Document Sub Type	TITLE	ABSTRACT	Page Count	Author	Author Date	Source Citation	Category Industry	Copyright Protected	CBI	Document ID:
15.2	02678	Publication Copyrighted Material	Technical and Economic Feasibility Assessment of Metals Reduction in Pulp and Paper Mill Wastewaters; NCASI Technical Bulletin 756 - DCN 02678	NCASI performed two studies (technical bulletins 756 and 807) of wastewater treatment technology options for reduction of trace metals to meet Great Lakes Initiative (GLI) water quality criteria. The fir study examined metals chemistry, typical effluent levels vs. the GLI criteria, provided preliminary screening of metals removal technologies, and presented detailed conceptual process analysis for selecting wastewater treatment technologies. A second study included bench-scale testing of selected metals removal processes on various wastewater streams from two pulp and paper mills.	rst da	Merrill, Douglas T.		National Council for Air and Stream Improvement, Inc. (NCASI). 1998. Research Triangle Park, NC	Pulp, Paper & Paperboard	. 🗸	No	EPA-HQ-OW-2004-0032-1395
15.2	02679	Publication Copyrighted Material	Bench-scale Testing of Processes to Reduce Metals Concentrations in Pulp and Paper Mill Wastewaters, NCASI Technical Bulletin 807 - DCN 02679	Several chemical processes were examine at bench scale to evaluate their potential to remove metals from selected pulp and paper mill wastewaters to discharge limits based on GLI water quality criteria. The processes included (a) an electrochemical process (Andco), (b) a sulfide-based precipitation process (Sulfex), and (c) the FeCl2/Biox process, which incorporates adsorption of metals on iron hydroxide introduced into existing pulp and paper mil activated sludge processes.	D	Merrill, Douglas T.		National Council for Air and Stream Improvement, Inc. 2000. Research Triangle Park, NC	Pulp, Paper & Paperboard	. 🗸	No	EPA-HQ-OW-2004-0032-1397
15.2	02680	Publication Copyrighted Material	Nutrient Forms in Pulp and Paper Mill Effluents and Their Potential Significance in Receiving Waters NCASI Technical Bulletin 832 - DCN 02680	NCASI characterized the sources and form of nitrogen and phosphorus typically found entering pulp and paper mill biological treatment systems and evaluated these forms with respect to their potential for utilization within the system and/or availability to stimulate plant growth upon discharge.		Schmedding, David W.		National Council for Air and Stream Improvement, Inc. 2001. Research Triangle Park, NC	Pulp, Paper & Paperboard		No	EPA-HQ-OW-2004-0032-1398

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15.2	02681	Publication Copyrighted Material	Evaluation of Nutrient Criteria and Response Variables Based Upon the NCASI Long-term Receiving Water Study Experience, NCASI Technical Bulletin 833 - DCN 02681	In response to the 1998 Clean Water Action Plan, the USEPA has published strategy documents for developing ecoregional nutrient criteria and it has proposed criteria guidance values for lakes and reservoirs, rivers and streams, and one wetland, in some ecoregions. A review of the experience to date in NCASI's Long-Term Receiving Waters Study (LTRWS) was conducted to identify the utility of this experience in addressing the nutrient crite guidance values and the process used in their development.	à	Dudley, Judy, NCASI Northwest		National Council for Air and Stream Improvement, Inc. (NCASI). 2001	Pulp, Paper a Paperboard	& 🗹	No	EPA-HQ-OW-2004-0032-1399
15.2	02682	Publication Copyrighted Material	Evaluation of Total Phosphorus and Total Nitrogen Measurement Methods in Pulp and Paper Mill Treated Effluents - NCASI Technical Bulletin #859 - DCN 02682	This report presents results of a single laboratory method evaluation and comparative study of digestion techniques and analytical methods for the determinatio of total phosphorus (TP) and total nitrogen (TN) in pulp and paper mill secondary treated effluents. Four digestion technique were evaluated for the determination of TF (1) acidic persulfate oxidation; (2) mercury (II) sulfate, sulfuric acid, and potassium sulfate block digestion; (3) copper (II) sulfate, sulfuric acid, and potassium sulfate block digestion; and (4) basic to acidic persulfate oxidation.	on s :	Cook, Diana and Frum, Nikki	03/01/2003	National Council for Air and Stream Improvement, Inc. (NCASI). 2003.	Pulp, Paper a Paperboard	& 🔽	No	EPA-HQ-OW-2004-0032-1400
15.2	02683	Publication Copyrighted Material	Investigation of Advanced Techniques to Remove Low-Level Mercury from Pulp and Paper Mill Effluents, NCASI Technical Bulletin No. 870 - DCN 02683	Bench-scale studies evaluated the capabil of granular activated carbon adsorption (GAC), ion exchange (IX) with three IX resins, reverse osmosis (RO), nanofiltratio (NF), and iron coprecipitation (ICOP) to remove mercury and other metals from a bleached kraft mill effluent.	,	Merrill, Douglas T.	03/01/2004	National Council for Air and Stream Improvement, Inc. (NCASI). 2004.	Pulp, Paper a Paperboard	& 🗹	No	EPA-HQ-OW-2004-0032-1401
15.2	02684	Publication Copyrighted Material	Biodegradability of Organic Nitrogen and Phosphorus in Pulp Mill Effluents, NCASI Technical Bulletin No. 879 - DCN 02684	NCASI quantified the rate organic nitroger and phosphorus were converted to inorgan compounds in treated effluents from four pulp and paper mills representing four type of pulp manufacturing.	nic	Stratton, Stephen C.	06/01/2004	National Council for Air and Stream Improvement, Inc. (NCASI). 2004.	Pulp, Paper a Paperboard	& 🗹	No	EPA-HQ-OW-2004-0032-1402

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15.2	02685	Publication Copyrighted Material	Material Substitution to Reduce Mercury Concentrations in Pulp and Paper Industry Final Effluents, NCASI Technical Bulletin 902 - DCN 02685	NCASI reviewed state and federal guidance on developing and implementing mercury- specific pollutant minimization plans (PMPs). In addition, data on the levels of mercury and other metals in a variety of put and paper industry feedstocks used throughout North America are presented. These data show that essentially all raw materials and chemicals imported to mill sites contain measurable mercury, and that the major imports are associated with (in alphabetical order) calcium carbonate, caustic, clay, furnish, starch, and sulfuric acid.	ulp	Louch, Jeff	08/01/2005	National Council for Air and Stream Improvement, Inc. (NCASI). 2005.	Pulp, Paper & Paperboard	×	No	EPA-HQ-OW-2004-0032-1403
15.2	02686	Publication Copyrighted Material	Effluent System Improvements and Results at an Integrated Pulp and Paper Mill - DCN 02686	Presentation slides; Jay Beaudoin enginee at Georgia-Pacific mill in Woodland Maine Production downtime and several high loading events prompted staff improve the effluent system. Improvements were made to the wastewater system, sewer sampling spill control equipment. Results were measured in reduction in effluent color and COD.	],	Beaudoin, Jay, Georgia- Pacific Corp		1999 NCASI Northeast Regional Meeting Presentation	Pulp, Paper & Paperboard	k 🗹	No	EPA-HQ-OW-2004-0032-1404
15.2	02687	Letter, Memorandum, Email	Letter to Felicia James, EPA/EAD - DCN 02687	Letter From Paul Wegand, National Counc for Air and Stream Improvement (NCASI) describing the delivery of eight NCASI technical bulletins and a presentation from the 1999 Northeast Regional Meeting.		Wiegand, Paul, VP, NCASI	03/01/2006		Pulp, Paper & Paperboard	k 🗌	No	EPA-HQ-OW-2004-0032-1405
15.2	02723	Letter, Memorandum, Email	Nutrient Data Accuracy - DCN 02723		5	Schwartz, Jerry/AF&PA	03/17/2006		Pulp, Paper & Paperboard	k 🗌	No	EPA-HQ-OW-2004-0032-1523
15.2	02724	Letter, Memorandum, Email	Memorandum to 2006 Preliminary Plan Docket from Felicia James - DCN 02724	Meeting Summary for the EPA discussion with AF&PA and NCASI regarding the Pul Paper and Paperboard Detailed Study.		James, Felicia, EPA	02/10/2006		Pulp, Paper & Paperboard	k 🗌	No	EPA-HQ-OW-2004-0032-1524

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15.2	02802	Letter, Memorandum, Email	Letter from Packaging Corp of America Mill to Wisconsin Department of Environment, Justification for an Alternate Phosphorus Limit submitted on November 14, 2002 DCN 02802	Packaging Corp of America must comply with the phosphorus discharge limits specified in Wisconsin Administrative Code NR 217 or provide documentation in suppo of a variance. This memorandum is intended to provide support for a phosphorus variance request.	rt	Packaging Corp of America	11/14/2002		Pulp, Paper & Paperboard	k 🗌	No	EPA-HQ-OW-2004-0032-1525
15.2	02803	Letter, Memorandum, Email	Letter from Weyerhaeuser Mill to Wisconsin Department of Environment, Justification for an Alternate Phosphorus Limit submitted on June 22, 1993 DCN 02803	Weyerhaeuser must comply with the phosphorus discharge limits specified in Wisconsin Administrative Code NR 217 or provide documentation in support of a variance. This memorandum is intended to provide support for a phosphorus variance request.	16	Weyerhaeus er	06/22/1993		Pulp, Paper 8 Paperboard	k 🗌	No	EPA-HQ-OW-2004-0032-1526
15.2	02804	Letter, Memorandum, Email	Letter from Wausau Papers Mill to Wisconsin Department of Environment, Justification for an Alternate Phosphorus Limit submitted on September 29, 1997 DCN 02804	Wausau Papers must comply with the phosphorus discharge limits specified in Wisconsin Administrative Code NR 217 or provide documentation in support of a variance. This memorandum is intended to provide support for a phosphorus variance request.	20	Thompson, George E.	09/29/1997		Pulp, Paper 8 Paperboard	k 🗆	No	EPA-HQ-OW-2004-0032-1527
15.2	02805	Letter, Memorandum, Email	Letter from Niagara Mill to Wisconsin Department of Environment, Justification for an Alternate Phosphorus Limit submitted on August 2, 1995 DCN 02805	Niagara must comply with the phosphorus discharge limits specified in Wisconsin Administrative Code NR 217 or provide documentation in support of a variance. Th memorandum is intended to provide suppor for a phosphorus variance request. Stora Enso later acquired the Niagara mill.		Schmutzler, David W.	08/02/1995		Pulp, Paper 8 Paperboard	k 🗌	No	EPA-HQ-OW-2004-0032-1981.2
15.2	02806	Letter, Memorandum, Email	Letter from Repap Mill to Wisconsin Department of Environment, Justification for an Alternate Phosphorus Limit submitted on August 31, 1995 DCN 02806	Repap must comply with the phosphorus discharge limits specified in Wisconsin Administrative Code NR 217 or provide documentation in support of a variance. Th memorandum is intended to provide suppo for a phosphorus variance request. Stora Enso later acquired the Repap mill.		Nessman, Mark	08/31/1995		Pulp, Paper & Paperboard	k 🗌	No	EPA-HQ-OW-2004-0032-1982.1
15.2	02807	Letter, Memorandum, Email	Letter from Fraser Papers Mill to Wisconsin Department of Environment, Justification for an Alternate Phosphorus Limit submitted on July 7, 1998 DCN 02807	Fraser Papers must comply with the phosphorus discharge limits specified in Wisconsin Administrative Code NR 217 or provide documentation in support of a variance. This memorandum is intended to provide support for a phosphorus variance request. Smart Papers later acquired the Fraser Paper mill.	11	McCulloch, Jeffrey	07/07/1998		Pulp, Paper & Paperboard	k 🗆	No	EPA-HQ-OW-2004-0032-1533

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15.2	02808	Letter, Memorandum, Email	Letter from Domtar Mill to Wisconsin Department of Environment, Justification for an Alternate Phosphorus Limit submitted on September 24, 1996 DCN 02808	Domtar must comply with the phosphorus discharge limits specified in Wisconsin Administrative Code NR 217 or provide documentation in support of a variance. Th memorandum is intended to provide suppo for a phosphorus variance request.		) Gause, Robert W.	09/24/1996		Pulp, Paper & Paperboard	& 🗌	No	EPA-HQ-OW-2004-0032-1983
15.2	02809	Letter, Memorandum, Email	Facsimile to Bryan Lange from Randy Conroy, Michigan Department of Environmental Quality - DCN 02809	2005 Mercury minimization program (MMP annual status report and request for Reduction in MMP monitoring for the Escanaba Paper Company.	) 15	Racine, William R.	03/24/2006		Pulp, Paper & Paperboard	& 🗆	No	EPA-HQ-OW-2004-0032-1534
15.2	02810	Letter, Memorandum, Email	Letter to Don Nelson, Washington State Department of Ecology from Kurtz, Christine, Environmental Manager, Kimberly-Clark, Everett, WA dated December 12, 2005 DCN 02810	2005 Interim Study Report of TCDF Contro per Condition S16.C of NPDES Permit.	5	Kurtz, Christine	12/12/2005		Pulp, Paper & Paperboard	& 🗌	No	EPA-HQ-OW-2004-0032-1535
15.2	02811	Letter, Memorandum, Email	Letter to Don Nelson, Washington State Department of Ecology from Kurtz, Christine, Environmental Manager, Kimberly-Clark, Everett, WA dated December 15, 2004 DCN 02811	2004 Interim Study Report of TCDF Contro per Condition S16.C of NPDES Permit.	9	Kurtz, Christine	12/15/2004		Pulp, Paper & Paperboard	& 🗌	No	EPA-HQ-OW-2004-0032-1537
15.2	02812	Letter, Memorandum, Email	Letter from CityForest Mill to Wisconsin Department of Environment, Justification for an Alternate Phosphorus Limit submitted on August 30, 1996 DCN 02812	CityForest must comply with the phosphoru discharge limits specified in Wisconsin Administrative Code NR 217 or provide documentation in support of a variance. Th memorandum is intended to provide suppo for a phosphorus variance request.	is	West, William M.	08/30/1996		Pulp, Paper & Paperboard	\$ []	No	EPA-HQ-OW-2004-0032-1538
15.2	02902	Publication Copyrighted Material	New Dynamics Drive ClO2 Technology Developments in Post Cluster Rule Area - DCN 02902		4	Patrick, Ken	01/07/2004	PaperAge 120(5). <http: www.paperag<br="">e.com/issues/july_au g2004/07_2004clo2. pdf&gt;</http:>	Pulp, Paper & Paperboard	& 🗸	No	EPA-HQ-OW-2004-0032-1623

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15.2	02905	Publication Copyrighted Material	Beyond the Cluster Rule: New Bleaching Challenges - DCN 02905		2	Rooks, Alan	11/01/2003	Solutions! 86(11). <http: www.tappi.org<br="">/index.asp?pid=2802 7&amp;ch=1&gt;</http:>	Pulp, Paper 8 Paperboard		No	EPA-HQ-OW-2004-0032-1624
15.2	02990	Publication Copyrighted Material	Paper Mills: How to Meet Tough Phosphorous Discharge Limits - DCN 02990	A paper and pulp mill in China discovered product used in U.S. agricultural applications (an organically complexed for of phosphoric acid) was much more effective at keeping wastewater phosphore levels within discharge limits.	rm	Harris, Steve		Industrial Waterworld, May/June (28), http://ww.pennnet.co m/Articles/Article_Dis play.cfm?Section=Art icles&ARTICLE_ID=	Pulp, Paper 8 Paperboard		No	EPA-HQ-OW-2004-0032-1630
15.2	03080	Publication Other Government	Mercury Managing, Recycling, Disposing; A Business Guide to Conducting a Mercury Audit - DCN 03080	The brochure was designed to raise awareness of mercury pollution by identifir sources (e.g., caustic soda, catalysts, switches, relays) and listing relevant environmental topic areas to be considere by businesses (e.g., spill prevention trainin purchasing should require disclosure of mercury in chemicals). P3ERIE is a voluntary initiative comprised of businesse and government in the Erie community. International Paper in Erie PA completed a mercury audit and source reduction effort.	ed ng, es an	P3ERIE		<www.dep.state.pa.u s/dep/deputate/pollpr ev/P3erie/Mercbroch .pdf&gt; (Accessed April 11, 2006)</www.dep.state.pa.u 			No	EPA-HQ-OW-2004-0032-1528
15.2	03081	Publication Copyrighted Material	Concentration of Mercury, Methylmercury, Cadmium, Lead, Arsenic, and Selenium in the Rain and Stream Water of two Contrasting Watersheds in Western Maryland - DCN 03081	Weekly wet deposition and throughfall rair samples were collected in the Blacklick Ru (BLK) and Herrington Creek Tributary (HCRT), two streams in western Maryland (MD). Samples were analyzed for total mercury (Hg), methylmercury (MMHg), arsenic (As), selenium (Se), cadmium (Cd and lead (Pb). Concentrations of Hg, MMH Cd, Pb, As, Se, and SPM were compared with concentrations found in other MD rive	un I I), Hg,	Lawson, Nicole, et al.		Water Resources 35- 17(2001):4039-4052			No	EPA-HQ-OW-2004-0032-1632

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15.2	03082	Publication Copyrighted Material	Critical Evaluation of a Potential Wastewater Limit for Aluminum - DCN 03082	This paper presents evidence to show that effluent limits for aluminum are not necessary to protect water quality of the Leaf River in MS. NAWQC are overly conservative, aquatic life are not impaired; aluminum is naturally elevated. The mill practice is to use alum as a raw water treatment agent due, in part, to its effectiveness at reducing color from the source water stream. Alternative water treatment programs are both more costly and less effective at raw water treatment.		Gensemer, Robert, et al.	01/01/2003	2003 TAPPI International Environmental Conference	Pulp, Paper & Paperboard	¥ 🗹	No	EPA-HQ-OW-2004-0032-1635
15.2	03083	Publication Copyrighted Material	Application of Ultrafiltration-Complexation Process for Metal Removal from Pulp and Paper Industry Wastewater - DCN 03083	In recent years, pulp and paper industries have been trying different technologies to reduce fresh water consumption. This has led to a fast development of new wastewat treatment technologies for industrial reuse Lately, water-soluble polymeric ligands hav shown to be powerful substances to remov trace metals from industrial wastewater through ultrafiltration (UF). In the present study, polyethyleneimine (PEI) and polyvinylalcohol (PVA) were used as water soluble polymeric macroligands.	ier ve ve	Vieira, M. et al.	11/30/2001	Journal of Membrane Science 194(2001): 273-276	Pulp, Paper & Paperboard	& <b>V</b>	No	EPA-HQ-OW-2004-0032-1637
15.2	03084	Publication Copyrighted Material	Kinetic Study of Binuclear Manganese-Tris(2- methyl pyridyl)amine Complex Used as a Catalyst for Wood Pulp Bleaching - DCN 03084	A kinetic study about the bleaching of Kraf pulp by hydrogen peroxide in a reaction catalyzed by binuclear manganese complexes is presented. The various kinet parameters (initial reaction orders, activation energy, and integrated kinetic laws) were determined for various reactions involving the action of the complex on lignin and its regeneration by hydrogen peroxide. The regeneration rate of the oxidized form of th complex is faster than the lignin oxidation rate.	ic on	Tzedakis, T., et al.	07/11/2001	Industrial and Engineering Chemistry Research. 40(2001): 3435-3444	Pulp, Paper & Paperboard	<b>₹ ∨</b>	No	EPA-HQ-OW-2004-0032-1639

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15.2	03085	Publication Copyrighted Material	Metal concentrations in some pulp and paper mill effluents before and after activated sludge treatment - DCN 03085	Study investigated concentration variability of metal ions at 3-activated sludge plants using samples. Purification tests with addition of iron were conducted on a laboratory scale to determine the impact of treatment efficiency of an activated sludge plant. Different concentrations of FeCl3 were added to activated sludge systems. After aeration pollutants were measured (dissolved COD, sludge volume index (SV etc.). Metals were present as suspended solids and could be removed by filtering.	'n	Zhang, Yan, et al.	01/01/2000	Paper and Timber 82-5(2000): 322-325	Pulp, Paper ( Paperboard	8 🗹	No	EPA-HQ-OW-2004-0032-1641
15.2	03086	Publication Copyrighted Material	Coagulation and Precipitation of a Mechanical Pulping Effluent-II: Toxicity Removal and Metal Salt Recovery - DCN 03086	Pulp and paper effluents contain compounds harmful to receiving waters ar which inhibit or recalcitrant to biological treatment. Iron and aluminum coagulating agents were effective in treating a CTMP/BCTMP pulping effluent in batch ja screening tests. For full strength effluent, toxicity was markedly reduced by precipitation, with optimal Microtox EC50. higher than optimal levels of addition, iron and aluminum salts contributed to toxicity.	r At	Stephenson, Robert et al.	04/01/1996	Water Resources 30- 4(1996): 793-798	Pulp, Paper o Paperboard	& 🗹	No	EPA-HQ-OW-2004-0032-1644
15.2	03271	Letter, Memorandum, Email	Notes from telephone conversation between Don Nelson, Washington Department of Ecology and Bryan Lange, ERG - DCN 03271	Washington Department of Ecology provided study reports regarding furan discharges from Kimberly Clark in Everett WA mill. Burning salt-laden hog fuel in power boilers may effect dioxin releases to water. The practice of sea-floating logs is more common in North America's Pacific northwest than in the rest of the U.S., but Ecology does not keep track of where the hog fuel comes from.		Lange, Bryan, ERG	04/18/2006		Pulp, Paper o Paperboard	&	No	EPA-HQ-OW-2004-0032-2200
15.2	03278	Letter, Memorandum, Email	Letter to Felicia James USEPA - DCN 03278	NCASI contacted two Phase II mills that reported dioxin and dioxin-like compound releases to water in the 2002 Toxics Release Inventory (TRI): Nippon Paper Industries in Port Angeles, Washington, an West Linn Paper Company, in West Linn, Oregon. The basis for estimated releases are provided.	7 nd	Wiegand, Paul, NCASI	01/04/2006		Pulp, Paper o Paperboard	&	No	EPA-HQ-OW-2004-0032-2201

