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April 2, 2003

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HEADING: 0. 0. . . INDEX/TABLE OF CONTENTS

HEADING: 1. 0. . . REMEDIAL INVESTIGATION/FEASIBILITY STUDY (RI/FS)

SUB-HEAD: 1. 4. . . Vol. 1 - Supplemental Studies under 1998 AOC

1. 4. . . Vol. 1 - 0001 DOC ID: 48960
DATE: 5/1/1996 PAGES: 214
AUTHOR(S): ADDRESSEE(S):
EVS Environment Consultants EPA

Harbor Island Sediment Work Group

DESCRIPTION: Harbor Island Sediment Operable Unit, Supplementary Remedial Investigation, Volume 1 of 2.

This document is included by reference only. A copy can be found in folder 1.4.6 of the West Waterway Sediments Administrative Record (HIAO4).

1. 4. . . Vol. 1 - 0002 DOC ID: 48961
DATE: 5/1/1996 PAGES: 876
AUTHOR(S): ADDRESSEE(S):
EVS Environment Consultants EPA

Harbor Island Sediment Work Group

DESCRIPTION: Harbor Island Sediment Operable Unit, Supplementary Remedial Investigation - Appendices, Volume 2 of 2.

This document is included by reference only. A copy can be found in folder 1.4.6 of the West Waterway Sediments Administrative Record (HIAO4).

1. 4. . . Vol. 1 - 1088104 DOC ID: 1088104
DATE: 5/1/1999 PAGES: 96
AUTHOR(S): ADDRESSEE(S):
EVS Environment Consultants Lockheed Martin Corp.

Port of Seattle

Todd Pacific Shipyards Corp.

DESCRIPTION: Review of Tissue Residue Effects Data for Tributyltin (TBT), Mercury (Hg), and Polychlorinated Biphenyls (PCBs).

This document is included by reference only. A copy can be found in folder 1.11.1 of the West Waterway Sediments Administrative Record (HIAO4).

1. 4. . . Vol. 1 - 1088107 DOC ID: 1088107
DATE: 5/1/1999 PAGES: 480
AUTHOR(S): ADDRESSEE(S):
EVS Environment Consultants Lockheed Martin Corp.

Port of Seattle

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EVS Environment Consultants

Todd Pacific Shipyards Corp.

DESCRIPTION:

Waterway Sediment Operable Unit: Tributyltin (TBT) in Marine Sediments and the Bioaccumulation of TBT Combined Data Report.

This document is included by reference only. A copy can be found in folder 1.11.2 of the West Waterway Sediments Administrative Record (HIAO4).

1. 4. . . Vol. 1 - 1088125 DOC ID: 1088125
DATE: 9/1/1999 PAGES: 14

AUTHOR(S):
Environmental Solutions Group

ADDRESSEE(S):
Unknown

EPA

DESCRIPTION:

Technical Memorandum: Topics Related to the Tributyltin (TBT) Study at the Harbor Island Superfund Site, Waterway Sediment Operable Unit.

This document is included by reference only. A copy can be found in folder 1.11.2.1 of the West Waterway Sediments Administrative Record (HIAO4).

1. 4. . . Vol. 1 - 1088127 DOC ID: 1088127
DATE: 9/1/1999 PAGES: 198

AUTHOR(S):
Environmental Solutions Group

ADDRESSEE(S):
Lockheed Martin Corp.

Port of Seattle

Todd Pacific Shipyards Corp.

DESCRIPTION:

Assessing Human Health Risks from the Consumption of Seafood: Human Health Risk Assessment Report (Final).

This document is included by reference only. A copy can be found in folder 1.11.3 of the West Waterway Sediments Administrative Record (HIAO4).

HEADING: 3. 0. . . ENFORCEMENT

SUB-HEAD: 3. 1. . . Vol. 1 - Administrative Order on Consent

3. 1. . . Vol. 1 - 1123285 DOC ID: 1123285
DATE: 4/26/2000 PAGES: 27

AUTHOR(S):
EPA

ADDRESSEE(S):
Todd Shipyards Corp.

DESCRIPTION: Administrative Order on Consent for Remedial Design, Todd Shipyard Sediment Operable Unit.