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15.2	03279	Letter, Memorandum, Email	Letter to Jerry Schwartz, Senior Director, Water Quality Programs AF&PA - DCN 03279	NCASI examined EPA's nutrient and meta effluent loading data at the request of EPA NCASI checked the accuracy of the calculated loads, examined relevant strear impairment listings, counted mills with permit limitations, and estimated the numb of mills with adequate effluent nutrient discharge controls.	n.	12	Unwin, Jay, NCASI	03/20/2006		Pulp, Paper & Paperboard		No	EPA-HQ-OW-2004-0032-2202
15.2	03280	Report	Current Technology for Control of Phosphorus and BOD Discharges in Effluents from Three Kraft Pulp Mills on the Androscoggin River - DCN 03280	This report reviews proven technology for reduction of discharges of phosphorus and BOD from three pulp and paper mills on th Androscoggin River, upstream of Gulf Islar Pond. It is concluded that reductions of up 80% in total BOD and 65% in total phosphorus are attainable, which would represent discharges very substantially below paper industry averages, but not as low as the best in the US or overseas. The three mills are as follows: International Paper in Jay, ME; MeadWestvaco in Rumford, ME; Nexfor-Fraser in Berlin, NH.	d ie nd to	04	McCubbin, Neil	12/12/2003	<www.maine.gov de<br="">p/blwq/topic/gip/inde x.htm&gt; (Accessed July 27, 2006)</www.maine.gov>	Pulp, Paper & Paperboard		No	EPA-HQ-OW-2004-0032-2250
15.2	03281	Publication Copyrighted Material	Coliform Bacteria and Nitrogen Fixation in Pulp and Paper Mill Effluent Treatment Systems - DCN 03281	The majority of pulp and paper mills now biotreat their combined effluents using activated sludge. On the assumption that their wood-based effluents have negligible fixed N, and that activated-sludge microorganisms will not fix significant N, these mills spend large amounts adding ammonia or urea to their aeration tanks (bioreactors) to permit normal biomass growth. N2 fixation in seven Eastern Canadian mill effluent treatment systems was analyzed and presented.	-	6	Gauthier, Francis, et al.	12/01/2000	Applied and Environmental Microbiology 66, 12 (2000):5155 - 5160	Pulp, Paper & Paperboard	. 🗸	No	EPA-HQ-OW-2004-0032-2203
15.2	03282	Publication Copyrighted Material	Full scale implementation of the nutrient limited BAS process at Södra Cell Värö - DCN 03282	A combination of the suspended carrier biofilm process and the activated sludge process has been shown to be very successful for the treatment of different types of pulp and paper mill effluents. Recent findings have shown that nutrient limited operation of the biofilm process greatly improves the sludge characteristics in the following activated sludge stage, wh minimising sludge production and effluent discharge of nutrients.	6	8	Malmqvist, A., et al	06/02/2003	Water Science and Technology, 50, 3(2004):123-130	Pulp, Paper & Paperboard		No	EPA-HQ-OW-2004-0032-2204

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15.2	03283	Publication Copyrighted Material	Identification and Quantification of Nitrogen Nutrient Deficiency in the Activated Sludge Process Using Respirometry - DCN 03283	Experimental protocols to identify and quantify nitrogen nutrient deficiency in the activated sludge process were developed and tested using respirometry. The protocols developed in this study can be used: to assess whether a sludge sample nitrogen nutrient deficient or not; and to estimate the amount of nitrogen required t remedy a nutrient deficient condition in the sludge.	is o	Ning, Zuojun, et al	09/01/2000	Water Research 34, 13(2000):3345-3354	Pulp, Paper & Paperboard	x 🔽	No	EPA-HQ-OW-2004-0032-2205
15.2	03284	Publication Copyrighted Material	Kraft-Mill Biosolids Treatment by Conventional and Biphasic Fermentation - DCN 03284	The use of two-phase anaerobic digestion (TPAD) could be superior in performace to conventional, single-stage digestion. Objective of research was to develop a continuous-flow anaerobic fermentation process and reactor design.		Gosh, S., et al	01/01/1999	Water Science and Technology, 40, 11- 12(1999):169-177	Pulp, Paper & Paperboard	& <b>V</b>	No	EPA-HQ-OW-2004-0032-2206
15.2	03285	Publication Copyrighted Material	Nitrogen and Organic Carbon Transformations in an Aerated Stabilzation Basin - DCN 03285	Transformation and removal of nitrogen from wastewater treatment systems is high important to many wastewater treatment plant operators. These studies followed the transformation of added nitrogen during the treatment of a kraft mill's wastewater to relate these transformations to changes in organic carbon characteristics. Kraft mill wastewater was compared to samples from an unimpacted, high-organic carbon stread	e e n	Sonnenberg, L.B., et al	01/01/2001	TAPPI 2001 Environmental Conference Proceedings	Pulp, Paper & Paperboard	× 🗸	No	EPA-HQ-OW-2004-0032-2207
15.2	03286	Publication Copyrighted Material	Nitrogen Fixation in the Activated Sludge Treatment of Thermomechanical Pulping Wastewater - DCN 03286	Nitrogen supplementation is often practise to ensure effective biological treatment of nutrient limited wastewaters. Pilot scale activated sludge treatment of a thermomechanical pulping wastewater wa carried out in nitrogen-fixing mode. The nitrogen-fixing system proved to be very robust, able to accommodate considerable variation in wastewater composition.	S	Slade, Alison, et al	01/01/2001	TAPPI 2001 Environmental Conference Proceedings	Pulp, Paper & Paperboard	× 🗹	No	EPA-HQ-OW-2004-0032-2208
15.2	03288	Publication Copyrighted Material	Nitrogen Fixation in the Treatment of Pulp and Paper Wastewaters - DCN 03288	Pulp and paper wastewaters are generally low in nitrogen. Nitrogen supplementation often practiced to ensure effective BOD removal. By manipulating treatment conditions to select for the growth of nitrogen fixing microorganisms, it is possit to achieve good BOD removals without the addition of nitrogen.	is ole	Grapes, D.J. et al	01/01/1999	Water Science Technology 40, 11- 12 (1999): 85-92	Pulp, Paper & Paperboard	& <b>V</b>	No	EPA-HQ-OW-2004-0032-2209

EPA Docket Section	DCN	Document Sub Type	TITLE	ABSTRACT	Page Count	Author	Author Date Source Citation	Category Industry	Copyright Protected	CBI	Document ID:
15.2	03289	Publication Copyrighted Material	Nutrient-limited biofilm pretreatment: an efficient way to upgrade activated sludge plants - DCN 03289	Biological treatment of bleached kraft mill effluent in a nutrient limited moving bed biofilm process followed by an activated sludge process on a pilot plant scale. Operating under phosphorus limitation did not compromise organic removal and resulted in excellent sludge settleability ar reduced sludge production. The unit achieved low discharge levels of nutrients	nd	Welander, Thomas, et al.	06/01/2002 TAPPI Journal 1, 4(2002):20-26	Pulp, Paper & Paperboard	k 🗸	No	EPA-HQ-OW-2004-0032-2210
15.2	03290	Publication Copyrighted Material	Nutrient minimization in the pulp and paper industry: an overview - DCN 03290	This paper reviews nutrient issues within t pulp and paper industry summarizing: nitrogen and phosphorus cycles within treatment systems; sources of nutrients within pulping and papermaking processe minimizing nutrient discharge; new approaches to nutrient minimization; and t impact of nutrients in the environment.	s;	Slade, A.H. et al	06/02/2003 Water Science and Technology 50, 3(2004):111-122	Pulp, Paper & Paperboard	x 🗹	No	EPA-HQ-OW-2004-0032-2211
15.2	03291	Publication Copyrighted Material	Nutrients Within Integrated Bleached Kraft Mills: Sources and Behavior in Aerated Stabilization Basins - DCN 03291	A survey of nutrient sources around a modern ECF integrated bleached kraft mil showed that point sources of nitrogen and phosphorus could be identified. Three aerated stabilization basin treatment systems were studied, two of which were nutrient limited in terms of theoretical nutrient requirements.		Slade, A.H., et al	01/01/1999 Water Science Technology 40,11- 12(1999): 77-84	Pulp, Paper & Paperboard	x 🗹	No	EPA-HQ-OW-2004-0032-2212
15.2	03292	Publication Copyrighted Material	N-ViroTech® - a novel process for the treatment of nutrient limited wastewaters - DCN 03292	Pulp and paper wastewaters are mostly deficient in nitrogen and phosphorus, historically effective treatment dictates the addition of supplementary nutrients such a urea and phosphoric acid. NViroTech ® is an effective treatment technology which overcomes this nutrient deficiency/excess paradox. The process relies on nitrogen- fixing bacteria from the atmosphere.	as ;	Slade, Alison, et al	06/02/2003 Water Science and Technology 50, 3(2004):131-139	Pulp, Paper & Paperboard	k 🔽	No	EPA-HQ-OW-2004-0032-2213
15.2	03293	Publication Copyrighted Material	Occurrence and significance of filamentous bacteria in pulp and paper activated sludge systems - DCN 03293	A microbial survey of activated sludge systems included conventional activated sludge systems, sequential batch reactors and six oxygen-activated sludge systems, treating pulp and paper effluents. The mos prevalent filaments observed were Thiothi and Type 021N. The designs of the activated sludge systems seemed to have an effect on the filament types.	all st rix	Bergeron, J. et al.	06/02/2003 Water Science and Technology 50, 3(2004):39-48	Pulp, Paper & Paperboard	x V	No	EPA-HQ-OW-2004-0032-2214

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15.2	03294	Publication Copyrighted Material	Operational factors and nutrient effects on activated sludge treatment of Pinus radiata kraft mill wastewater - DCN 03294	The biodegradability of Pinus radiata bleached kraft mill wastewater by an activated sludge treatment was evaluated. The effect of varying hydraulic retention tin and nitrogen and phosphorus addition on removal of biological oxygen demand, chemical oxygen demand, suspended solids, total phenolic compounds, tannin an lignin and reduction of toxicity was investigated.	ne	Diez, M.C. et al	06/01/2002	Bioresource Technology 83(2002):131-138	Pulp, Paper & Paperboard	x 🗸	No	EPA-HQ-OW-2004-0032-2215
15.2	03299	Publication Copyrighted Material	Investigation into the Variability and Control of Dioxin Formation and Emissions from Coastal Power Boilers - DCN 03299	Stack dioxin emissions from coastal power boilers burning salt-laden hog fuel are variable and can present difficulties for mill in ensuring compliance with current Canac Wide Standard limit. Detailed analysis of th results of stack dioxin emission tests indicates that most of the variation in emissions can be attributed to variations in combustion efficiency, particulate removal efficiency in the ESP or scrubber, hog fuel salt content, and operating temperatures in the air heater or ESP.	ls la ne	Uloth, V.C., et al	08/28/2005	TAPPI 2005 Engineering, Pulping & Environmental Conference	Pulp, Paper & Paperboard	k 🗸	No	EPA-HQ-OW-2004-0032-2218
15.2	03300	Publication Copyrighted Material	Fundamentals, Present and Future Perspectives of Electrocoaulation - DCN 03300	Electrocoagulation is an electrochemical wastewater treatment technology that is currently experiencing both increased popularity and considerable technical improvements. There has been relatively little effort to better understand the fundamental mechanisms of the processes particularly those that could provide design parameters to optimize the performances of this relatively simple and inexpensive technique. The authors have realized that the technology has been insufficiently reviewed.	้	Mollaha, Mohammad et al.	09/28/2004	Journal of Hazardous Materials B114(2004):199-210	Pulp, Paper & Paperboard	k 🗹	No	EPA-HQ-OW-2004-0032-2219
15.2	03301	Publication Copyrighted Material	Concentration of Metals In Recycled Papers - DCN 03301	Secondary Fiber Mills are susceptible to metal contamination and control is difficult as metal concentrations vary depending or paper type (e.g., newsprint, old corrugated containers). Samples collected at a deinkir mill and analyses for metals showed day-to day variability and some trends: bleached products had lower manganese and better paper grades (i.e., coated groundwood stock and coated books) had higher aluminum.	n   ng p-	Dsouza, Valerie et al.	01/01/1998	1998 TAPPI Recycling Symposium:163-175	Pulp, Paper & Paperboard	x 🗸	No	EPA-HQ-OW-2004-0032-2220

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15.2	03303	Publication USEPA	Development Document for the Final Effluent Limitations Guidelines and Standards for the Centralized Waste Treatment Industry, Final, Volume 1 (EPA 821-R-00-020) - DCN 03303	This technical development document describes the technical bases for the final Effluent Limitations Guidelines, Pretreatment Standards, and New Source Performance Standards for the Centralized Waste Treatment CWT) Industry Point Source Category.		US EPA	08/01/2000	Internet Materials: <www.epa.gov water<br="">science/guide/cwt/fin al/devtdoc.html&gt; (Accessed August 1, 2006).</www.epa.gov>	Pulp, Paper & Paperboard	&	No	EPA-HQ-OW-2004-0032-2223
15.2	03304	Publication USEPA	Supplemental Technical Development Document for Effluent Limitations Guidelines and Standards for the Pulp, Paper, and Paperboard Category (EPA-821-R-97-011) - DCN 03304	The new regulations for the pulp, paper, an paperboard industry, also known as the "Cluster Rules," include effluent limitations guidelines and standards for the control of wastewater pollutants and national emissio standards for hazardous air pollutants. This Supplemental Technical Development Document supports the final effluent limitations guidelines and standards.	n	US EPA	10/01/1997	Internet Materials: <www.epa.gov water<br="">science/pulppaper/te chnicalsupp.html&gt; (Accessed August 1, 2006).</www.epa.gov>	Pulp, Paper & Paperboard	&	No	EPA-HQ-OW-2004-0032-2224
15.2	03386	Publication Copyrighted Material	Methode d'analyse - DCN 03386	Determination des hydrocarbures aromatiques polycycliques : dosage par chromatographie en phase gazeuse couplee a un spectrometre de masse.	42	Ministere de l'Environnem ent, Quebec	11/24/2003	Centre d'expertise en analyse environnementale du Quebec	Pulp, Paper & Paperboard	\$ 🗸	No	EPA-HQ-OW-2004-0032-2236
15.2	03387	Publication Copyrighted Material	Prediction of metals distribution in Mill Processes, Part 1: Metals Equalibrum Model - DCN 03387	In this paper, a general equilibrium calculation program for aqueous multicomponent and multiphase systems, SOLGASWATER, is adapted to metals equilibrium calculation for pulp slurries. Sodium, calcium, magnesium, potassium, and manganese are currently included in th model. A set of pulp-bound metals measurements at different pHs are used to determine the interactions of pulp-binding ligands with metals.		Gu, Yongxiang et al.		Solutions! 87- 1(2004):26-32	Pulp, Paper & Paperboard	& 🔽	No	EPA-HQ-OW-2004-0032-2235
15.2	03388	Publication Copyrighted Material	The fate of metals in forest industry wastewater treatment systems - DCN 03388	The capture/removal of a range of metals was estimated for a number of pulp and paper wastewater treatment systems. Both long-term wastewater data and accumulate sludge data were examined. Only copper and lead were effectively captured by all sites and estimate methods. Qualitatively, iron, aluminium, cadmium, and cobalt were usually captured to a significant extent. The sludge inventory-based approach and the wastewater system inlet-outlet approach gave reasonably similar capture estimates.	ed e e	Bryant, C. et al.	01/01/2004	Water Science and Technology 50- 3(2004):21-28	Pulp, Paper & Paperboard	& 🗸	No	EPA-HQ-OW-2004-0032-2234

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15.2	03389	Publication Copyrighted Material	Modeling of electrodialysis of metal ion removal from pulp and paper mill process stream - DCN 03389		t n s	Yu, Zhiqiang et al.	03/21/2000	Chemical Engineering Science 55(2000):4629-4641	Pulp, Paper & Paperboard	& 🗹	No	EPA-HQ-OW-2004-0032-2246
15.2	03390	Publication Copyrighted Material	Prediction of metals distribution in mill processes, Part 2: Fiber line metals profiles - DCN 03390	In a mill system, metals content in process streams depends on metals intake, process configuration, and equipment operating conditions. While fiber flows in all processs are straightforward, filtrate configuration is becoming increasingly complicated becau of mill closure. This paper (part 2 of 3) addresses challenges by showing the metals profile in any mill system can be predicted by simulation, coupled with the multiphase, multi-component metals equilibrium calculations in Part 1.	es	Gu, Yongxiang et al.	02/01/2004	Solutions! 87- 2(2004):13-20	Pulp, Paper & Paperboard	& 🗸	No	EPA-HQ-OW-2004-0032-2247
15.2	03391	Publication Copyrighted Material	Prediction of metals distribution in mill processes, Part 3 of 3: NPE management in kraft chemical recovery - DCN 03391	Most transition metals are precipitated in green liquor as dregs. Completely removir dregs from green liquor will control transiti metals in chemical recovery systems. A regular, small purge of lime mud controls phosphorus in lime mud at acceptable levels. This study will help mills manage n process element (NPE) on a mill-wide bas In particular, better dregs removal achieve significantly drier lime mud to the kiln.	on- iis.	Gu, Yongxiang et al.		Solutions! 87- 3(2004):9-15	Pulp, Paper & Paperboard	& 🗸	No	EPA-HQ-OW-2004-0032-2248
15.2	03392	Publication Copyrighted Material	Mercury pollution prevention at a bleach kraft pulp and paper mill - DCN 03392	Potlatch (now SAPPI) facility in Cloquet, Minnesota through a series of steps reduc mercury discharges. The facility analyzed feedstock chemicals and products (e.g. dispersants, defoamers, sodium hydroxide were found to contain mercury. Mercury content was typically not disclosed on MSDS or certificate of analysis. Where mercury-free alternatives were available a economical they were used. The mill has a banned the purchase of mercury-cell grad- caustic soda and lead smelter sulfuric acid	e) nd a e	Kangas, Kevin et al.	01/01/1996	1996 TAPPI International Environmental Conference:291-304	Pulp, Paper & Paperboard	& <b>V</b>	No	EPA-HQ-OW-2004-0032-2231

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15.2	03393	Publication Copyrighted Material	Strategies for Complying with Limits for Toxic Metals in NPDES Permits - DCN 03393	The US EPA has established national ambient water quality criteria for several metals to protect aquatic organisms. As a result many wastewater dischargers are being issued metals limits for their discharge. The proposed limits can be difficult I fnot impossible to routinely meet. Several strategies can be used to determin if there is a need for a metal limit to protec water quality. Each of these strategies should be evaluated before accepting a metal limits.	ne	Bills, Gerald et al.	01/01/1994	1994 TAPPI Environmental Conference:653-663	Pulp, Paper & Paperboard	×	No	EPA-HQ-OW-2004-0032-2230
15.2	03682	Letter, Memorandum, Email	Letter to Felicia James USEPA - DCN 03682	AF&PA and NCASI reviewed and analyzed the basis for EPA's screening analysis regarding nutrient and metals discharges. EPA may be overstating the nutrient discharges from numerous pulp and paper mills. Metals discharges from pulp and paper mills are not a national concern that would justify prioritizing the source categor for ELG review.	r	Schwartz, Jerry, NCASI	03/29/2006		Pulp, Paper & Paperboard	k 🗌	No	EPA-HQ-OW-2004-0032-2228
15.2	03684	Letter, Memorandum, Email	Letter to Duane Schuettpelz, Section Chief Wastewater Permits and Pretreatment Bureau of Watershed Management Wisconsin Department of Natural Resources - DCN 03684	2006 annual review of existing effluent guidelines for the Pulp, Paper, and Paperboard Point Source Category.	5	James, Felica L. B.	04/05/2006		Pulp, Paper & Paperboard	k 🗌	No	EPA-HQ-OW-2004-0032-2232
15.2	03685	Letter, Memorandum, Email	Email to Jerry Schwartz of AF&PA - DCN 03685	Information and questions about pulp mill operating status and discharges for next Tuesday's meeting.	3	Zipf, Lynn	03/29/2005		Pulp, Paper & Paperboard	k 🗌	No	EPA-HQ-OW-2004-0032-2252
15.2	03686	Meeting or Teleconference Materials	Notes from telephone conversation between Mike Hammers of Wastewater Permits and Pretreatment Section, Wisconsin Department of Natural Resources and Bryan Lange of ERG DCN 03686	Minimization Plans for Phosphorus and Metals.	354	Lange, Bryan	03/08/2006		Pulp, Paper & Paperboard	& 🗌	No	EPA-HQ-OW-2004-0032-2233

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15.2	03693	Letter, Memorandum, Email	Email to Bryan Lange, ERG - DCN 03693	Response to EPA information request, from Bowater, Catawba, SC.	m 12	Herendeen, Dale	06/15/2006		Pulp, Paper & Paperboard	&	No	EPA-HQ-OW-2004-0032-2227
15.2	03775	Letter, Memorandum, Email	Letter to Michael D. Hammers, of Wisconsin Department of Natural Resources DCN 03775	Domtar A.W. Corp. Permit Renewal Application Request for Phosphorus Alternate Limit.	3	Watson, Andrew W.	04/03/2006		Pulp, Paper & Paperboard	& 🗌	No	EPA-HQ-OW-2004-0032-2229
15.2	03908	Letter, Memorandum, Email	Email to Felicia James, EPA - DCN 03908	Information Regarding the nitrate discharg from the Georgia Pacific, Big Island mill.	e 2	Starke, Mayes, Georgia Pacific	02/23/2006		Pulp, Paper & Paperboard	& 🗌	No	EPA-HQ-OW-2004-0032-2226
15.2	03908A1	Data	Georgia Pacific, Big Island mill, nitrogen sample results - DCN 03908A1	Results from samples collected at the facil on January 17, 2006.	lity 1	Georgia Pacific	01/31/2006		Pulp, Paper & Paperboard	&	No	EPA-HQ-OW-2004-0032-2233.1
15.2	04048	Report	United States Paper, Paperboard, and Market Pulp Capacity Trends by Process and Location, 1970-2000 - DCN 04048	USDA, Forest Service, Forest Products Laboratory report providing detailed data of capacity trends of the pulp and paper industry in the United States based on a compilation of individual mill and process data from 1970 to 2000.	38 on	USDA, Forest Service, Forest Products Lab	10/01/2001	www.fpl.fs.fed.us/doc umnts/fplrp/fplrp602. pdf	Pulp, Paper & Paperboard	&	No	EPA-HQ-OW-2004-0032-2271
15.2.1	02848	Publication Copyrighted Material	Papers: Sheldon - DCN 02848	A profile of the Sheldon paper mill.	1	Abitibi- Consolidated Inc.	01/01/2002	<www.abitibiconsolid ated.com/ACEwebsit eV3.nsf/Site/en/pape rs/newsprint/sheldon. html&gt; (page no longer exists)</www.abitibiconsolid 	Paperboard	& 🗹	No	EPA-HQ-OW-2004-0032-1648

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15.2.1	02849	Publication Copyrighted Material	Papers: Lufkin - DCN 02849	A profile of the Lufkin paper mill.	1	Abitibi- Consolidated Inc.		<www.abitibiconsolid ated.com/ACEwebsit eV3.nsf/Site/en/pape rs/newsprint/lufkin.ht ml&gt;</www.abitibiconsolid 	Pulp, Paper & Paperboard	à 🔽	No	EPA-HQ-OW-2004-0032-1650
15.2.1	02850	Publication Copyrighted Material	CAmerican Petroleum Institutetol Talks in Paper Mill Talks Fail with Shutdown Pending - DCN 02850	Lincoln Pulp and Paper and Eastern Fine Paper, Maine.	2	Adams, Glenn	02/10/2004	Boston Globe, February 10. <http: www.boston.c<br="">om/news/local/maine /articles/2004/02/10/ capitol_talks_in_pap er_mill_talks_fail_wit</http:>	Pulp, Paper & Paperboard	¥ 🖌	No	EPA-HQ-OW-2004-0032-1653
15.2.1	02851	Publication Copyrighted Material	All About Appleton - DCN 02851	Basic information from the Appleton paper company.	r 2	Appleton	01/01/2005	<http: www.appleton<br="">ideas.com/webapp/w cs/stores/servlet/alla boutappleton?langID =- 1&amp;catalogID=239327 &amp;storeID=139327&gt;</http:>		& <b>V</b>	No	EPA-HQ-OW-2004-0032-1656
15.2.1	02852	Publication Other Government	Form 10-K and Annual Report: Annual Report Pursuant to Section 13 or 15(d) of the Securities Exchange Act of 1934 for the Fiscal Year Ended December 31, 1998, Badger Paper Mills, Inc DCN 02852		121	Badger Paper Mills	03/31/1999		Pulp, Paper & Paperboard	¥ 🗌	No	EPA-HQ-OW-2004-0032-1529
15.2.1	02853	Publication Copyrighted Material	Boise Cancels Initial Public Offering - DCN 02853		1	Boise Cascade	05/18/2005	<http: c<br="" www.bc.com="">orporate/news.jsp&gt; (page no longer exists)</http:>	Pulp, Paper & Paperboard	k 🗹	No	EPA-HQ-OW-2004-0032-1658
15.2.1	02854	Publication Copyrighted Material	Eastern Pulp and Paper Sale Is Completed - DCN 02854		2	Associated Press	05/28/2004	Boston Globe, May 18. <http: www.boston.c<br="">om/news/local/maine /articles/2004/05/28/ eastern_pulp_and_p aper_sale_is_comple</http:>	Pulp, Paper & Paperboard	× 🗸	No	EPA-HQ-OW-2004-0032-1661

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15.2.1	02855	Publication Copyrighted Material	ESOP - DCN 02855	Paragraph about BRPP's employee stock ownership plan.	1	Blue Ridge Paper Products	01/01/2005 <http: www.blueridg<br="">epaper.com&gt;</http:>	Pulp, Paper & Paperboard	× 🗸	No	EPA-HQ-OW-2004-0032-1665
15.2.1	02856	Publication Other Government	Investigations Regarding Certifications of Eligibility to Apply for Worker Adjustment Assistance - DCN 02856		2	U.S. Department of Labor	10/30/2001	Pulp, Paper & Paperboard	& 🗆	No	EPA-HQ-OW-2004-0032-1530
15.2.1	02857	Publication USEPA	Federal Register Notice 40 CFR Parts 63, 261, and 430 National Emissions Standards for Hazardous Air Pollutants for Source Category: Pulp and Paper Production; Effluent Limitations Guidelines, Pretreatment Standards, and New Source Performance Standards: Pulp, Paper, and Paperboard Category; Final Rule - DCN 02857		249	US EPA	04/15/1998 63 FR 18504	Pulp, Paper & Paperboard	¥ 🗌	No	EPA-HQ-OW-2004-0032-1531
15.2.1	02858	Publication USEPA	Economic Analysis for the National Emission Standards for Hazardous Air Pollutants for Source Category: Pulp and Paper Production; Effluent Limitations Guidelines, Pretreatment Standards, and New Source Performance Standards: Pulp, Paper, and Paperboard Category—Phase 1 - DCN 02858		498	US EPA	10/27/1997	Pulp, Paper & Paperboard	£ 🗌	No	EPA-HQ-OW-2004-0032-1532
15.2.1	02859	Publication Copyrighted Material	Evergreen Pulp, Inc DCN 02859	Web pages with information on Evergreen Pulp, Inc., from the company's website.	n 1	Evergreen Pulp, Inc.	01/01/2005 <http: www.evergree<br="">npulp.com&gt;</http:>	Pulp, Paper & Paperboard	£ 🗸	No	EPA-HQ-OW-2004-0032-1666
15.2.1	02860	Publication Copyrighted Material	Our Company - DCN 02860	Paragraph describing paper manufacturer Finch Pruyn & Company.	· 1	Finch Pruyn & Company	01/01/2005 <http: www.finchpap<br="">er.com&gt;</http:>	Pulp, Paper & Paperboard	k 🗸	No	EPA-HQ-OW-2004-0032-1678

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15.2.1	02861	Publication Copyrighted Material	Fraser Papers - DCN 02861	Web pages with information on Fraser Papers, from the company's website.	3	Fraser Papers	01/01/2005	<http: www.fraserpa<br="">pers.com/main.cfm?f use=mainTemplate_ section- corp_corpSection- investor_corpSubSe ction-reports&gt;</http:>		£ ✔	No	EPA-HQ-OW-2004-0032-1681
15.2.1	02862	Publication Copyrighted Material	Georgia Pacific: 2004 Annual Report - DCN 02862		32	Georgia Pacific Corporation	01/01/2005		Pulp, Paper & Paperboard	& 🗹	No	EPA-HQ-OW-2004-0032-1683
15.2.1	02864	Publication Other Government	Form 10-K: Annual Report Pursuant to Section 13 or 15(d) of the Securities Exchange Act of 1934 for the Fiscal Year Ended January 1, 2005, Commission File Number 1-3506, Georgia-Pacific Corporation - DCN 02864		270	Georgia Pacific Corporation	02/28/2005	http://sec.gov/Archiv es/edgar/data/41077/ 00011931250503900 2/0001193125-05- 039002-index.htm	Pulp, Paper & Paperboard	\$	No	EPA-HQ-OW-2004-0032-1541
15.2.1	02865	Publication Copyrighted Material	Georgia-Pacific Completes Sale of Paper Manufacturing Assets in Arkansas, Maine and Wisconsin to Domtar - DCN 02865		1	Georgia Pacific Corporation	08/07/2001	<http: <br="" www.gp.com="">center/news/news.as p?NewsID=1077&gt;</http:>	Pulp, Paper & Paperboard	s 🗹	No	EPA-HQ-OW-2004-0032-1687
15.2.1	02866	Publication Copyrighted Material	International Paper Agrees to Sell Its Industrial Papers Business - DCN 02866		2	International Paper	03/14/2002	<http: investor.intern<br="">ationalpaper.com/ph oenix.zhtml?c=73062 &amp;p=irol- newsArticle&amp;ID=684 931&amp;highlight=&gt;</http:>		& <b>V</b>	No	EPA-HQ-OW-2004-0032-1690
15.2.1	02867	Publication Copyrighted Material	International Paper Completes Sale of Fine Papers Business to Mohawk - DCN 02867		1	International Paper	05/02/2005	<http: investor.intern<br="">ationalpaper.com/ph oenix.zhtml?c=73062 &amp;p=irol- newsArticle&amp;ID=704 030&amp;highlight=&gt;</http:>		& <b>V</b>	No	EPA-HQ-OW-2004-0032-1692

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15.2.1	02868	Publication Copyrighted Material	International Paper Announces Plan to Transform Its Business Portfolio and Performance - DCN 02868		7	International Paper	07/19/2005	<http: investor.intern<br="">ationalpaper.com/ph oenix.zhtml?c=73062 &amp;p=irol- newsArticle&amp;ID=731 947&amp;highlight=&gt;</http:>		k 🗸	No	EPA-HQ-OW-2004-0032-1694
15.2.1	02869	Report	Form 10-K: Annual Report Pursuant to Section 13 or 15(d) of the Securities Exchange Act of 1934 for the Fiscal Year Ended December 31, 2004, International Paper Company - DCN 02869	Annual report	106	International Paper	03/10/2005	<http: archi<br="" sec.gov="">ves/edgar/data/5143 4/00095011705000 925/0000950117-05- 000925-index.htm&gt;</http:>		k 🗆	No	EPA-HQ-OW-2004-0032-1970
15.2.1	02870	Report	Form 10-K: Annual Report Pursuant to Section 13 or 15(d) of the Securities Exchange Act of 1934 for the Fiscal Year Ended December 31, 2003, International Paper Company - DCN 02870	Annual report	100	International Paper	03/12/2004	<http: archi<br="" sec.gov="">ves/edgar/data/5143 4/000095011704000 964/0000950117-04- 000964-index.htm&gt;</http:>		& 🗆	No	EPA-HQ-OW-2004-0032-1645
15.2.1	02871	Report	Form 10-K: Annual Report Pursuant to Section 13 or 15(d) of the Securities Exchange Act of 1934 for the Fiscal Year Ended December 31, 2002, International Paper Company - DCN 02871	Annual report	92	International Paper	02/28/2003	<http: archi<br="" sec.gov="">ves/edgar/data/5143 4/00095011703000 884/000950117-03- 000884-index.htm&gt;</http:>		k 🗌	No	EPA-HQ-OW-2004-0032-1629
15.2.1	02872	Publication Other Government	Form 10-K: Annual Report Pursuant to Section 13 or 15(d) of the Securities Exchange Act of 1934 for the Fiscal Year Ended December 31, 2001, International Paper Company - DCN 02872		273	International Paper	03/18/2002	<http: archi<br="" sec.gov="">ves/edgar/data/5143 4/000095013002001 668/0000950130-02- 001668-index.htm&gt;</http:>	Pulp, Paper & Paperboard	k 🗌	No	EPA-HQ-OW-2004-0032-1543
15.2.1	02873	Publication Other Government	Form 10-K: Annual Report Pursuant to Section 13 or 15(d) of the Securities Exchange Act of 1934 for the Fiscal Year Ended December 31, 2000, International Paper Company - DCN 02873		289	International Paper	03/26/2001	<http: archi<br="" sec.gov="">ves/edgar/data/5143 4/000095011701000 558/0000950117-01- 000558-index.htm&gt;</http:>		k 🗌	No	EPA-HQ-OW-2004-0032-1545

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15.2.1	02874	Publication Copyrighted Material	International Paper, Union Camp Announce Share Exchange Ratio - DCN 02874		1	International Paper	04/29/1999	<http: investor.intern<br="">ationalpaper.com/ph oenix.zhtml?c=73062 &amp;p=irol- newsArticle&amp;ID=658 04&amp;highlight=&gt;</http:>			No	EPA-HQ-OW-2004-0032-1696
15.2.1	02875	Publication Other Government	Form 10-K: Annual Report Pursuant to Section 13 or 15(d) of the Securities Exchange Act of 1934 for the Fiscal Year Ended December 31, 1999, International Paper Company - DCN 02875		279	International Paper	03/27/2000	<http: archi<br="" sec.gov="">ves/edgar/data/5143 4/0000912057-00- 013809-index.html&gt;</http:>			No	EPA-HQ-OW-2004-0032-1546
15.2.1	02876	Publication Other Government	Form 10-K: Annual Report Pursuant to Section 13 or 15(d) of the Securities Exchange Act of 1934 for the Fiscal Year Ended December 31, 1998, International Paper Company - DCN 02876		103	International Paper	03/31/1999	<http: archi<br="" sec.gov="">ves/edgar/data/5143 4/0001047469-99- 012865-index.html&gt;</http:>			No	EPA-HQ-OW-2004-0032-1547
15.2.1	02877	Publication Other Government	Form 10-K: Annual Report Pursuant to Section 13 or 15(d) of the Securities Exchange Act of 1934 for the Fiscal Year Ended December 31, 1997, International Paper Company - DCN 02877		208	International Paper	03/30/1998	<http: archi<br="" sec.gov="">ves/edgar/data/5143 4/0001047469-98- 012606-index.html&gt;</http:>			No	EPA-HQ-OW-2004-0032-1548
15.2.1	02878	Publication Other Government	Form 10-K: Annual Report Pursuant to Section 13 or 15(d) of the Securities Exchange Act of 1934 for the Fiscal Year Ended December 31, 1996, International Paper Company - DCN 02878		148	International Paper	03/28/1997	<http: archi<br="" sec.gov="">ves/edgar/data/5143 4/0000912057-97- 010800-index.html&gt;</http:>			No	EPA-HQ-OW-2004-0032-1551
15.2.1	02879	Publication Other Government	Form 10-K: Annual Report Pursuant to Section 13 or 15(d) of the Securities Exchange Act of 1934 for the Fiscal Year Ended December 31, 1995, International Paper Company - DCN 02879		192	International Paper	04/01/1996	<http: archi<br="" sec.gov="">ves/edgar/data/5143 4/0000889812-96- 000318-index.html&gt;</http:>	Pulp, Paper 8 Paperboard		No	EPA-HQ-OW-2004-0032-1552

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15.2.1	02880	Publication Copyrighted Material	Relationships That Last a Lifetime: Kimberly- Clark 2003 Annual Report - DCN 02880		111	Kimberly- Clark Corporation	01/01/2004	<http: www.kimberly<br="">- clark.com/investorinf o/AnnualReport2003/ kc_03_complete.pdf &gt;</http:>	Pulp, Paper & Paperboard	k 🗸	No	EPA-HQ-OW-2004-0032-1698
15.2.1	02881	Publication Copyrighted Material	Buyer of Last Resort - DCN 02881	A profile of KPS Special Situation Funds, initially from The Deal online newsletter.	3	Carey, David	03/15/2004	<http: www.kpsfund.<br="">com/news/news2004 -03-15b.pdf&gt;</http:>		k 🗸	No	EPA-HQ-OW-2004-0032-1701
15.2.1	02882	Publication Copyrighted Material	Corporate Profile: Lee & Man Paper - DCN 02882	A short profile of Lee & Man Paper from th company's website.	ne 1	Lee & Man Paper Manufactuing Limited		<http: www.leemanp<br="">aper.com&gt;</http:>	Pulp, Paper & Paperboard	× V	No	EPA-HQ-OW-2004-0032-1703
15.2.1	02883	Publication Copyrighted Material	1999 Lockwood-Post's Directory of the Pulp, Paper and Allied Trades - DCN 02883	Information on Procter & Gamble mills in Mehoopany, PA and Missoula, MT.	3	Dyer, Henry	01/01/1998	New York: Miller Freeman	Pulp, Paper & Paperboard	k 🗸	No	EPA-HQ-OW-2004-0032-1705
15.2.1	02884	Publication Other Government	Form 10-K: Annual Report Pursuant to Section 13 or 15(d) of the Securities Exchange Act of 1934 for the Fiscal Year Ended December 31, 2001, Louisiana-Pacific Corporation - DCN 02884		104	U.S. Securities and Exchange Commission	03/15/2002	<http: archi<br="" sec.gov="">ves/edgar/data/6051 9/000091205702010 142/0000912057-02- 010142-index.htm&gt;</http:>		k 🗌	No	EPA-HQ-OW-2004-0032-1553
15.2.1	02885	Publication Copyrighted Material	Company Overview: Lincoln Paper and Tissue - DCN 02885	company website	1	Lincoln Paper and Tissue	06/10/2005	http://www.lpandt.co m/company (accessed on 11/27/2006)	Pulp, Paper & Paperboard	k 🗸	No	EPA-HQ-OW-2004-0032-1554

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15.2.1	02886	Publication Copyrighted Material	Katahdin Paper Co. LLC - DCN 02886		1	Maine Pulp & Paper Association		<http: pulpandpaper.<br="">org/html/profiles/kata hdin.html&gt;</http:>		& <b>V</b>	No	EPA-HQ-OW-2004-0032-1709
15.2.1	02887	Publication Copyrighted Material	The Maine Chance - DCN 02887	An article about Great Northern Paper Co and Katahdin Paper.	. 3	The Manufacturer .com		<http: www.themanu<br="">facturer.com/us/detai l.html?contents_id=2 752&gt;</http:>		s 🔽	No	EPA-HQ-OW-2004-0032-1711
15.2.1	02888	Publication Copyrighted Material	Overview; Expertise: Basic Industries - DCN 02888	Web pages with information on Madison Dearborn Partners, from the company's website.	4	Madison Dearborn Partners	01/01/2005	<http: www.mdcp.co<br="">m/overview.asp&gt;; <http: www.mdcp.co<br="">m/expertise_basic.as p&gt; (pages have changed)</http:></http:>	Pulp, Paper & Paperboard	& 🗹	No	EPA-HQ-OW-2004-0032-1714
15.2.1	02889	Publication Copyrighted Material	MeadWestvaco Agrees to Sell Papers Assets for \$2.3 Billon - DCN 02889		2	Cox, Donna Owens	01/18/2005	<http: ir.newpagecor<br="">p.com/phoenix.zhtml ?c=193188&amp;p=irol- newsArticle&amp;ID=767 685&amp;highlight=&gt;</http:>		3 <b>V</b>	No	EPA-HQ-OW-2004-0032-1716
15.2.1	02890	Publication Copyrighted Material	IP Announces Closure of Third U.S. Uncoated Freesheet Machine - DCN 02890		1	Paperloop	05/20/2005	<www.paperloop.co m/inside/stories/wk0 5_16_2005/110_key. html&gt; (page no longer exists)</www.paperloop.co 	Pulp, Paper & Paperboard	s 🗹	No	EPA-HQ-OW-2004-0032-1718
15.2.1	02892	Publication Copyrighted Material	Company Profile: SAPPI Ltd DCN 02892		4	Paperloop	01/01/2005	<http: www.pulp-<br="">paper.com&gt; (pages no longer exist)</http:>	Pulp, Paper & Paperboard	& 🗸	No	EPA-HQ-OW-2004-0032-1721

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15.2.1	02895	Publication Copyrighted Material	2004 Pulp & Paper Company Profiles: The AmericasBoise Cascade - DCN 02895		10	Pulp and Paper	01/01/2005	<http: www.paperloo<br="">p.com/pub_pdfs/618- 001.pdf&gt;</http:>	Pulp, Paper & Paperboard	& <b>V</b>	No	EPA-HQ-OW-2004-0032-1726
15.2.1	02896	Publication Copyrighted Material	Company Profile: Jefferson Smurfit Group - DCN 02896		1	Pulp and Paper	01/01/2005	<http: www.pulp-<br="">paper.com&gt; (page no longer exists)</http:>	Pulp, Paper & Paperboard	& <b>V</b>	No	EPA-HQ-OW-2004-0032-1728
15.2.1	02897	Publication Copyrighted Material	Company Profile: Smurfit-Stone Container Corp.; Mill Listings - DCN 02897	Two Web pages (one with a profile and or listing mill holdings in North America) abo Smurfit-Stone Container Corp.	ne 4 ut	Pulp and Paper	01/01/2005	<http: www.pulp-<br="">paper.com&gt; (pages no longer exist)</http:>	Pulp, Paper & Paperboard	& <b>V</b>	No	EPA-HQ-OW-2004-0032-1730
15.2.1	02898	Publication Copyrighted Material	SMART Papers Expands Specialty Printing Papers Capacity Following Fraser Papers Mill Purchase - DCN 02898		2	Paperloop	01/07/2005	<http: www.paperloo<br="">p.com/db_area/archi ve/pponews/2005/wk 01_10_2005/07_key. html&gt; (page is subscription-only and may no longer</http:>	Pulp, Paper & Paperboard	\$ <b>⊻</b>	No	EPA-HQ-OW-2004-0032-1733
15.2.1	02899	Publication Copyrighted Material	Company Profile: International Paper Co DCN 02899		3	Paperloop	01/01/2005	<http: www.pulp-<br="">paper.com&gt; (page no longer exists)</http:>	Pulp, Paper & Paperboard	& <b>V</b>	No	EPA-HQ-OW-2004-0032-1736
15.2.1	02900	Publication Copyrighted Material	International Paper to Idle Uncoated Free- Sheet Units in Florida, Maine - DCN 02900		1	Paperloop	03/01/2005	<http: www.paperloo<br="">p.com/db_area/archi ve/pponews/2005/wk 02_28_2005/49_key. html&gt; (page is subscription-only and may no longer</http:>		<b>3</b> . ✔	No	EPA-HQ-OW-2004-0032-1738

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15.2.1	02901	Publication Copyrighted Material	Company Profile: Georgia-Pacific Corp.; North American Mill Listings; Pulp & Paper Sales & Shipments: Six-Year History - DCN 02901	Three Web pages (one with a profile, one listing mill holdings in North America, and one with a table of sales and shipments) about Georgia-Pacific Corp.	5	Pulp and Paper		<http: www.pulp-<br="">paper.com&gt;; <http: www.pulp-<br="">paper.com/news_co mmentary/news/com panies/gp/mill_listing _key.html&gt;;</http:></http:>	Pulp, Paper 8 Paperboard	k 🗹	No	EPA-HQ-OW-2004-0032-1740
15.2.1	02903	Publication Copyrighted Material	Research AlertSmith Barney Cuts Int'l Paper- MarketWatch - DCN 02903		2	Reuters	05/25/2005	<http: yahoo.reuters.<br="">com/printerFriendlyP opup.jhtml?type=quo tesCompanyNews&amp;s toryID=8603916&gt; (page no longer exists)</http:>	Pulp, Paper & Paperboard	× 🗸	No	EPA-HQ-OW-2004-0032-1743
15.2.1	02904	Publication Copyrighted Material	Global Outlook: Fair to Middling - DCN 02904		4	Rooks, Alan		Solutions! 88(1). <http: www.tappi.org<br="">/index.asp?pid=3159 6&amp;ch=1&gt;</http:>	Pulp, Paper & Paperboard	× 🗸	No	EPA-HQ-OW-2004-0032-1745
15.2.1	02906	Publication Copyrighted Material	Paper & Forest Products - DCN 02906		38	Korutz, Bryon J.	04/07/2005	Industry Surveys 173(14). <http: sandp.ecnext.<br="">com/coms2/descripti on_RS_PFP_ITM&gt; (Link leads to more recent version)</http:>	Pulp, Paper & Paperboard	x 🗸	No	EPA-HQ-OW-2004-0032-1750
15.2.1	02907	Data	Company Snapshot: Blue Ridge Paper - DCN 02907		1	So. Appliachian Ctr Coop Ownership	06/13/2005	Southern Appalachian Center For Cooperative Ownership. <http: www.workero<br="">wned.org/snapshot/&gt;</http:>	Pulp, Paper & Paperboard	¥ 🗌	No	EPA-HQ-OW-2004-0032-1555
15.2.1	02908	Publication Copyrighted Material	Cloquet Mill - DCN 02908		1	Sappi	01/01/2005	<http: www.sappi.co<br="">m/SappiWeb/About+ Sappi/Sappi+Fine+P aper+North+America /Cloquet+Mill.htm&gt;</http:>	Pulp, Paper & Paperboard	k 🔽	No	EPA-HQ-OW-2004-0032-1752

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15.2.1	02909	Publication Other Government	Form 20-F: Annual Report Pursuant to Section 13 or 15(d) of the Securities Exchange Act of 1934 for the Fiscal Year Ended September 30, 2001: Sappi Limited - DCN 02909		138	U.S. Securities and Exchange Commission	12/27/2001	<http: archi<br="" sec.gov="">ves/edgar/data/1072 483/0000912057015 44689/0000912057- 01-544689- index.htm&gt;</http:>		× 🗆	No	EPA-HQ-OW-2004-0032-1557
15.2.1	02910	Publication Copyrighted Material	Doing Well, Yet Doing Poorly at Pasadena Paper Co DCN 02910		1	Sixel, L.M.	12/12/2003	Houston Chronicle. <http: www.chron.co<br="">m&gt;</http:>	Pulp, Paper & Paperboard	k 🔽	No	EPA-HQ-OW-2004-0032-1754
15.2.1	02911	Publication Copyrighted Material	About Us: You're Already SMART; About Us: A SMART Heritage - DCN 02911	Two pages from the SMART Papers website, profiling the company and its history.	2	SMART Papers	01/01/2004	<http: www.smartpa<br="">pers.com/2_about/&gt;; <http: www.smartpa<br="">pers.com/2_about/2b _history.asp&gt;</http:></http:>	Pulp, Paper & Paperboard	× V	No	EPA-HQ-OW-2004-0032-1757
15.2.1	02912	Publication Copyrighted Material	Smurfit-Stone: History - DCN 02912	Smurfit-Stone Container Corporation	2	Smurfit- Stone Container Corporation	01/01/2005	<http: www.smurfit-<br="">stone.com/content/o urcompany/history/&gt;</http:>	Pulp, Paper & Paperboard	× V	No	EPA-HQ-OW-2004-0032-1760
15.2.1	02913	Publication Copyrighted Material	Smurfit-Stone to Demolish Port St. Joe Paper Mill; Demolition to Begin Spring 2002 - DCN 02913		1	Smurfit- Stone Container Corporation	04/08/2002	<http: www.smurfit-<br="">stone.com/content/n ews/news_126.asp&gt;</http:>	Pulp, Paper & Paperboard	× V	No	EPA-HQ-OW-2004-0032-1763
15.2.1	02914	Publication Other Government	Form 10-K: Annual Report Pursuant to Section 13 or 15(d) of the Securities Exchange Act of 1934 for the Fiscal Year Ended December 31, 2004: Smurfit-Stone Container Enterprises, Inc DCN 02914		84	Smurfit- Stone Container Enterprises	03/08/2005	<http: archi<br="" sec.gov="">ves/edgar/data/9461 0/000110465905009 923/0001104659-05- 009923-index.htm&gt;</http:>	Pulp, Paper & Paperboard	k 🗌	No	EPA-HQ-OW-2004-0032-1469

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15.2.1	02915	Publication Other Government	Form 20-F: Annual Report Pursuant to Section 13 or 15(d) of the Securities Exchange Act of 1934 for the Year Ended December 31, 2002: Stora Enso OYJ (Stora Enso Corporation) - DCN 02915		184	Stora Enso Corporation	06/25/2004	<http: archi<br="" sec.gov="">ves/edgar/data/1120 557/0001021408030 09117/0001021408- 03-009117- index.htm&gt;</http:>	Pulp, Paper & Paperboard	\$ 🗌	No	EPA-HQ-OW-2004-0032-1470
15.2.1	02916	Publication Copyrighted Material	Sun CAmerican Petroleum Institutetal Partners, Inc DCN 02916		1	Sun Capital Partners	01/01/2005	<http: www.suncapp<br="">art.com/&gt; (page has been updated)</http:>		& <b>V</b>	No	EPA-HQ-OW-2004-0032-1765
15.2.1	02917	Publication Copyrighted Material	Smart Papers Adds Two Plants - DCN 02917		1	Cincinnati Enquirer	01/08/2005	<http: www.suncapp<br="">art.com/index.php4? page=news&amp;article= 77&gt;</http:>	Pulp, Paper & Paperboard	à 🔽	No	EPA-HQ-OW-2004-0032-1769
15.2.1	02918	Publication Copyrighted Material	Annual Report 2001 - DCN 02918		68	Tembec	01/01/2002			à 🔽	No	EPA-HQ-OW-2004-0032-1772
15.2.1	02919	Publication Copyrighted Material	Corporate Restructuring - DCN 02919		16	Timber Mart- South	10/01/2002	Timber Mart-South: Market Newsletter 7(4):5. <http: www.tmart-<br="">south.com/tmart/pdf/ Qtr04Q02news.pdf&gt;</http:>	Pulp, Paper & Paperboard	x ▼	No	EPA-HQ-OW-2004-0032-1775
15.2.1	02921	Publication Other Government	Form 10-K: Annual Report Pursuant to Section 13 or 15(d) of the Securities Exchange Act of 1934 for the Fiscal Year Ended December 26, 2004: Weyerhaeuser Company - DCN 02921		180	Weyerhaeus er Company	03/03/2005	<http: archi<br="" sec.gov="">ves/edgar/data/1065 35/00011931250504 1798/0001193125- 05-041798- index.htm&gt;</http:>	Pulp, Paper & Paperboard	\$ []	No	EPA-HQ-OW-2004-0032-1471

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15.2.1	02922	Publication Copyrighted Material	Form 10-K: Annual Report Pursuant to Section 13 or 15(d) of the Securities Exchange Act of 1934 for the Fiscal Year Ended December 26, 2004: Weyerhaeuser Company - DCN 02922		84	Weyerhaeus er Company	03/03/2005	<http: archi<br="" sec.gov="">ves/edgar/data/1065 35/00011931250504 1798/0001193125- 05-041798- index.htm&gt;</http:>	Pulp, Paper & Paperboard	& <b>V</b>	No	EPA-HQ-OW-2004-0032-1778
15.2.1	02923	Publication Copyrighted Material	May 2005: Trying to Get Traction - DCN 02923		81	Wilde, Mark, and Christopher Chun	05/10/2005	Dr. Paper's Monthly. Industry Update. Deutsche Bank Securities, Inc.	Pulp, Paper & Paperboard	& 🗹	No	EPA-HQ-OW-2004-0032-1780
15.2.1	02924	Publication Copyrighted Material	Back to Work - DCN 02924	In a state where mills are often downsizing or closing, Lincoln Paper and Tissue's successful first year is sweet indeed.	g 6	Woelflein, Mike	06/01/2005	<http: www.bangorm<br="">etro.com/media/Ban gor-Metro/June- 2005/Back-to-Work/&gt;</http:>		& 🗸	No	EPA-HQ-OW-2004-0032-1784
15.2.1	02925	Publication Copyrighted Material	2005's Companies to Watch - DCN 02925	International Paper, Stora Enso, SCA, Abitibi, and Koch Cellulose	10	Ferguson, Kelly	02/01/2005	Pulp & Paper. February 2005. <http: www.ppponlin<br="">e.com/db_area/archi ve/p_p_mag/2005/00 2/02.html&gt;</http:>	Pulp, Paper & Paperboard	& 🗸	No	EPA-HQ-OW-2004-0032-1786
15.2.1	02926	Publication Copyrighted Material	Papers: Snowflake - DCN 02926	A profile of the Snowflake paper mill.	1	Abitibi- Consolidated Inc.		<www.abitibiconsolid ated.com/ACEwebsit eV3.nsf/Site/en/pape rs/newsprint/snowfla ke.html&gt; (page no longer exists)</www.abitibiconsolid 		& 🗸	No	EPA-HQ-OW-2004-0032-1788
15.2.1	02927	Publication Other Government	Bowater: Number of Employees - DCN 02927	Excepts from Form 10-K: Annual Report Pursuant to Section 13 or 15(d) of the Securities Exchange Act of 1934 for the Fiscal Year Ended December 2004: Bowater Inc.	4	Weyerhaeus er Company	03/30/2005	http://sec.gov/Archiv es/edgar/data/74336 8/000095014405002 561/g93753e10vk.ht m		\$ []	No	EPA-HQ-OW-2004-0032-1472

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15.2.1	02928	Report	Kimberly-Clark: Number of Employees - DCN 02928	Hoovers Company Profile	2	Hoovers A D&B Company	05/24/2005	<http: www.hoovers.c<br="">om/free/co/factsheet. xhtml?ID=10856&amp;mo de=print&gt;</http:>		& 🗌	No	EPA-HQ-OW-2004-0032-1686
15.2.1	02929	Publication Other Government	MeadWestvaco: Number of Employees - DCN 02929	Form 10-K: Annual Report Pursuant to Section 13 or 15(d) of the Securities Exchange Act of 1934 for the Fiscal Year Ended December 2004: MeadWestvaco Corporation.	79	Mead Westvaco Coporation	03/16/2005	http://www.sec.gov/A rchives/edgar/data/1 159297/0001193125 05052095/00011931 25-05-052095.txt		k 🗌	No	EPA-HQ-OW-2004-0032-1473
15.2.1	02930	Report	Form 10-K: Annual Report Pursuant to Section 13 or 15(d) of the Securities Exchange Act of 1934 for the Fiscal Year Ended December, 2004: P.H. Glatfelter Company - DCN 02930		62	P.H. Glatfelter Company	03/03/2005	http://www.glatfelter. com/e/InvestorRelati ons/2004-10K.pdf		<b>k</b>	No	EPA-HQ-OW-2004-0032-1697
15.2.1	02931	Publication Copyrighted Material	Pope & Talbot: Number of Employees - DCN 02931	Hoovers Company Profile	3	Hoovers A D&B Company	06/07/2005	http://beta.hoovers.c om/pope-&-talbot/ ID11199/free-co- factsheet.xhtml	Pulp, Paper & Paperboard	& <b>V</b>	No	EPA-HQ-OW-2004-0032-1708
15.2.1	02932	Publication Other Government	Form 10-K: Annual Report Pursuant to Section 13 or 15(d) of the Securities Exchange Act of 1934 for the Fiscal Year Ended December 31, 2004, Potlatch Corporation - DCN 02932		111	Potlatch Corporation	01/18/2005	http://www.sec.gov/A rchives/edgar/data/7 9716/000119312505 007124/0001193125 -05-007124.txt		& 🗆	No	EPA-HQ-OW-2004-0032-1474
15.2.1	02933	Report	Gulf States asset sale to Rock-Tenn completed - DCN 02933	ERG used this source to add 450 employees to Rock-Tenn count to reach 8,800.	6	Gulf States Paper Corporation	06/06/2005	http://www.gulf- states.com/gspcsite_ pages/saleinfo/news _release_1.html	Pulp, Paper & Paperboard	& 🗌	No	EPA-HQ-OW-2004-0032-1539

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15.2.1	02934	Study	Rock-Tenn: Number of Employees - DCN 02934	Hoovers Company Profile	1	Hoovers A D&B Company	06/07/2005	<http: www.hoovers.c<br="">om/free/co/factsheet. xhtml?ID=41960&amp;mo de=print&gt;</http:>		k 🗌	No	EPA-HQ-OW-2004-0032-1540
15.2.1	02935	Report	Simpson to move its HQ to Tacoma - DCN 02935	Number of employees at Simpson Investment	1	Virgin, Bill	09/17/2003	Seattle Post- Intelligencer Reporter. <http: seattlepi.nwso<br="">urce.com/business/1 29937_simpson17.ht ml&gt;</http:>	Pulp, Paper & Paperboard	k 🗌	No	EPA-HQ-OW-2004-0032-1567
15.2.1	02936	Report	Parsons & Whittemore - DCN 02936	Hoovers Company Profile	2	Hoovers A D&B Company	06/06/2005	http://www.hovers.co m/free/co/factsheet.x html?ID=40356&mod e=print		k 🗌	No	EPA-HQ-OW-2004-0032-1568
15.2.1	02937	Publication Copyrighted Material	Wausau-Mosinee: Number of Employees - DCN 02937	Hoovers Company Profile	2	Hoovers A D&B Company	06/07/2005	http://beta.hoovers.c om/wausau- mosinee-paper/ ID_15126/free-co- factsheet.xhtml	Pulp, Paper & Paperboard	k 🗸	No	EPA-HQ-OW-2004-0032-1617
15.2.2	03197	Other	Current Fish Consumption Advice and Advisories in North Carolina - DCN 03197		6	North Carolina, DHHS	05/11/2006	http://www.epi.state. nc.us/epi/fish/current .html (Accessed 5/11/06)			No	EPA-HQ-OW-2004-0032-1494
15.2.2	03198	Other	Basinwide Planning Program: DRAFT May 2006 Roanoke River Basinwide Water Quality Plan. Chapter 9 - DCN 03198	Roanoke River Subbasin 03-02-09 Including: Roanoke River, Conoho Creek, Sweetwater Creek, Devils Gut, Hardison M Creek and Welch Creek.		North Carolina, DWQ	05/01/2006	http://h2o.enr.state.n c.us/basinwide/Roan oke2006.htm (Accessed 5/1/06)			No	EPA-HQ-OW-2004-0032-1495

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15.2.2	03199	Publication USEPA	North Carolina NPL/NPL Caliber Cleanup Site Summaries - DCN 03199		3	US EPA	06/08/2006	http://www.epa.gov/r egion4/waste/npl/npl nc/weyplync.htm (Accessed 6/8/06)			No	EPA-HQ-OW-2004-0032-1496
15.2.2	03200	Publication Other Government	Basinwide Planning Program: 2002 Chowan River Basinwide Water Quality Plan. Chapter 4 - Water Quality Issues Related to the Entire Chowan River Basin - DCN 03200		18	North Carolina, DWQ	07/01/2002	http://h2o.enr.state.n c.us/basinwide/chow an/2002/Plan.htm, (Accessed 6/7/06)			No	EPA-HQ-OW-2004-0032-1497
15.2.2	03201	Publication Other Government	State Lifts Dioxin Advisory for Game Fish in Roanoke River, Albemarle Sound, and Welch Creek - DCM 03201		2	North Carolina, DHHS	10/10/2001	http://www.dhhs.stat e.nc.us/pressrel/10- 10-01a.htm			No	EPA-HQ-OW-2004-0032-1498
15.2.2	03209	Data	Advisory Report Query - DCN 03209	Searchable database on fish consumption advisories in the US	n 2	US EPA	05/10/2006	http://oaspub.epa.go v/nlfwa/nlfwa.bld_qry			No	EPA-HQ-OW-2004-0032-1499.9
15.2.2	03210	Analysis	Dioxin Monitoring Program 2005 Report - DCN 03210		37	Maine, DEP	04/01/2006				No	EPA-HQ-OW-2004-0032-1500
15.2.2	03211	Publication Other Government	WARNING About Eating Freshwater Fish - DCN 03211	The state of Maine's webpage on fish consumption advisories.	2	Maine, E&OHP	05/10/2006	http://www.maine.go v/dhhs/eohp/fish/2KF CA.htm			No	EPA-HQ-OW-2004-0032-1501

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15.2.2	03212	Publication Other Government	New Hampshire Fish Consumption Guidelines - DCN 03212	The state of New Hampshire's webpage of fish consumption advisories	n 2	New Hampshire, Fish & Game Dept	05/10/2006	http://www.wildlife.st ate.nh.us/Fishing/fish _consumption.htm			No	EPA-HQ-OW-2004-0032-1536
15.2.2	03213	Publication Other Government	Listing of Waterbodies with Advisories or Bans - DCN 03213	The state of Texas's webpage on fish consumption advisories.	2	Texas, DSHS		http://www.dshs.state .tx.us/seafood/FishC onsump.shtm			No	EPA-HQ-OW-2004-0032-1502
15.2.2	03221	Letter, Memorandum, Email	Email to Amy Upgren, EPA/EAD - DCN 03221	Email from Shannon Soileau, Environmen Health Scientist Supervisor, Louisiana Department of Health and Hospitals, Office of Public Health, Section of Environmental Epidemiology and Toxicology. Email explains LA's dioxin action level for fish consumption advisories.	e	Soileau, Shannon	06/09/2006				No	EPA-HQ-OW-2004-0032-1503
15.2.2	03222	Letter, Memorandum, Email	Email to Amy Upgren, EPA/EAD - DCN 03222	Email from Chris Piehler, Senior Environmental Scientist, Louisiana Department of Environmental Quality.	1	Piehler, Chris	06/06/2006				No	EPA-HQ-OW-2004-0032-1504
15.2.2	03223	Other	Phone conversation between Amy Upgren, EPA/EAD and Barry Mowers, Maine Department of Environmental Protection - DCN 03223		1	Upgren, Amy, U.S. EPA	02/21/2006				No	EPA-HQ-OW-2004-0032-1505
15.2.2	03224	Letter, Memorandum, Email	Email to Amy Upgren, EPA/EAD - DCN 003224	Email from Barry Mowers, Maine Department of Environmental Protection.	3	Mowers, Barry	06/08/2006				No	EPA-HQ-OW-2004-0032-1790

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15.2.2	03225	Other	Phone conversation between Amy Upgren, EPA/EAD and David Wade, Director, Division of Environmental and Occupational Epidemiology, Michigan Department of Community Health - DCN 03225		1	Upgren, Amy, U.S. EPA	05/07/2006				No	EPA-HQ-OW-2004-0032-1506
15.2.2	03890	Meeting or Teleconference Materials	Notes of Telephone Conversation between Henry Folmar, Laboratory Director, Mississippi Department of Environmental Quality, Field Services Division and Amy Upgren, Environmental Assessor, U.S. EPA - DCN 03890	Background on Mississippi's fish consumption advisories for dioxin.	1	Upgren, Amy, U.S. EPA	06/07/2006		Pulp, Paper 8 Paperboard		No	EPA-HQ-OW-2004-0032-2253
15.2.2	03891	Meeting or Teleconference Materials	Notes of Telephone Conversation between Candy Schrank, Environmental Toxicologist, Wisconsin Department for Natural Resources and Amy Upgren, Environmental Assessor, U.S. EPA - DCN 03891	Background on Wisconsin's fish consumption advisories for dioxin.	1	Upgren, Amy, U.S. EPA	04/14/2006		Pulp, Paper 8 Paperboard		No	EPA-HQ-OW-2004-0032-2254
15.2.2	03892	Meeting or Teleconference Materials	Notes of Telephone Conversation between Pamela Waldman Schnepper, Toxicologist, Environmental Health Program, New Hampshire Department of Environmental Services and Amy Upgren, Environmental Assessor, U.S. EPA - DCN 03892	Background on New Hampshire's fish consumption advisories for dioxin.	1	Upgren, Amy, U.S. EPA	06/12/2006		Pulp, Paper 8 Paperboard		No	EPA-HQ-OW-2004-0032-2255
15.2.2	03893	Meeting or Teleconference Materials	Notes of Telephone Conversation between Larry Koenig, Project Manager, TMDL Program, Texas Commission on Environmental Quality and Amy Upgren, Environmental Assessor, U.S. EPA - DCN 03893	Information on dioxin in the Houston Ship Channel.	1	Upgren, Amy, U.S. EPA	06/07/2006		Pulp, Paper 8 Paperboard		No	EPA-HQ-OW-2004-0032-2256
15.2.2	03894	Meeting or Teleconference Materials	Notes on Telephone Conversation between Kirk Wiles, Manager, Seafood and Aquatic Life Group, Texas Department of State Health Services and Amy Upgren, Environmental Assessor, U.S. EPA - DCN 03894	Background on Texas's fish consumption advisories for dioxin.	1	Upgren, Amy, U.S. EPA	05/12/2006		Pulp, Paper 8 Paperboard	. 🗆	No	EPA-HQ-OW-2004-0032-2257

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15.2.2	03895	Publication Other Government	Chowan River Basinwide Water Quality Management Plan - DCN 03895	North Carolina Division of Water Quality (DWQ) prepared the Chowan Basinwide Water Quality Management Plan, (Chowar Plan) the fourteenth in a series of basinwid water quality management plans that will b prepared by DWQ for all seventeen of the state's major river basins by the year 1998	n le e	North Carolina, DWQ	06/09/2006	http://h2o.enr.state.n c.us/basinwide/chow an/chowan_wq_man agement_plan.htm (accessed 6/9/06).	Pulp, Paper & Paperboard	\$ []	No	EPA-HQ-OW-2004-0032-2258
15.2.2	03896	Other	Chapter 9 - Roanoke River Subbasin 03-02-09 - DCN 03896	Includes the lowest portion of the Roanoke River and tributaries	e 6				Pulp, Paper & Paperboard	¥ 🗌	No	EPA-HQ-OW-2004-0032-2259
15.2.2	03897	Publication Other Government	Dioxin Levels in Pigeon River Fish 1996 - 2002 - DCN 03897	In April 1989, the State of Tennessee issue a "do not consume" advisory on all fish in the Pigeon River due to dioxin contamination. The advisory covered the river from the North Carolina-Tennessee state -line downstream to the mouth on the French Broad River (Douglas Reservoir).		Tennessee, DEC	10/01/2002		Pulp, Paper & Paperboard	\$ []	No	EPA-HQ-OW-2004-0032-2260
15.2.2	03898	Meeting or Teleconference Materials	Notes from Telephone Conversation between Luanne Williams, State Toxicologist, North Carolina Division of Public Health and Amy Upgren, Environmental Assessor, U.S. EPA - DCN 03898	Background on North Carolina's current an former fish consumption advisories for dioxin.	nd 1	Upgren, Amy, U.S. EPA	04/18/2006		Pulp, Paper & Paperboard	\$ []	No	EPA-HQ-OW-2004-0032-2261
15.2.2	03899	Letter, Memorandum, Email	Email to Amy Upgren, U.S. EPA - DCN 03899	Androscoggin River NH dioxins fish consumption advisories email from Pam Schnepper, New Hampshire, Department o Environmental Services.	3 of	Schnepper, Pam, New Hampshire, DES	06/07/2006		Pulp, Paper & Paperboard	& 🗆	No	EPA-HQ-OW-2004-0032-2262
15.2.2	03900	Letter, Memorandum, Email	Email to Amy Upgren, U.S. EPA - DCN 03900	Dioxin in the San Jacinto River, Texas. Email from Larry Koenig, TCEQ TMDL.	1	Koenig, Larry, TCEQ TMDL	06/07/2006		Pulp, Paper & Paperboard	<b>a</b>	No	EPA-HQ-OW-2004-0032-2263

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15.2.2	03901	Publication Copyrighted Material	Polychlorinated Dibenzo-p-dioxins and Dibenzofurans in Houston Ship Channel Tissue and Sediment - DCN 03901	Concentrations of polychlorinated dibenzo dioxins (PCDDs) and dibenzofurans (PCDFs) were measured in sediment, catfish, and crab tissue from 45 locations is the Houston Ship Channel in Texas in the Summer of 2002. Concentrations of individual 2378-substituted congeners ranged from 0.1 to 42,000 ng/kg dry wt, fro 0.1 to 230 ng/kg wet wt, and from 0.1 to 26 ng/kg wet wt for sediment, catfish, and cra samples, respectively.	in om 60	Suarez, Monica P., et al.	01/01/2005	ENVIRONMENTAL ENGINEERING SCIENCE 22(6), 2005	Pulp, Paper & Paperboard	s 🗹	No	EPA-HQ-OW-2004-0032-2264
15.2.2	04037	Letter, Memorandum, Email	Memorandum to Shannon Soileau, Louisiana Department of Health and Hospitals - DCN 04037	Risk Assessment for 2,3,7,8-TCDD and 2,3,7,8-TCDF levels in fish from Wham Brake, Bayou Lafourche, and Lake Irwin	3	Hartley, William, Tulane University	11/28/2001		Pulp, Paper & Paperboard	3. 🗌	No	EPA-HQ-OW-2004-0032-2269
15.2.2	04038	Meeting or Teleconference Materials	Notes on Telephone Conversation with Mike Hammers. Wastewater Engineer, Wastewater Permits and Pretreatment Section, Wisconsin Department of Natural Resources and Amy Upgren, USEPA - DCN 04038	Background on Wisconsin's fish consumption advisories for dioxin	1	Upgren, Amy, USEPA	04/14/2006		Pulp, Paper & Paperboard	& 🗌	No	EPA-HQ-OW-2004-0032-2270
15.2.2	04141	Report	Evaluation of the Health Implications of Levels of Polychlorinated Dibenzo-p-Dioxins (dioxins) and Polychlorinated Dibenzofurans (furans) in Fish from Maine Rivers	Comprehensive assessment on the progress in eliminating the discharge of dioxin from bleach kraft pulp mills in Maine	17 e.	Smith, Andrew E. and Frohmberg, Eric	02/25/2004		Pulp, Paper & Paperboard	3. 🗌	No	EPA-HQ-OW-2004-0032-2770
15.3	01723	Publication	Paper Mills Previously Misclassified as Either: Paper/Allied, Not in Phase, or Incorrect SIC Code -DCN 01723		34	Lange, Bryan	03/24/2005		Pulp, Paper & Paperboard	& 🗌	No	EPA-HQ-OW-2004-0032-0551
15.3	01740	Letter, Memorandum, Email	Answers Regarding Johnsonburg - DCN 01740		11	Schaffer, Amy	05/19/2005		Pulp, Paper & Paperboard	&	No	EPA-HQ-OW-2004-0032-0553

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15.3	02244	Letter, Memorandum, Email	PCS - Data Correction - DCN 02244		2	Dailey, Charles R., NewPage Corp	07/27/2005		Pulp, Paper & Paperboard	& 🗆	No	EPA-HQ-OW-2004-0032-0555
15.3	02778	Other	Notes from telephone conversation between Chuck Oxendine, Buckeye Lumberton and Bryan Lange, ERG held on November 30, 2005 - DCN 02778	The Buckeye mill in Lumberton NC report to TRI releases of dioxin based on monitoring data. The data were needed to land apply sludge. Today operations are smaller and the mill no longer meets chemical usage thresholds for TRI report The facility could not provide the data use to estimate the 2002 dioxin releases, but t dioxin congeners in TRI should reflect the discharge.	ng. id the	Lange, Bryan	11/30/2005		Pulp, Paper ≀ Paperboard	¥ 🗆	No	EPA-HQ-OW-2004-0032-1478
15.3	02779	Other	Notes from telephone conversation between Steve Morvant, Graphic Packaging and Bryan Lange, ERG held on December 19, 2005 - DCN 02779	Graphic Packaging in W. Monroe LA reported to TRI discharges of lead and zin based on a water treatment system (WTS factor. They provided additional factors an production data via fax. Factors included metal concentrations in raw materials: woo bark and chips.	) nd	Lange, Byan	12/19/2005		Pulp, Paper & Paperboard	k 🗌	No	EPA-HQ-OW-2004-0032-1479
15.3	02779A1	Other	Fax: Graphic Packing International, Inc., from Steve Morvant - DCN 02779A1		10	) Morvant, Steve	01/09/2006		Pulp, Paper & Paperboard	£ 🗌	No	EPA-HQ-OW-2004-0032-1479.1
15.3	02780	Other	Notes from telephone conversation between Randy Boone, International Paper and Bryan Lange, ERG held on November 29, 2005 - DCN 02780	International Paper in Selma AL reported in TRI releases of lead based on measurements collected for a NPDES permit re-application. The lead concentration was <0.025-ppm. Mr. Boom used 1/2 the detection limit and an approximate annual flow rate to calculate the discharge. The mill attributes lead releases to purchased bark, but has no dat to confirm this supposition.	ne	Lange, Bryan	11/29/2005		Pulp, Paper & Paperboard	& 🗌	No	EPA-HQ-OW-2004-0032-1480

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15.3	02781	Other	Notes from telephone conversation between Bill Reilley, Marcal Paper and Bryan Lange, ERG held on November 28, 2005 - DCN 02781	The Marcal Paper mill in Elmwood Park Na reported to TRI releases of dioxin and diox like compounds estimated using daily measurement of solids delivered to the POTW. Analysis of manufactured products showed a small amount of dioxin and dioxi like compounds. The mill assumes wastewater stream solids contain product residuals and dioxin and dioxin-like compounds.	in-	Lange, Bryan	11/28/2005		Pulp, Paper & Paperboard	\$ []	No	EPA-HQ-OW-2004-0032-1481
15.3	02782	Other	Notes from telephone conversation between Kevin Kangas, SAPPI and Bryan Lange, ERG held on November 19, 2005 - DCN 02782	The SAPPI mill in Cloquet MN reported to TRI releases of dioxin and dioxin-like compounds and manganese based on NCASI emission factors from the SARA Handbook. The NCASI dioxin data (Table 14) presents a range, SAPPI assumed all releases were OCDD, at a concentration a the lower end of the range given in the NCASI data set.	2 t	Lange, Bryan	11/28/2005		Pulp, Paper & Paperboard	&	No	EPA-HQ-OW-2004-0032-1482
15.3	02782A1	Data	SAPPI, Cloquet MN2002 - TRI estimates for Dioxin/Furan and Mn in Wastewater - DCN 02782A1		1	Lange, Bryan			Pulp, Paper & Paperboard	&	No	EPA-HQ-OW-2004-0032-1482.1
15.3	02782A2	Letter, Memorandum, Email	2002 TRI Questions - DCN 02782A2		6	Kangas, Kevin	01/20/2006		Pulp, Paper & Paperboard	&	No	EPA-HQ-OW-2004-0032-1482.2
15.3	02783	Other	Notes from telephone conversation between Ken Hardesty, Smart Papers and Bryan Lange, ERG held on November 11, 2005 - DCN 02783	Smart Papers in Hamilton OH reported to TRI releases of dioxin and dioxin-like compounds based on the annual solids delivered to the POTW. An analysis of sludge showed a non-detect (ND) for total TCDD. The detection level (1.4 pg/g) was used to calculate the final dioxin discharge amount of 0.00099 grams in 2002.	1	Lange, Bryan	11/28/2005		Pulp, Paper & Paperboard	\$ 🗆	No	EPA-HQ-OW-2004-0032-1483

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15.3	02783A1	Letter, Memorandum, Email	2002 Reporting Year Dioxin Release Information Request - DCN 02783A1		4	Hardersty, Kenneth L.	01/20/2006		Pulp, Paper & Paperboard	& 🗌	No	EPA-HQ-OW-2004-0032-1483.1
15.3	02783A2	Letter, Memorandum, Email	Letter to Ken Hardesty, Smart Papers LLC - DCN 02783A2	Request for information about 2002 dioxir and dioxin-like compound wastewater releases reported to TRI.	n 6	James, Felicia, EPA/EAD	01/06/2006		Pulp, Paper & Paperboard	& 🗆	No	EPA-HQ-OW-2004-0032-1483.2
15.3	02784	Other	Notes from telephone conversation between Jack Kirkland, Smurfit-Stone and Bryan Lange, ERG held on November 28, 2005 - DCN 02784	The Smurfit-Stone mill in Brewton AL reported to TRI releases of manganese based on data collected for a NPDES per re-application, Form 2C. They estimated releases of dioxin and dioxin-like compounds using the NCASI SARA Handbook, Table 14.	1 mit	Lange, Byan	11/28/2005		Pulp, Paper & Paperboard	& 🗆	No	EPA-HQ-OW-2004-0032-1484
15.3	02785	Letter, Memorandum, Email	Email to Jack Kirkland, Smurfit-Stone and Bryan Lange, ERG sent on November 28, 2005 - DCN 02785	The Smurfit-Stone mill in Panama City FL reported to TRI releases of lead, manganese, and dioxin and dioxin-like compounds, all estimated using the NCAS SARA Handbook emission factors.		Lange, Bryan	11/28/2005		Pulp, Paper & Paperboard	\$ 🗌	No	EPA-HQ-OW-2004-0032-1485
15.3	02786	Other	Notes from telephone conversation between William Bertrand, Domtar and Bryan Lange, ERG held on November 9, 2005 - DCN 02786	Domtar in Ashdown AR reported to TRI releases of dioxin and dioxin-like compounds (Dioxin&DLC) in 2003 that we much greater than the releases reported i 2002. In 2002, Domtar estimated Dioxin&DLC releases using the NCASI SARA Handbook emission factors. In 200 Domtar analyzed the bleach plant effluent for Dioxin&DLC and used the results to estimate the 2003 releases reported to TF Domtar estimated releases of manganese zinc, and vanadium using chemical analys of mill effluent.	n 3, : : ;	Lange, Bryan	11/09/2005		Pulp, Paper & Paperboard	\$	No	EPA-HQ-OW-2004-0032-1486

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15.3	02786A1	Letter, Memorandum, Email	TRI Resonableness Checks, Domtar Ashdown, AR - DCN 02786A1		3	Harvey, Holly B.	01/12/2006		Pulp, Paper & Paperboard		No	EPA-HQ-OW-2004-0032-1486.1
15.3	02787	Other	Notes from telephone conversation between Dale Herendeen, Bowater Catawaba SC and Bryan Lange, ERG held on February 27, 2006 - DCN 02787	ERG contacted Bowater to give them an opportunity to provide a dioxin congener distribution representing the operation of their ECF fiber line. Bowater provided results of analysis of wastewater effluent samples taken on April 19, 2005, after the start of the new fiber line. The mill request that for 2003 dioxin distribution, EPA use average of the 2001 sample for 8 months and the 2005 sample for 4 months.	ted an	Lange, Bryan	02/27/2006		Pulp, Paper & Paperboard		No	EPA-HQ-OW-2004-0032-1487
15.3	02787A1	Letter, Memorandum, Email	TRI Dioxin Distribution 2003/2004, Bowater, Catawba, South Carolina - DCN 02787A1		4	Herendeen, Dale	02/23/2006		Pulp, Paper 8 Paperboard		No	EPA-HQ-OW-2004-0032-1487.1
15.3	03087	Letter, Memorandum, Email	Notes from telephone conversation between Don Krug, Graphic Packaging and Bryan Lange, ERG held on January 4, 2006 DCN 03087	Graphic Packaging in Kalamazoo MI reported 2002 transfers to their POTW of 52,763 lbs of potassium dimethyl-dithio- carbamate. They did not report releasing the pollutant in 2003. ERG confirmed that Graphic Packaging changed from the us of a carbamate biocide to kills anaerobic microorganisms to the use of bleach and not use carbamate above TRI reporting thresholds in 2003 or thereafter.	of	Lange, Bryan	01/04/2006		Pulp, Paper & Paperboard		No	EPA-HQ-OW-2004-0032-1488
15.3	03088	Letter, Memorandum, Email	Notes from telephone conversation between Jeff Sorenson, Boise Cascade and Bryan Lange, ERG held on December 19, 2005 DCN 03088	Boise Cascade in St. Helens OR reported TRI releases of manganese and dioxin. Discharges reported in 2002 were based of chemical analysis of wastewater samples Boise Cascade provided a spreadsheet w concentration data and a dioxin congener distribution.	on S. rith	Lange, Bryan	12/19/2005		Pulp, Paper & Paperboard		No	EPA-HQ-OW-2004-0032-1489

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15.3	03140	Data	Discharge Monitoring Report Data for Brunswick Cellulose, Brunswick, GA for 2002 - DCN 03140	Table of DMR data for Brunswick Cellulos TKN.	e 2	Wolford, Jessica, ERG	03/06/2006		Pulp, Paper & Paperboard	£ 🗌	No	EPA-HQ-OW-2004-0032-1490
15.3	03141	Meeting or Teleconference Materials	Telephone Conversation between Mindy Overly, Brunswick Cellulose, Brunswick, GA - DCN 03141	Clarification of outfall descriptions and nutrient monitoring for Brunswick Cellulose	1 e.	Wolford, Jessica, ERG	02/08/2006		Pulp, Paper & Paperboard	£ 🗌	No	EPA-HQ-OW-2004-0032-1491
15.3	03142	Meeting or Teleconference Materials	Telephone Conversation between Mike Juszynski, Brunswick Cellulose, Brunswick, GA - DCN 03142	Brunswick Cellulose clarification of outfall descriptions and nutrient monitoring.	4	Wolford, Jessica, ERG	03/07/2006		Pulp, Paper & Paperboard	& 🗆	No	EPA-HQ-OW-2004-0032-1492
15.3	03268	Letter, Memorandum, Email	Email to Bryan Lange, ERG - DCN 03268	Kimberly-Clark in Everett WA reported to TRI releases dioxin and dioxin like compounds. Discharges reported in 2002 were 8.19 grams of dioxin and in 2003 tha number decreased to 3.001 grams. The value reported in 2003 was lower than 200 due to a new Bleach Plant emission factor and the improved performance of the hogfuel boiler's fly ash handling system. T mill also provided 2002 dioxin congener distribution for reported releases to water.	t )2 he	Ketchum, Jim	01/20/2006		Pulp, Paper & Paperboard	k 🗌	No	EPA-HQ-OW-2004-0032-2197
15.3	03269	Letter, Memorandum, Email	Email to Bryan Lange, ERG - DCN 03269	Kimberly-Clark in Everett WA provided 200 dioxin congener distribution for reported releases to water.	03 2	Ketchum, Jim	02/14/2006		Pulp, Paper & Paperboard	<b>x</b>	No	EPA-HQ-OW-2004-0032-2198

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15.3	03270	Letter, Memorandum, Email	Email to Bryan Lange, ERG - DCN 03270	Kimberly-Clark in Everett WA provided additional information with respect to dioxi discharges reported to TRI 2002. The hog fuel boiler's baghouse ash system is the principal source of the Dioxins. The relatively low-flow ash clarifier overflow stream has been found to contain low concentrations of dioxin and dioxin-like compounds.	n	Ketchum, Jim	04/14/2006		Pulp, Paper & Paperboard	k 🗌	No	EPA-HQ-OW-2004-0032-2199
15.3	03295	Letter, Memorandum, Email	Notes from telephone conversation between Lou Raasch, Weyerhaeuser mill in Kingsport TN and Bryan Lange, ERG - DCN 03295	Weyerhaeuser's Kingsport TN mills's NPDES permit requires the mill measure and report a final effluent and bleach plant effluent congener distribution biannually. Dioxin distributions analysis laboratory reports were provided for the years 2002 and 2003.	6	Lange, Bryan	05/30/2006		Pulp, Paper & Paperboard	& 🗆	No	EPA-HQ-OW-2004-0032-2216
15.3	03302	Letter, Memorandum, Email	Notes from telephone conversation between Jack W. O'Grady, Bowater mill in Calhoun TN and Bryan Lange, ERG - DCN 03302	O'Grady from Bowater Calhoun TN mill provided congener data for both the intake stream and an effluent sample collected ir January 2000. Bowater used these data to estimate 2002, 2003 and 2004 TRI discharges.		Lange, Bryan	05/30/2006		Pulp, Paper & Paperboard	& 🗆	No	EPA-HQ-OW-2004-0032-2222
15.3	03362	Analysis	EPA calls regarding missing PCS data for Pulp and Paper Mills - DCN 03362	In 2006, EPA contacted permitting agencii to determine why mill monitoring data was not available in the PCS database betwee 1998 and 2004. EPA called agencies regarding 36 mills and obtained responses regarding 27 mills.	n	James, Felicia	07/21/2006		Pulp, Paper & Paperboard	& 🗌	No	EPA-HQ-OW-2004-0032-2225
15.3	03364	Letter, Memorandum, Email	Notes from telephone conversation between Bill Evans, Florida DEP and Felicia James, EPA- EAD - DCN 03364	In 2006, EPA contacted permitting agencia to determine why mill monitoring data was not available in the PCS database betwee 1998 and 2004. Florida Department of Environmental Protection (DEP) collected Discharge Monitoring Report (DMR) data and e-mailed in an excel spreadsheet.		James, Felicia	03/10/2006		Pulp, Paper & Paperboard	& 🗌	No	EPA-HQ-OW-2004-0032-2221
15.3	03365	Letter, Memorandum, Email	Notes from telephone conversation between Carrie-Jo Shell, EPA Region 4 and Felicia James, EPA-EAD - DCN 03365	In 2006, EPA contacted permitting agencie to determine why mill monitoring data was not available in the PCS database betwee 1998 and 2004. PCS had bleach plant dat for the Weyhauser-Port Wentworth mill (GA0002798), but none for the IP-Augusta mill.	n a	James, Felicia	03/13/2006		Pulp, Paper & Paperboard	& 🗌	No	EPA-HQ-OW-2004-0032-2237

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15.3	03366	Letter, Memorandum, Email	Notes from telephone conversation between Greg Wood, ME Department of Environment Protection and Felicia James, EPA-EAD - DCN 03366	In 2006, EPA contacted permitting agencito determine why mill monitoring data was not available in the PCS database betwee 1998 and 2004. At this time no data has been collected.	6	James, Felicia	03/01/2006		Pulp, Paper & Paperboard	× 🗆	No	EPA-HQ-OW-2004-0032-2238
15.3	03367	Letter, Memorandum, Email	Notes from telephone conversation between Bob Guerra, NC DWQ and Felicia James, EPA- EAD - DCN 03367	In 2006, EPA contacted permitting agenci to determine why mill monitoring data was not available in the PCS database betwee 1998 and 2004. State experienced difficult uploading certain data to PCS.	s en	James, Felicia	03/13/2006		Pulp, Paper & Paperboard	& 🗆	No	EPA-HQ-OW-2004-0032-2239
15.3	03368	Letter, Memorandum, Email	Notes from telephone conversation between Shayne Mitchell, NYSDEC-Bureau of Water Permits Section Chief and Felicia James, EPA- EAD - DCN 03368	In 2006, EPA contacted permitting agenci- to determine why mill monitoring data was not available in the PCS database betwee 1998 and 2004. Data located in PCS by NYSDEC and EPA.	5	James, Felicia	03/13/2006		Pulp, Paper & Paperboard	× 🗆	No	EPA-HQ-OW-2004-0032-2240
15.3	03369	Letter, Memorandum, Email	Notes from telephone conversation between Don Lutman, Pennsylvania Department of Environment Protection and Felicia James, EPA-EAD - DCN 03369	In 2006, EPA contacted permitting agenci to determine why mill monitoring data was not available in the PCS database betwee 1998 and 2004. Mr. Lutman indicated that the mill's most recent permit was issued in 2004. The prior permit was pre-Cluster Ru and did not all Cluster Rule regulated pollutants.	s en t n	James, Felicia	03/13/2006		Pulp, Paper & Paperboard	k 🗌	No	EPA-HQ-OW-2004-0032-2241
15.3	03370	Letter, Memorandum, Email	Notes from telephone conversation between Brian Wisnewski, South Carolina Quality Control Compliance Section and Felicia James, EPA-EAD - DCN 03370	In 2006, EPA contacted permitting agenci to determine why mill monitoring data was not available in the PCS database betwee 1998 and 2004. South Carolina collected the data and e-mailed it in an excel spreadsheet.	6	James, Felicia	03/21/2006		Pulp, Paper & Paperboard	k 🗌	No	EPA-HQ-OW-2004-0032-2242
15.3	03371	Letter, Memorandum, Email	Notes from telephone conversation between Kyle Winter, VA DEQ and Felicia James, EPA- EAD- DCN 03371	In 2006, EPA contacted permitting agenci to determine why mill monitoring data was not available in the PCS database betwee 1998 and 2004. Virginia collected the data and e-mailed it in an excel spreadsheet.	s en	James, Felicia	03/13/2006		Pulp, Paper & Paperboard	k 🗌	No	EPA-HQ-OW-2004-0032-2243

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15.3	03372	Letter, Memorandum, Email	Letter to Mr. Duane Schuettpelz, Wisconsin Department of Natural Resources - DCN 03372	In 2006, EPA contacted permitting agencie to determine why mill monitoring data was not available in the PCS database between 1998 and 2004. Wisconsin collected the missing data and e-mailed it in an excel spreadsheet.		) James, Felicia	04/05/2006		Pulp, Paper & Paperboard	k 🗌	No	EPA-HQ-OW-2004-0032-2244
15.3	03373	Analysis	Quality review of AOX discharge from Georgia- Pacific in Port Hudson Mill in Zachary, LA DCN 03373	EPA suspects the 1999 AOX discharge fro Georgia-Pacific in Port Hudson Mill in Zachary, LA may also be erroneous because it is a hundred times greater than any other calculated load.		Lange, Bryan, ERG	05/31/2006		Pulp, Paper & Paperboard	k 🗌	No	EPA-HQ-OW-2004-0032-2245
15.3	03683	Letter, Memorandum, Email	Memorandum to Public Record for the 2006 Effluent Guidelines Program Plan: Calculation of a Category-Specific Toxic Weighting Factor for "Dioxin and Dioxin-Like Compounds" Reported Released to EPA's Toxics Release Inventory (TRI) by Pulp, Paper, and Paperboard Mills DCN 03683	Calculation of a Category-Specific Toxic Weighting Factor for "Dioxin and Dioxin-Lik Compounds" Reported Released to EPA's Toxics Release Inventory (TRI) by Pulp, Paper, and Paperboard Mills.	14 ke	Matuszko, J. EPA; Bicknell, B. & Lange, B.	09/12/2006		Pulp, Paper & Paperboard	k 🗌	No	EPA-HQ-OW-2004-0032-2251
15.3	03683A1	Letter, Memorandum, Email	Letter to Water Docket - DCN 03683A1	Comments concerning EPA's Preliminary 2006 Effluent Guidelines Program Plan published in the August 29, 2005 Federal Register and the supporting technical documents related to the plan.	21	Weigand, Paul, VP Water Qual Prog, NCASI	11/28/2005		Pulp, Paper & Paperboard	k 🗌	No	EPA-HQ-OW-2004-0032-2251.1
15.3	03683A2	Data	NCASI Congener Distribution Recalc Sept 14 Spreadsheet - DCN 03683A2	Spreadsheet with calculations of NCASI m dioxin TWFs.	ill O	Lange, Bryan ERG	09/14/2006		Pulp, Paper & Paperboard	k 🗆	No	EPA-HQ-OW-2004-0032-2251.2
15.3	03683A3	Data	Calc of Other Mill TWFs Spreadsheet - DCN 03683A3	Spreadsheet with calculations of Other Mil TWFs.	I 0	Lange, Bryan ERG	09/14/2006		Pulp, Paper & Paperboard	k 🗌	No	EPA-HQ-OW-2004-0032-2251.3

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15.3	03944	Letter, Memorandum, Email	Letter to Stan Miller, SP Newsprint - DCN 03944	Request for additional information.	3	James, Felicia EPA/EAD	12/21/2005		Pulp, Paper & Paperboard	× 🗆	No	EPA-HQ-OW-2004-0032-2266
15.3	03944A1	Letter, Memorandum, Email	Notes from telephone conversation between Jessica Wolford, ERG and Stan Miller, SP Newsprint Co., Newberg, OR - DCN 03944A1	Discussion of 2002 metals releases reported to TRI.	1	Wolford, Jessica, ERG	01/05/2006		Pulp, Paper & Paperboard	k 🗌	No	EPA-HQ-OW-2004-0032-2266.1
15.3	03946	Letter, Memorandum, Email	Notes from telephone conversation between Bill Lee, MD Department of Environment and Felicia James, EPA.EAD - DCN 03946	In 2006, EPA contacted permitting agencie to determine why mill monitoring data was not available in the PCS database betwee 1998 and 2004. Left voicemail message b did not talk to MD DOE.	n	James, Felicia EPA/EAD	03/10/2006		Pulp, Paper & Paperboard	k 🗌	No	EPA-HQ-OW-2004-0032-2267
15.3	03947	Letter, Memorandum, Email	Notes from telephone conversation between Karen Rust, NC DWQ - Washington (Eastern Unit) and Felicia James, EPA.EAD - DCN 03947	In 2006, EPA contacted permitting agencie to determine why mill monitoring data was not available in the PCS database betwee 1998 and 2004. Data were not included du to software incompatability. EPA requeste copies of the DMRs with the AOX data for 2002 to 2004.	n Je ed	James, Felicia EPA/EAD	03/13/2006		Pulp, Paper & Paperboard	k 🗆	No	EPA-HQ-OW-2004-0032-2268
15.4.1	01643	Permit, Registration	State of Wisconsin DNR, Fraser Papers Inc DCN 01643		45	Shea, Al	02/01/2002		Pulp, Paper & Paperboard	k 🗌	No	EPA-HQ-OW-2004-0032-0560
15.4.1	01643A1	Other	Fraser Papers Inc, Park Falls, Permit Fact Sheet - DCN 01643A01		6	Joyce, Daniel	03/14/2001		Pulp, Paper & Paperboard	k 🗌	No	EPA-HQ-OW-2004-0032-0565

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15.4.1	01643A2	Other	Fraser Papers Inc, Park Falls, Addendum to Permit Fact Sheet - DCN 01643A02		10	Hammers, Michael D.	01/21/2002		Pulp, Paper & Paperboard	£ 🗌	No	EPA-HQ-OW-2004-0032-0567
15.4.1	01643A3	Permit, Registration	WPDES Permit from Park Falls, WI mill - DCN 01643A03		2	Zipf, Lynn, EPA/EAD	04/19/2002		Pulp, Paper & Paperboard	£ 🗌	No	EPA-HQ-OW-2004-0032-0568
15.4.1	01644	Permit, Registration	WeyerhaeuserCompany, Modification 02#, Rothschild, WI - DCN 01644		33	Shea, Al	02/01/2003		Pulp, Paper & Paperboard	& 🗌	No	EPA-HQ-OW-2004-0032-0571
15.4.1	01644A1	Other	Weyerhaeuser Company, Modification 01 Permit Information Form - Industrial - DCN 01644A01		4		02/01/2002		Pulp, Paper & Paperboard	& 🗆	No	EPA-HQ-OW-2004-0032-0572
15.4.1	01644A2	Other	Weyerhaeuser Company, Modification 02 Permit Information Form - Industrial - DCN 01644A02		14				Pulp, Paper & Paperboard	& 🗆	No	EPA-HQ-OW-2004-0032-0574
15.4.1	01644A3	Other	Weyerhaeuser Company, Permit Information - Industrial, Rothschild, WI - DCN 01644A03		36				Pulp, Paper & Paperboard	<b>k</b>	No	EPA-HQ-OW-2004-0032-0576

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15.4.1	01644A4	Other	Weyerhaeuser Company, Addendum to Permit Information - Industrial, Rothschild, WI -DCN 01644A04		17		02/01/2001		Pulp, Paper & Paperboard	k 🗌	No	EPA-HQ-OW-2004-0032-0578
15.4.1	01645	Permit, Registration	State of Wisconsin DNR, Wausau-Mosinee Paper Corp, Brokaw Mill - DCN 01645		50	Shea, Al	07/01/2002		Pulp, Paper & Paperboard	k 🗌	No	EPA-HQ-OW-2004-0032-0583
15.4.1	01645A1	Other	Wausau-Mosinee Paper Corp, Brokaw Mill, Permit Fact Sheet & Addendum - DCN 01645A01		27	Hammers, Michael D.			Pulp, Paper & Paperboard	k 🗌	No	EPA-HQ-OW-2004-0032-0585
15.4.1	01646	Permit, Registration	Stora Enso North America, Wisconsin - DCN 01646		45	Shea, Al	08/01/2001		Pulp, Paper 8 Paperboard	k 🗌	No	EPA-HQ-OW-2004-0032-0587
15.4.1	01646A1	Other	Stora Enso North America, Addendum to Permit Information - Industrial, Wisconsin - DCN 01646A01		6		06/01/2001		Pulp, Paper & Paperboard	k 🗌	No	EPA-HQ-OW-2004-0032-0588
15.4.1	01646A2	Other	Stora Enso North America, Wisconsin - DCN 01646A02		63		05/01/2001		Pulp, Paper 8 Paperboard	k 🗌	No	EPA-HQ-OW-2004-0032-0590

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15.4.1	01646A3	Other	Stora Enso Water Quality Center WPDES Permit and Associated Documentation -DCN 01646A03		1	Gilbert, Andy, Stora Enso	04/28/2005		Pulp, Paper & Paperboard	k 🗌	No	EPA-HQ-OW-2004-0032-0592
15.4.1	01647	Permit, Registration	Domtar A.W. Corp - DCN 01647		97	Shea, Al	02/01/2002		Pulp, Paper & Paperboard	k 🗆	No	EPA-HQ-OW-2004-0032-0594
15.4.1	01647A1	Other	Domtar A.W. Corp, Addendum - DCN 01647A01		2		12/01/2001		Pulp, Paper & Paperboard	k 🗌	No	EPA-HQ-OW-2004-0032-0595
15.4.1	01647A2	Other	Domtar A.W. Corp, Permit Information - Industrial - DCN 01647A02		56				Pulp, Paper & Paperboard	k 🗆	No	EPA-HQ-OW-2004-0032-0597
15.4.1	01647A3	Other	Domtar A.W. Corp, Permit Modification 01 Fact Sheet - DCN 01647A03		3				Pulp, Paper & Paperboard	k 🗆	No	EPA-HQ-OW-2004-0032-0599
15.4.1	01647A4	Other	Domtar's Port Edwards and Nekoosa mills in Wisconsin - DCN 01647A04		1	Watson, Andrew			Pulp, Paper & Paperboard	<b>.</b>	No	EPA-HQ-OW-2004-0032-0600

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15.4.1	01647A5	Other	Domtar A.W. Corp, Permit Modification - DCN 01647A05		38	Shea, Al	08/01/2003		Pulp, Paper 8 Paperboard	k 🗌	No	EPA-HQ-OW-2004-0032-0603
15.4.1	01648	Permit, Registration	Alabama Department of Environmental Management, Alabama River Pulp, Inc DCN 01648		41	Johnson, Laurie S.	01/15/2002		Pulp, Paper 8 Paperboard	k 🗌	No	EPA-HQ-OW-2004-0032-0605
15.4.1	01649	Permit, Registration	New York DEC, Finch, Pruyn & Company, Inc DCN 01649		17	Arthur, Philip J.	10/01/2001		Pulp, Paper & Paperboard	k 🗌	No	EPA-HQ-OW-2004-0032-0607
15.4.1	01650	Permit, Registration	Alabama Department of Environmental Management, Gulf States Paper Corp - DCN 01650		77	Hurst, James H.	09/28/2000		Pulp, Paper & Paperboard	× 🗆	No	EPA-HQ-OW-2004-0032-0609
15.4.1	01651	Permit, Registration	International Paper, Courtland Mill, Courtland, AL - DCN 01651		38	Alabama DEM	09/01/2003		Pulp, Paper & Paperboard	k 🗌	No	EPA-HQ-OW-2004-0032-0610
15.4.1	01652	Permit, Registration	Boise Cascade Permit with modification -DCN ALI 01652	0002755	223	Hughes, Edgar K.	11/22/2000		Pulp, Paper & Paperboard	<b>k</b>	No	EPA-HQ-OW-2004-0032-0612

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15.4.1	01653	Permit, Registration	International Paper, Riverdale Mill, Selma, AL - DCN 01653	AL0003018	47	Alabama DEM	08/22/2002		Pulp, Paper & Paperboard	š 🗌	No	EPA-HQ-OW-2004-0032-0614
15.4.1	01654	Permit, Registration	Fort James Pennington Inc DCN 01654		46	Alabama DEM	09/28/2000		Pulp, Paper & Paperboard	& 🗌	No	EPA-HQ-OW-2004-0032-0616
15.4.1	01655	Permit, Registration	Georgia-Pacific Corp, Ashley County, AR, Permit -DCN 01655		51	Arkansas DEQ	07/31/2004		Pulp, Paper & Paperboard	& 🗆	No	EPA-HQ-OW-2004-0032-0618
15.4.1	01655A1	Other	Georgia-Pacific Corp, Ashley County, AR, Fact Sheet - DCN 01655A01		22	Arkansas DEQ	07/31/2004		Pulp, Paper & Paperboard	š 🗌	No	EPA-HQ-OW-2004-0032-0620
15.4.1	01656	Permit, Registration	International Paper, Pine Bluff Mill, Pine Bluff, AR - DCN 01656		53	Bennett, Chuck	06/30/2000		Pulp, Paper & Paperboard	š 🗌	No	EPA-HQ-OW-2004-0032-0622
15.4.1	01657	Permit, Registration	Domtar Industries, Inc., Ashdown Mill - DCN 01657		48	Griffin, Cary	09/30/2001		Pulp, Paper & Paperboard	& 🗌	No	EPA-HQ-OW-2004-0032-0624

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15.4.1	01658	Support Background	Potlatch Corporation, Cypress Bend Mill - DCN 01658		60	Bennett, Chuck	04/01/2000		Pulp, Paper & Paperboard	£ 🗌	No	EPA-HQ-OW-2004-0032-0626
15.4.1	01659	Permit, Registration	Louisiana-Pacific Samoa, Inc., Samoa Pulp Mill - DCN 01659		35	Michin, Lee A.	08/25/2000		Pulp, Paper & Paperboard	£ 🗌	No	EPA-HQ-OW-2004-0032-0628
15.4.1	01660	Permit, Registration	International Paper, Pensacola Mill, Cantonment, FL -DCN 01660		20	Traina, Paul J.	01/03/1983		Pulp, Paper & Paperboard	& 🗆	No	EPA-HQ-OW-2004-0032-0630
15.4.1	01660A1	Other	International Paper, Pensacola Mill, Cantonment, FL, Proposed - DCN 01660A01		37	Fancher, W. Richard	04/01/2005		Pulp, Paper & Paperboard	& 🗆	No	EPA-HQ-OW-2004-0032-0632
15.4.1	01660A2	Other	IP Cantonment (Pensacola) Active Permit - DCN 01660A2		1	Lange, Bryan, ERG	05/24/2005		Pulp, Paper & Paperboard	& 🗆	No	EPA-HQ-OW-2004-0032-0634
15.4.1	01660A3	Other	EPA Request, Pensacola Permit - DCN 01660A3		2	Lynn, Jeff	06/16/2005		Pulp, Paper & Paperboard	& 🗌	No	EPA-HQ-OW-2004-0032-0636

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15.4.1	01661	Support Background	Georgia-Pacific Corp, Palatka Operations - 01661		32	Frey, Ernest E.	08/08/2002		Pulp, Paper & Paperboard	k 🗌	No	EPA-HQ-OW-2004-0032-0639
15.4.1	01661A1	Support Background	Georgia-Pacific Corp, Palatka Operations, Fact Sheet - DCN 01661A01		18	Frey, Ernest E.	08/08/2002		Pulp, Paper & Paperboard	k 🗆	No	EPA-HQ-OW-2004-0032-0640
15.4.1	01662	Permit, Registration	Gilman Paper Company, St. Marys, GA -DCN 01662		34	Georgia DNR	07/31/1998		Pulp, Paper & Paperboard	k 🗌	No	EPA-HQ-OW-2004-0032-0641
15.4.1	01663	Permit, Registration	Weyerhaeuser Company, Port Wentworth Mill, Extension -DCN 01663		24	Word, David M.	08/29/2003		Pulp, Paper & Paperboard	k 🗆	No	EPA-HQ-OW-2004-0032-0643
15.4.1	01663A1	Other	Weyerhaeuser Company, Port Wentworth Mill - DCN 01663A01		20	Creason, Michael S.	07/18/2003		Pulp, Paper & Paperboard	k 🗆	No	EPA-HQ-OW-2004-0032-0645
15.4.1	01663A2	Other	Weyerhaeuser Company, Port Wentworth Mill, Fact Sheet -DCN 01663A02		9	Georgia DNR	07/17/2003		Pulp, Paper & Paperboard	k 🗌	No	EPA-HQ-OW-2004-0032-0648

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15.4.1	01663A3	Other	Weyerhaeuser Company, Port Wentworth Mil, Application - DCN 01663A03		70	Hamilton, Rick	03/03/2003		Pulp, Paper 8 Paperboard	k 🗌	No	EPA-HQ-OW-2004-0032-0650
15.4.1	01664	Permit, Registration	International Paper Company, Augusta Operations, Augusta, GA - DCN 01664		35	Reheis, Harold F.	08/31/2001		Pulp, Paper 8 Paperboard	k 🗌	No	EPA-HQ-OW-2004-0032-0652
15.4.1	01664A1	Other	International Paper Company, Fact Sheet, Augusta Operations, Augusta, GA - DCN 01664A01		12	Georgia DNR	06/06/2001		Pulp, Paper 8 Paperboard	k 🗌	No	EPA-HQ-OW-2004-0032-0653
15.4.1	01665	Other	Georgia-Pacific Corp, Brunswick Pulp Operation, Brunswick, GA - DCN 01665		28	Reheis, Harold F.	08/31/2001		Pulp, Paper 8 Paperboard	k 🗌	No	EPA-HQ-OW-2004-0032-0655
15.4.1	01665A1	Other	Georgia-Pacific Corp, Brunswick Pulp Operation, Brunswick, GA - DCN 01665A01		30	Reheis, Harold F.	12/16/2002		Pulp, Paper 8 Paperboard	k 🗌	No	EPA-HQ-OW-2004-0032-0657
15.4.1	01665A2	Other	Brunswick Cellulose, Inc., Brunswick Pulp Operation, Brunswick, GA - DCN 01665A02		29	Couch, Carol A.	06/07/2004		Pulp, Paper 8 Paperboard	k 🗆	No	EPA-HQ-OW-2004-0032-0659

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15.4.1	01665A3	Other	Georgia-Pacific Corp, Fact Sheet Addendum, Brunswick Pulp Operation, Brunswick, GA - DCN 01665A03		2	Wix, Stacey	08/28/2001		Pulp, Paper & Paperboard	k 🗌	No	EPA-HQ-OW-2004-0032-0661
15.4.1	01665A4	Other	Georgia-Pacific Corp, Application, Brunswick Pulp Operation, Brunswick, GA - DCN 01665A04		48	Jones, W. Wesly	02/26/2001		Pulp, Paper & Paperboard	k 🗆	No	EPA-HQ-OW-2004-0032-0663
15.4.1	01666	Permit, Registration	Weyerhaeuser Company, Draft Flint River Operations, Oglethorpe, GA -DCN 01666		61	Creason, Michael S.	05/28/1997		Pulp, Paper & Paperboard	k 🗌	No	EPA-HQ-OW-2004-0032-0664
15.4.1	01666A1	Other	Weyerhaeuser Company, Flint River Operations, Oglethorpe, GA - DCN 0166A01		17	Reheis, Harold F.	07/18/1997		Pulp, Paper & Paperboard	× 🗆	No	EPA-HQ-OW-2004-0032-0665
15.4.1	01667	Permit, Registration	Potlatch Corp, Lewiston, ID - DCN 01667		71	Gearheard, Michael F.	03/08/2005		Pulp, Paper & Paperboard	k 🗆	No	EPA-HQ-OW-2004-0032-0666
15.4.1	01667A1	Other	Potlatch Corp, Draft Permit, Lewiston, ID -DCN 01667A01		50	Smith, Randall F.	06/01/2003		Pulp, Paper & Paperboard	<b>k</b>	No	EPA-HQ-OW-2004-0032-0667

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15.4.1	01667A2	Other	Potlatch Corp, Fact Sheet, Lewiston, ID - DCN 1667A02		44		06/01/2003		Pulp, Paper & Paperboard	k 🗌	No	EPA-HQ-OW-2004-0032-0668
15.4.1	01668	Permit, Registration	Westvaco Kentucky, LP, Ballard County, KY - DCN 01668		46	Wilson, Jack A.	06/28/2001		Pulp, Paper & Paperboard	k 🗌	No	EPA-HQ-OW-2004-0032-0669
15.4.1	01669	Permit, Registration	Georgia-Pacific Corp, Port Hudson Operations, Zachary, LA -DCN 01669		1	Higgins, Bliss M.	12/10/2001		Pulp, Paper & Paperboard	k 🗌	No	EPA-HQ-OW-2004-0032-0670
15.4.1	01669A1	Other	Georgia-Pacific Corp, Port Hudson Operations, Zachary, LA - DCN 01669A01		37	Higgins, Bliss M.	12/01/2001		Pulp, Paper & Paperboard	k 🗆	No	EPA-HQ-OW-2004-0032-0671
15.4.1	01670	Permit, Registration	International Paper Co., Louisiana Mill, Bastrop, LA - DCN 01670		31	Flores, Miguel I.	12/13/2002		Pulp, Paper & Paperboard	k 🗆	No	EPA-HQ-OW-2004-0032-0672
15.4.1	01670A1	Other	International Paper Co., Fact Sheet, Louisiana Mill, Bastrop, LA -DCN 01670A01		18	Chen, Isaac	08/02/2002		Pulp, Paper & Paperboard	£ 🗌	No	EPA-HQ-OW-2004-0032-0673

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15.4.1	01671	Permit, Registration	Boise Cascade Corp, DeRidder Paper Mill, DeRidder, LA - DCN 01671		34	Becker, Sam	02/22/2002		Pulp, Paper & Paperboard	¥ 🗌	No	EPA-HQ-OW-2004-0032-0674
15.4.1	01672	Permit, Registration	Letter to George Shoemaker, Environmental Manager, Westvaco Corporation/Fine Papers Division from J.L. Hearn, Director, Water Management Administration, Maryland Department of the Environment re: State Discharge Permit (Pretreatment Permit 99-PP- 007) - DCN 01672		43	Hearn, J. L.	04/10/2001		Pulp, Paper & Paperboard	£ 🗌	No	EPA-HQ-OW-2004-0032-0675
15.4.1	01673	Permit, Registration	Upper Potomac River Commission -DCN 01673		22	Hearn, J. L.	04/18/2001		Pulp, Paper & Paperboard	<b>k</b>	No	EPA-HQ-OW-2004-0032-0465
15.4.1	01674	Permit, Registration	Domtar Maine Corp, Baileyville, ME - DCN 01674		75	Wood, Gregg	03/23/2005		Pulp, Paper & Paperboard	£ 🗌	No	EPA-HQ-OW-2004-0032-0467
15.4.1	01675	Permit, Registration	International Paper, Androscoggin Mill -DCN 01675		51	Beaudoin, David	03/28/1994		Pulp, Paper & Paperboard	£ 🗌	No	EPA-HQ-OW-2004-0032-0469
15.4.1	01676	Permit, Registration	Georgia Pacific Corp, Old Town, ME - DCN 01676		34	Wood, Gregg	08/09/2002		Pulp, Paper & Paperboard	& 🗆	No	EPA-HQ-OW-2004-0032-0471

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15.4.1	01676A1	Other	Georgia Pacific Corp, Fact Sheet, Old Town, ME - DCN 01676A01		37		04/02/2002		Pulp, Paper & Paperboard	š 🗌	No	EPA-HQ-OW-2004-0032-0473
15.4.1	01677	Permit, Registration	Status of Mead Westvaco - DCN 01677		1	Wood, Gregg, DEP	08/01/2005		Pulp, Paper & Paperboard	& 🗆	No	EPA-HQ-OW-2004-0032-0475
15.4.1	01677A1	Other	Mead Oxford Corp, Rumford, ME -DCN 01677A01		23	Murphy, Linda	07/18/2005		Pulp, Paper & Paperboard	& 🗌	No	EPA-HQ-OW-2004-0032-0477
15.4.1	01678	Permit, Registration	S.D. Warren Company, Skowhegan, ME -DCN 01678		33	Wood, Gregg	09/12/2003		Pulp, Paper & Paperboard	& 🗆	No	EPA-HQ-OW-2004-0032-0478
15.4.1	01678A1	Other	S.D. Warren Company, Skowhegan, ME - DCN 01678A01		43		04/02/2002		Pulp, Paper & Paperboard	& 🗆	No	EPA-HQ-OW-2004-0032-0481
15.4.1	01679	Permit, Registration	Mead-Escanaba Paper Co, Escanaba, MI - DCN 01679		37	Dell, Daniel	05/19/2003		Pulp, Paper & Paperboard	& 🗆	No	EPA-HQ-OW-2004-0032-0482

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15.4.1	01680	Permit, Registration	Muskegon County Board of Public Works - DCN 01680		34	Eldredge, D. Steven	08/05/2003		Pulp, Paper & Paperboard	<b>k</b>	No	EPA-HQ-OW-2004-0032-0485
15.4.1	01680A1	Other	Muskegon County Board of Public Works - DCN 01680A01		5		06/01/2003		Pulp, Paper & Paperboard	k 🗌	No	EPA-HQ-OW-2004-0032-0487
15.4.1	01681	Permit, Registration	International Paper, Quinnesec Mill, Norway, MI -DCN 01681		31	Creal, William	05/17/2004		Pulp, Paper & Paperboard	¥ 🗌	No	EPA-HQ-OW-2004-0032-0488
15.4.1	01682	Permit, Registration	Boise White Paper, LLC, International Falls Mill, International Falls, MN - DCN 01682		55	Tibbetts, Michael J.	10/21/2004		Pulp, Paper & Paperboard	¥ 🗌	No	EPA-HQ-OW-2004-0032-0491
15.4.1	01683	Permit, Registration	Weyerhaeuser Company, Columbus Pulp and Paper Complex, Columbus, MS -DCN 01683		38	Mississippi EQ Permit Board	12/07/2000		Pulp, Paper & Paperboard	& 🗌	No	EPA-HQ-OW-2004-0032-0493
15.4.1	01683A1	Other	Weyerhaeuser Company, Fact Sheet, Columbus Pulp and Paper Complex, Columbus, MS -DCN 01683A01		3	Mississippi EQ Permit Board	10/10/2000		Pulp, Paper & Paperboard	& 🗌	No	EPA-HQ-OW-2004-0032-0495

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15.4.1	01683A2	Other	Additional info on Columbus Pulp and Paper Complex NPDES Permit - DCN 01683A02		1	Schaffer, Amy	05/03/2005		Pulp, Paper & Paperboard	k 🗌	No	EPA-HQ-OW-2004-0032-0497
15.4.1	01684	Permit, Registration	Weyerhaeuser Paper Company, Plymouth Facility, Martin County -DCN 01684		28	Howard, Preston, Jr.	06/20/1997		Pulp, Paper & Paperboard	k 🗌	No	EPA-HQ-OW-2004-0032-0499
15.4.1	01685	Permit, Registration	Weyerhaeuser Company, New Bern Plant, Vanceboro, NC -DCN 01685		28	Klimek, Alan W.	06/24/2004		Pulp, Paper & Paperboard	k 🗆	No	EPA-HQ-OW-2004-0032-0501
15.4.1	01686	Permit, Registration	International Paper, Riegelwood Mill, Riegelwood, NC -DCN 01686		32	Howard, Preston, Jr.	02/10/1997		Pulp, Paper & Paperboard	k 🗆	No	EPA-HQ-OW-2004-0032-0503
15.4.1	01687	Permit, Registration	International Paper, Ticonderoga Mill, Ticonderoga, NY -DCN 01687		26	McMurray, Michael J.	12/30/2004		Pulp, Paper & Paperboard	k 🗌	No	EPA-HQ-OW-2004-0032-0504
15.4.1	01688	Permit, Registration	MeadWestvaco Corporation, Chillicothe, OH - DCN 01688		34	Jones, Christopher	06/25/2004		Pulp, Paper & Paperboard	k 🗆	No	EPA-HQ-OW-2004-0032-0505

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15.4.1	01689	Permit, Registration	Fort James Operating Company, Wauna Mill, Clatskanie, OR -DCN 01689		29	Mullane, Neil	09/24/2003		Pulp, Paper & Paperboard	k 🗌	No	EPA-HQ-OW-2004-0032-0507
15.4.1	01690	Permit, Registration	Pope & Talbot, Halsey, OR - DCN 01690		14	Downs, Michael	01/01/1993		Pulp, Paper & Paperboard	k 🗆	No	EPA-HQ-OW-2004-0032-0509
15.4.1	01690A1	Other	Pope & Talbot, Fact Sheet, Halsey, OR -DCN 01690A01		18	Oregon DEQ	01/01/1993		Pulp, Paper & Paperboard	k 🗆	No	EPA-HQ-OW-2004-0032-0511
15.4.1	01691	Permit, Registration	City of St. Helens/Boise Cascade Corp - DCN 01691		39	Mullane, Neil	02/06/2004		Pulp, Paper & Paperboard	k 🗆	No	EPA-HQ-OW-2004-0032-0513
15.4.1	01691A1	Other	City of St. Helens/Boise Cascade Corp, Fact Sheet & Permit Evaluation Report - DCN 01691A01		33	Oregon DEQ	06/20/2003		Pulp, Paper & Paperboard	k 🗆	No	EPA-HQ-OW-2004-0032-0514
15.4.1	01692	Permit, Registration	Weyerhaeuser, Johnsonburg Mill, Johnsonburg, PA - DCN 01692		35	Gilson, Ricardo F.			Pulp, Paper & Paperboard	k 🗆	No	EPA-HQ-OW-2004-0032-0515

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15.4.1	01692A1	Other	Weyerhaeuser, Johnsonburg Mill, Johnsonburg, PA - DCN 01692A01		36	Gilson, Ricardo F.			Pulp, Paper & Paperboard	k 🗌	No	EPA-HQ-OW-2004-0032-0517
15.4.1	01692A2	Other	Weyerhaeuser, Fact Sheet, Johnsonburg Mill, Johnsonburg, PA - DCN 01692A02		21	Pennsylvania DEP			Pulp, Paper & Paperboard	k 🗌	No	EPA-HQ-OW-2004-0032-0518
15.4.1	01692A3	Other	Weyerhaeuser, Monitoring Requirements, Johnsonburg Mill, Johnsonburg, PA - DCN 01692A03		20	Pennsylvania DEP			Pulp, Paper & Paperboard	k 🗆	No	EPA-HQ-OW-2004-0032-0519
15.4.1	01693	Permit, Registration	Appleton Papers, Inc., Spring Mill, Roaring Spring, PA - DCN 01693		32	Pennsylvania DEP	10/07/2003		Pulp, Paper & Paperboard	k 🗌	No	EPA-HQ-OW-2004-0032-0520
15.4.1	01693A1	Permit, Registration	Appleton Papers, Inc., Renewal, Spring Mill, Roaring Spring, PA -DCN 01693A01		48	Pennsylvania DEP	11/01/2002		Pulp, Paper & Paperboard	k 🗌	No	EPA-HQ-OW-2004-0032-0522
15.4.1	01693A2	Permit, Registration	Appleton Papers, Inc., Renewal draft 2, Spring Mill, Roaring Spring, PA - DCN 01693A02		43	Pennsylvania DEP	11/01/2002		Pulp, Paper 8 Paperboard	k 🗌	No	EPA-HQ-OW-2004-0032-0523

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15.4.1	01693A3	Permit, Registration	Appleton Papers, Inc., Renewal draft 3, Spring Mill, Roaring Spring, PA - DCN 01693A03		8	Pennsylvania DEP	11/01/2002		Pulp, Paper 8 Paperboard	k 🗌	No	EPA-HQ-OW-2004-0032-0525
15.4.1	01693A4	Permit, Registration	Appleton Papers, Inc., Renewal draft 4, Spring Mill, Roaring Spring, PA - DCN 01693A04		11	Pennsylvania DEP	11/01/2002		Pulp, Paper & Paperboard	k 🗆	No	EPA-HQ-OW-2004-0032-0527
15.4.1	01693A5	Permit, Registration	Appleton Papers, Inc., Application Sampling Effluent, Spring Mill, Roaring Spring, PA - DCN 01693A05		20	Pennsylvania DEP	11/01/2002		Pulp, Paper & Paperboard	k 🗆	No	EPA-HQ-OW-2004-0032-0528
15.4.1	01694	Permit, Registration	P.H. Glatfelter Company, Spring Grove, PA - DCN 01694		35	Oberdick, Leon M.	11/01/2001		Pulp, Paper & Paperboard	k 🗆	No	EPA-HQ-OW-2004-0032-0531
15.4.1	01694A1	Other	P.H. Glatfelter Company, Application Sampling Effluent Spring Grove, PA -DCN 01694A01		37	Pennsylvania DEP			Pulp, Paper & Paperboard	k 🗌	No	EPA-HQ-OW-2004-0032-0533
15.4.1	01695	Permit, Registration	Bowater Inc, Coated Paper Division-Catawba Operation, Catawba, SC - DCN 01695		72	Sadler, Marion F.	11/02/2001		Pulp, Paper & Paperboard	k 🗌	No	EPA-HQ-OW-2004-0032-0534

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15.4.1	01696	Permit, Registration	International Paper, Eastover Mill, Richland County, SC - DCN 01696		35	Sadler, Marion F.	01/23/2003		Pulp, Paper & Paperboard	& 🗆	No	EPA-HQ-OW-2004-0032-0535
15.4.1	01696A1	Other	International Paper, Fact Sheet, Eastover Mill, Richland County, SC - DCN 01696A01		45	South Carolina DHEC	12/13/2002		Pulp, Paper & Paperboard	& 🗆	No	EPA-HQ-OW-2004-0032-0537
15.4.1	01697	Permit, Registration	Weyerhaeuser Company, Marlboro Paper Mill, Bennettsville, SC -DCN 01697		33	Sadler, Marion F.	01/21/2003		Pulp, Paper & Paperboard	& 🗌	No	EPA-HQ-OW-2004-0032-0539
15.4.1	01697A1	Other	Weyerhaeuser Company, Fact Sheet, Marlboro Paper Mill, Bennettsville, SC - DCN 01697A01		46	South Carolina DHEC	12/17/2002		Pulp, Paper & Paperboard	& 🗆	No	EPA-HQ-OW-2004-0032-0541
15.4.1	01698	Permit, Registration	Weyerhaeuser Company, Kingsport, TN - DCN 01698		33	Davis, Paul E.	07/02/2003		Pulp, Paper & Paperboard	£ 🗌	No	EPA-HQ-OW-2004-0032-0543
15.4.1	01698A1	Other	Weyerhaeuser Company, Modification, Kingsport, TN - DCN 01698A01		34	Qualls, Saya Ann	12/31/2003		Pulp, Paper & Paperboard	& 🗌	No	EPA-HQ-OW-2004-0032-0545

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15.4.1	01698A2	Other	Weyerhaeuser Company, Fact Sheet, Kingsport, TN - DCN 01698A02		9		12/02/2003		Pulp, Paper 8 Paperboard	k 🗌	No	EPA-HQ-OW-2004-0032-0548
15.4.1	01699	Permit, Registration	International Paper Company, Texarkana Mill, Domino, TX - DCN 01699		36		10/11/1991		Pulp, Paper & Paperboard	k 🗌	No	EPA-HQ-OW-2004-0032-0550
15.4.1	01700	Permit, Registration	Letter to Mr. Edward F. Harrington, Westvaco Corporation, from Dan M. Neal II, Manager, Permits Administrative Review Section, Registration, Review, and Reporting Division, Texas Natural Resources Conservation Commission (TNRCC), re: Transfer of Permit - DCN 01700		50	Neal, Dan M., II	11/12/2001		Pulp, Paper & Paperboard	k 🗌	No	EPA-HQ-OW-2004-0032-0552
15.4.1	01701	Permit, Registration	MeadWestvaco of Virginia Corp, Covington, VA - DCN 01701		57	Virginia DEQ	02/12/2002		Pulp, Paper & Paperboard	k 🗌	No	EPA-HQ-OW-2004-0032-0554
15.4.1	01702	Permit, Registration	International Paper Company, Franklin Mill, Franklin, VA - DCN 01702		81	Sismour, Karen Jackson	01/19/2000		Pulp, Paper & Paperboard	k 🗌	No	EPA-HQ-OW-2004-0032-0556
15.4.1	01703	Permit, Registration	Weyerhaeuser Company, Longview, WA - DCN 01703		47	Kraege, Carol	05/11/2003		Pulp, Paper & Paperboard	k 🗌	No	EPA-HQ-OW-2004-0032-0558

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15.4.1	01703A1	Other	Weyerhaeuser Company, Fact Sheet, Longview, WA - DCN 01703A01		63				Pulp, Paper & Paperboard	<b>k</b>	No	EPA-HQ-OW-2004-0032-0559
15.4.1	01704	Permit, Registration	Fort James Camas, LLC, Camas, WA- DCN 01704		38	Kraege, Carol	04/03/2003		Pulp, Paper & Paperboard	k 🗌	No	EPA-HQ-OW-2004-0032-0561
15.4.1	01704A1	Other	Fort James Camas, LLC, Fact Sheet, Camas, WA - DCN 01704A01		32				Pulp, Paper & Paperboard	k 🗌	No	EPA-HQ-OW-2004-0032-0562
15.4.1	01705	Permit, Registration	Kimberly-Clark Worldwide, Inc., Everett, WA - DCN 01705		41	Kraege, Carol	11/15/2004		Pulp, Paper & Paperboard	¥ 🗌	No	EPA-HQ-OW-2004-0032-0563
15.4.1	01705A1	Other	Kimberly-Clark Worldwide, Inc., Fact Sheet, Everett, WA - DCN 01705A01		15		01/01/2004		Pulp, Paper & Paperboard	× 🗆	No	EPA-HQ-OW-2004-0032-0564
15.4.1	01706	Permit, Registration	Simpson Tacoma Kraft Company, Tacoma, WA -DCN 01706		29	Kraege, Carol	11/01/2001		Pulp, Paper & Paperboard	<b>k</b>	No	EPA-HQ-OW-2004-0032-0566

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15.4.1	01706A1	Other	Simpson Tacoma Kraft Company, Fact Sheet, Tacoma, WA - DCN 01706A01		13		01/01/2001		Pulp, Paper 8 Paperboard	k 🗌	No	EPA-HQ-OW-2004-0032-0569
15.4.1	01708	Permit, Registration	Boise Casacade Corporation, Wallula Mill - DCN 01708		45	Kraege, Carol	06/19/2001		Pulp, Paper & Paperboard	k 🗆	No	EPA-HQ-OW-2004-0032-0570
15.4.1	01708A1	Other	Boise Casacade Corporation, Fact Sheet, Wallula Mill - DCN 01708A01		38				Pulp, Paper 8 Paperboard	k 🗆	No	EPA-HQ-OW-2004-0032-0573
15.4.1	01718	Permit, Registration	Bowater Alabama Inc, Coosa Pines, AL - DCN 01718		40	Sanderson, Eric	10/01/2004		Pulp, Paper 8 Paperboard	k 🗆	No	EPA-HQ-OW-2004-0032-0575
15.4.1	01719	Permit, Registration	Stone Container Corporation, Panama City, FL - DCN 01719		21	Bay County Utility Services Director	06/01/2003		Pulp, Paper & Paperboard	k 🗆	No	EPA-HQ-OW-2004-0032-0577
15.4.1	01720	Permit, Registration	Potlatch Corporation, Northwest Paper Division - DCN 01720		23	Foss, Ann M.	07/09/1992		Pulp, Paper 8 Paperboard	k 🗌	No	EPA-HQ-OW-2004-0032-0579

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15.4.1	01721	Permit, Registration	Western Lake Superior Sanitary District, Duluth, Minnesota - DCN 01721		49	Tibbetts, Michael J.	06/17/2004		Pulp, Paper & Paperboard		No	EPA-HQ-OW-2004-0032-0581
15.4.1	01722	Permit, Registration	Blue Ridge Paper Products Inc., Haywood County - DCN 01722		26	Thorpe, Gregory J.	11/15/2001		Pulp, Paper 8 Paperboard		No	EPA-HQ-OW-2004-0032-0582
15.4.1	01722A1	Other	Blue Ridge Paper Products Inc., Fact Sheet, Haywood County - DCN 01722A01		19				Pulp, Paper & Paperboard		No	EPA-HQ-OW-2004-0032-0584
15.4.1	01724	Permit, Registration	Bowater Newsprint Calhoun Operations, Calhoun, Tennessee -DCN 01724		81	Davis, Paul E.	08/15/2002		Pulp, Paper & Paperboard		No	EPA-HQ-OW-2004-0032-0586
15.4.1	01725	Permit, Registration	Gulf Coast Waste Disposal Authority, Texas City, Texas - DCN 01725		3		12/28/2000		Pulp, Paper & Paperboard		No	EPA-HQ-OW-2004-0032-0589
15.4.1	01727	Permit, Registration	Stone Container Corporation, West Point, VA - DCN 01727		48	Virginia DEQ	11/24/2003		Pulp, Paper 8 Paperboard		No	EPA-HQ-OW-2004-0032-0591

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15.4.1	01728	Permit, Registration	International Paper/Georgetown Mill, Permit & Fact Sheet, Georgtown, South Carolina - DCN 01728		55	South Carolina DHEC	06/12/2000		Pulp, Paper 8 Paperboard		No	EPA-HQ-OW-2004-0032-0593
15.4.1	01730	Letter, Memorandum, Email	POTW, City of Pestigo, Wisconsin - DCN 01730		26	Graham, Joseph	08/02/2004		Pulp, Paper & Paperboard		No	EPA-HQ-OW-2004-0032-0596
15.4.1	01821	Permit, Registration	NDPES Permit MI0000027, Mead-Escanaba Paper Co -DCN 01821	MI0000027	37	Dell, Daniel	05/19/2003		Pulp, Paper 8 Paperboard		No	EPA-HQ-OW-2004-0032-0598
15.4.1	01822	Permit, Registration	Michigan DEQ Authorization to Discharge Under the NPDES, S.D. Warren Company - DCN 01822	MI0001210	19	Eldredge, D. Steven	08/01/2003		Pulp, Paper & Paperboard		No	EPA-HQ-OW-2004-0032-0601
15.4.1	01823	Permit, Registration	State of Mississippi Water Pollution Control, Georgia-Pacific Corporation Leaf River Forest Products, IncDCN 01823	MS0031704	43	Mississippi EQPB	10/16/2002		Pulp, Paper & Paperboard		No	EPA-HQ-OW-2004-0032-0604
15.4.1	01824	Permit, Registration	Berlin/Gorham Mill Permit Transfer NPDES/State Surface Water Discharge Permit No. NH0000655 -DCN 01824	NH0000655	21	Berlandi, George C.	01/06/2003		Pulp, Paper 8 Paperboard		No	EPA-HQ-OW-2004-0032-0606

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15.4.1	01825	Permit, Registration	Letter to Clifford Janney, Environmental Manager, Tembec USA LLC from Linda Korn Levy, Assistant Secretary, Louisiana Department of Environmental Quality re: LPDES Permit to Discharge Process Wastewater, Tembec USA LLC, St. Francisville, Louisiana - DCN 01825	Louisiana Pollutant Discharge Elimination System (Louisiana Pollutant Discharge Elimination System (NPDES)) Permit to Discharge Process Wastewater, Tembec USA LLC, St. Francisville, Louisiana - LA0003468	32	Levy, Linda	09/24/2002		Pulp, Paper & Paperboard	¥ 🗌	No	EPA-HQ-OW-2004-0032-0608
15.4.1	01826	Data	Department Order, Certification, Lincoln Pulp and Paper Company, Lincoln, Maine -DCN 01826		0	Warren, Henry E.	03/29/1985		Pulp, Paper & Paperboard	k 🗌	No	EPA-HQ-OW-2004-0032-0611
15.4.1	02014	Permit, Registration	Weyerhaeuser Company - Hawesville Operations KPDES No: KY0001716, Hancock County, Kentucky -DCN 02014	KY0001716	64	Pratt, Jeffery W.	10/04/2002		Pulp, Paper & Paperboard	k 🗌	No	EPA-HQ-OW-2004-0032-0859
15.4.1	02425	Permit, Registration	Industrial Watewater Discharge Permit, Sappi Cloquet LLC, Cloquet, Minnesota - DCN 02425	MN0001431 - NPDES permit for Sappi Cloquet, Cloquet, MN issued 10/1/01.	8	State of Minnesota	10/01/2001		Pulp, Paper & Paperboard	× 🗆	No	EPA-HQ-OW-2004-0032-1406
15.4.1	02425A1	Other	Industrial Watewater Discharge Permit, Sappi Cloquet LLC, Cloquet, Minnesota - DCN 02425A1	MN0001431	8	State of Minnesota	11/01/2004		Pulp, Paper & Paperboard	k 🗌	No	EPA-HQ-OW-2004-0032-1407
15.4.1	02425A2	Other	Fact Sheet SAPPI Pretreatment Permit Addendum 11/1/2004 - DCN 02425A2	MN0001431	2	State of Minnesota	11/01/2004		Pulp, Paper & Paperboard	k 🗌	No	EPA-HQ-OW-2004-0032-1408

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15.4.1	02426	Permit, Registration	Permit Modification, Sappi Fine Paper - North America, Muskegon, Michigan - DCN 02426	MI0001210 - NPDES permit for Sappi Fine Paper, Muskegon, MI issued10/21/05.	e 41	Kendrick, Dave	10/21/2005		Pulp, Paper 8 Paperboard		No	EPA-HQ-OW-2004-0032-1409
15.4.1	02427	Permit, Registration	Maine Pollutant Discharge Elimination System (MEPDES) Permit ME0001937 Maine Waste Discharge License Application W000623-5N-F- R, Final Permit/License, International Paper, Company - DCN 02427	ME0001937 - NPDES permit for International Paper Company, Jay, ME issued 9/21/05.	100	Wood, Gregg	09/21/2005		Pulp, Paper 8 Paperboard		No	EPA-HQ-OW-2004-0032-1410
15.4.1	02428	Permit, Registration	Maine Pollutant Discharge Elimination System (MEPDES) Permit ME0002054 Maine Waste Discharge License Application W000955-5N-G- R, Final Permit/License, Rumford Paper Company - DCN 02428	ME0002054 - NPDES permit for Rumford Paper Company, Rumford, ME issued 9/20/05.	105	Wood, Gregg	09/21/2005		Pulp, Paper 8 Paperboard		No	EPA-HQ-OW-2004-0032-1411
15.4.1	02429	Permit, Registration	Maine Waste Discharge License Application #W000381-5N-E-M, Final Modification, Lincoln Pulp & Paper Co. Inc DCN 02429	ME0002003 - NPDES permit for Lincoln Pulp & Paper Company, Lincoln, ME issue 8/22/02.	15 ed	Wood, Gregg	08/22/2002		Pulp, Paper 8 Paperboard		No	EPA-HQ-OW-2004-0032-2196
15.4.1	02429A1	Other	Lincoln Pulp & Paper Company, W000381-5N- D-M, Waste Discharge License Modification - DCN 02429A1		13	Sullivan, Edward O.	11/06/1998		Pulp, Paper 8 Paperboard		No	EPA-HQ-OW-2004-0032-2196.1
15.4.1	02429A2	Other	Lincoln Pulp & Paper Company, W000381-44- C-M, Waste Dscharge License Modfication - DCN 02429A2		3	Sullivan, Edward O.	04/17/1997		Pulp, Paper 8 Paperboard	4 🗌	No	EPA-HQ-OW-2004-0032-2196.2

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15.4.1	02429A3	Other	Maine Waste Discharge License, Lincoln Pulp & Paper Company W000381-44-B-R, Waste Discharge License Renewal - DCN 02429A3		40	Sullivan, Edward O.	01/23/1997		Pulp, Paper & Paperboard	£ 🗌	No	EPA-HQ-OW-2004-0032-2196.3
15.4.1	02498	Permit, Registration	Application for Permit Number AR0035823, Potlatch Corporation - Cypress Bend Mill - DCN 02498	AR0035823	37	Kirkpatrick, Bruce	02/28/2001				No	EPA-HQ-OW-2004-0032-1412
15.4.1	02499	Permit, Registration	Louisiana Pollutant Discharge Elimination System (NPDES) Permit to Discharge Treated Process Wastewater and Stormwater, Georgia- Pacific Corporation, Zachary, Louisiana - DCN 02499	Permit Number (LA 0005258) NPDES permit for Georgia-Pacific Corporation, Zachary, LA issued 12/10/01.	49	Higgins, Bliss M.	12/19/2001		Pulp, Paper & Paperboard	£ 🗌	No	EPA-HQ-OW-2004-0032-1413
15.4.1	02501	Permit, Registration	NPDES Permit No. GA0049336, Weyerhaeuser Company - Flint River Operations - DCN 02501	GA0049336 - NPDES permit for Weyerhaeuesr Company, Macon County, GA issued 2005.	21	Couch, Carol A.	06/30/2005		Pulp, Paper & Paperboard	& 🗌	No	EPA-HQ-OW-2004-0032-1414
15.4.1	02920	Publication Other Government	Fact Sheet: Fort James, Camas, Washington, Permit No. WA 000025-6 - DCN 02920		32	Washington State Department of Ecology		<http: www.ecy.wa.g<br="">ov/programs/swfa/ind ustrial/IND_PERMIT S/NPDESPermits/Pu IpPaperMills/FJC_FS 03.pdf&gt;</http:>	Pulp, Paper & Paperboard	£ 🗌	No	EPA-HQ-OW-2004-0032-1493
15.4.1	03296	Permit, Registration	NPDES Permit NC0000680; Weyerhaeuser Paper Co. in Plymouth NC - DCN 03296		25	Klimek, Alan	02/14/2006		Pulp, Paper & Paperboard	& 🗌	No	EPA-HQ-OW-2004-0032-2217

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15.4.2	01572	Support Background	NPDES Permit: Port Townsend Paper Corporation, Port Townsend, WA - DCN 01572		43	Washington State Dept of Ecology	08/31/2004		Pulp, Paper 8 Paperboard		No	EPA-HQ-OW-2004-0032-0615
15.4.2	01707	Permit, Registration	Georgia-Pacific West, Inc, Bellingham Bay - DCN 01707		23	Kraege, Carol	04/01/2001		Pulp, Paper 8 Paperboard		No	EPA-HQ-OW-2004-0032-0617
15.4.2	01707A1	Support Background	Georgia-Pacific West, Inc, Fact Sheet, Bellingham Bay -DCN 01707A01		31		06/21/2002		Pulp, Paper & Paperboard		No	EPA-HQ-OW-2004-0032-0619
15.4.2	01711	Permit, Registration	Mid-America Packaging, LLC, Jefferson County, Arkansas - DCN 01711		36	Maner, Martin	03/31/2004		Pulp, Paper 8 Paperboard		No	EPA-HQ-OW-2004-0032-0621
15.4.2	01711A1	Other	Mid-America Packaging, LLC, Fact Sheet, Jefferson County, Arkansas - DCN 01711A1		11	Byrum, Shane	05/01/2001		Pulp, Paper 8 Paperboard		No	EPA-HQ-OW-2004-0032-0623
15.4.2	01712	Permit, Registration	Cascades Tissue Group - Pennsylvania, Inc., Ransom Township, PA - DCN 01712		15	Crowley, Kate	06/01/2000		Pulp, Paper 8 Paperboard		No	EPA-HQ-OW-2004-0032-0625

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15.4.2	01712A1	Other	Cascades Tissue Group - Pennsylvania, Inc., Application Effluent Samples Ransom Township, PA - DCN 01712A01		48	Cascades Tissue Group			Pulp, Paper & Paperboard	<b>k</b>	No	EPA-HQ-OW-2004-0032-0627
15.4.2	01713	Permit, Registration	Procter & Gamble Products Company, Washington Township, Pennsylvania - DCN 01713		25	Crowley, Kate	09/11/2000		Pulp, Paper & Paperboard	k 🗆	No	EPA-HQ-OW-2004-0032-0629
15.4.2	01713A1	Permit, Registration	Procter & Gamble Products Company, Draft Permit, Washington Township, Pennsylvania - DCN 01713A01		5	Scolere, I.V.	09/01/2001		Pulp, Paper & Paperboard	& 🗆	No	EPA-HQ-OW-2004-0032-0631
15.4.2	01713A2	Other	Procter & Gamble Products Company, Application Effluent Samples, Washington Township, Pennsylvania - DCN 01713A02		24	Procter & Gamble Products Company			Pulp, Paper & Paperboard	k 🗌	No	EPA-HQ-OW-2004-0032-0633
15.4.2	01714	Permit, Registration	Port Townsend Paper Corporation, Port Townsend, WA- DCN 01714		28	Kraege, Carol	09/01/2004		Pulp, Paper & Paperboard	& 🗆	No	EPA-HQ-OW-2004-0032-0635
15.4.2	01714A1	Other	Port Townsend Paper Corporation, Fact Sheet, Port Townsend, WA- DCN 01714A01		41		08/31/2004		Pulp, Paper & Paperboard	& 🗌	No	EPA-HQ-OW-2004-0032-0637

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15.4.2	01714A2	Other	NPDES Permit and Fact Sheet for Port Townsend Paper Corporation DCN 01714A02		1	McConaughy , V. Alice	04/20/2005		Pulp, Paper & Paperboard		No	EPA-HQ-OW-2004-0032-0638
15.4.2	01715	Support Background	Georgia-Pacific West, Inc., Bellingham, WA - DCN 01715		23	Kraege, Carol P.	04/01/2001		Pulp, Paper & Paperboard		No	EPA-HQ-OW-2004-0032-0642
15.4.2	01715A1	Support Background	Georgia-Pacific West, Inc., Fact Sheet, Bellingham, WA - DCN 01715A1		31		06/01/2002		Pulp, Paper & Paperboard		No	EPA-HQ-OW-2004-0032-0644
15.4.2	01716	Permit, Registration	Daishowa America Company, Ltd., Port Angeles, Washington -DCN 01716		25	Kraege, Carol	11/08/2001		Pulp, Paper & Paperboard		No	EPA-HQ-OW-2004-0032-0646
15.4.2	01716A1	Other	Daishowa America Company, Ltd., Fact Sheet, Port Angeles, Washington - DCN 01716A01		35		11/03/2001		Pulp, Paper & Paperboard		No	EPA-HQ-OW-2004-0032-0647
15.4.2	01717	Permit, Registration	Green Bay Packaging, Inc Mill Division, Brown County -DCN 01717		20	Shea, Al	11/08/2001		Pulp, Paper & Paperboard		No	EPA-HQ-OW-2004-0032-0649

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15.4.2	01817	Permit, Registration	Weyerhaeuser Container Board Division, Jordon Point, North Bend, Oregon -DCN 01817	OR0002119	36	Greenwood, Steve	08/25/1997		Pulp, Paper & Paperboard		No	EPA-HQ-OW-2004-0032-0651
15.4.2	01818	Permit, Registration	Four M Paper Corporation Location Fort Madison, IA -DCN 01818		69	Farrand, Wayne	09/30/1999		Pulp, Paper & Paperboard		No	EPA-HQ-OW-2004-0032-0654
15.4.2	01819	Permit, Registration	Packing Corporation of America Location Counce, TN - DCN 01819	TN0002232	41	Davis, Paul E.	09/30/1999		Pulp, Paper & Paperboard		No	EPA-HQ-OW-2004-0032-0658
15.4.2	01820	Permit, Registration	NPDES Permit No. GA0003590 Riceboro - Liberty County -DCN 01820	GA0003590	83	Reheis, Harold	10/28/1999		Pulp, Paper & Paperboard		No	EPA-HQ-OW-2004-0032-0660
15.4.2	02431	Permit, Registration	Montana Pollutant Discharge Elimination System Authorization to Discharge Under the Stone Container Corporation, Missoula, Montana - DCN 02431	Permit Number (MT-0000035) NPDES permit for the Stone Container Corporation Missoula, MT issued 7/28/00.	24 n,	Reid, Thomas D.	07/28/2000		Pulp, Paper & Paperboard		No	EPA-HQ-OW-2004-0032-1415
15.4.2	03909	Permit, Registration	Authorization to Discharge Under VPDES, Georgia-Pacific Corporation, Big Island, VA - DCN 03909	VA0003026 - NPDES permit for Georgia- Pacific, Big Island, VA.	70	Dietrich, Stephen A., VA DEQ	06/30/2005		Pulp, Paper & Paperboard		No	EPA-HQ-OW-2004-0032-2265

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15.4.2	03909A1	Permit, Registration	VPDES Permit Fact Sheet, Georgia-Pacific Corporation, Big Island, VA - DCN 03909A1	VA0003026 - NPDES permit fact sheet for Georgia-Pacific, Big Island, VA.	147	France, Becky L.	02/04/2005	Pulp, Paper & Paperboard		No	EPA-HQ-OW-2004-0032-2265.1
15.5	02177	Report	Preliminary Report: Pulp, Paper, and Paperboard Detailed Study-DCN 02177		113	EPA	08/19/2005	Pulp, Paper & Paperboard		No	EPA-HQ-OW-2004-0032-0662
15.5	03400	Publication USEPA	Final Report: Pulp, Paper, and Paperboard Detailed Study - DCN 03400		208	USEPA	11/01/2006 EPA-821-R-06-016	Pulp, Paper & Paperboard		No	EPA-HQ-OW-2004-0032-2249