HEADING: 4. 0. . . RECORD OF DECISION

SUB-HEAD: 4. 1. . . Vol. 1 - State Concurrence Letter

4. 1. . . Vol. 1 - DOC ID: 1160356
DATE: 3/28/2003 PAGES: 2
AUTHOR(S): James J. Pendowski/Washington State Dept. of Ecology
ADDRESSEE(S): Michael F. Gearheard/EPA

DESCRIPTION: Concurrence letter for the Explanation of Significant Differences (ESD) to the Harbor Island Shipyard Sediment Operable Unit, Todd Shipyard Sediments.

SUB-HEAD: 4. 2. . . Vol. 1 - Record of Decision

4. 2. . . Vol. 1 - 1050713 DOC ID: 1050713
DATE: 11/27/1996 PAGES: 79
AUTHOR(S): Charles C. Clarke/EPA
ADDRESSEE(S): Unknown

DESCRIPTION: Record of Decision, Declaration, Decision Summary, and Responsive Summary for the Shipyard Sediment Operable Unit, Harbor Island.

This document is included by reference only. A copy can be found in folder 4.2 of the Shipyard Sediments Administrative Record (HIAO5).

SUB-HEAD: 4. 3. . . Vol. 1 - Explanation of Significant Differences

4. 3. . . Vol. 1 - DOC ID: 1099952
DATE: 12/27/1999 PAGES: 10
AUTHOR(S): EPA
ADDRESSEE(S): Unknown

DESCRIPTION: Explanation of Significant Difference (ESD) to the Harbor Island-Todd Shipyards Portion of the Shipyard Sediments Operable Unit Record of Decision.

4. 3. . . Vol. 1 - DOC ID: 1160357
DATE: 3/31/2003 PAGES: 13
AUTHOR(S): Michael F. Gearheard/EPA
ADDRESSEE(S): Unknown

DESCRIPTION: Explanation of Significant Differences (ESD) to the Harbor Island - Shipyard Sediment Operable Unit, Todd Shipyard Sediments, Selected Remedial Action.

HEADING: 5. 0. . . REMEDIAL DESIGN

SUB-HEAD: 5. 1. . . Vol. 1 - Correspondence

5. 1. . . Vol. 1 - DOC ID: 1151970
DATE: 12/12/2001 PAGES: 19
AUTHOR(S): William J. Enkeboll/Landau Associates, Inc. ADDRESSEE(S): Lynda E. Priddy/EPA
Peter D. Rude/Landau Associates, Inc.

DESCRIPTION: Draft Technical Memorandum - Abrasive Grit Blast Evaluation, Todd Shipyards Sediment Operable Unit.

SUB-HEAD: 5. 5. . . Vol. 1 - Sampling and Analysis/Health and Safety Plans

5. 5. . . Vol. 1 - DOC ID: 1146605
DATE: 8/10/2001 PAGES: 460
AUTHOR(S): Landau Associates, Inc. ADDRESSEE(S): EPA

DESCRIPTION: Technical Memorandum: Sediment Chemical, Conventional, and Biological Testing Results Phase 2 Remedial Design Sampling and Analysis, Todd Shipyards Sediment Operable Unit.

5. 5. . . Vol. 1 - DOC ID: 1146606
DATE: 12/28/2001 PAGES: 220
AUTHOR(S): Peter D. Rude/Landau Associates, Inc. ADDRESSEE(S): Lynda E. Priddy/EPA

DESCRIPTION: Technical Memorandum: Additional Sediment Chemical Testing Results Phase 2 Remedial Design Sampling and Analysis, Todd Shipyards Sediment Operable Unit (Marginalia noting this draft version was finalized on 02/26/2002).

SUB-HEAD: 5. 5. 1. . Vol. 1 - Comments and Responses

5. 5. 1. . Vol. 1 - DOC ID: 1146601
DATE: 1/15/2002 PAGES: 7
AUTHOR(S): Lynda E. Priddy/EPA ADDRESSEE(S): Al Rainsberger/Todd Pacific Shipyards Corp.

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DESCRIPTION:

Letter transmitting EPA comments regarding the draft Technical Memorandum, Geotechnical Characterization, Phase 2 Remedial Design Sampling and Analysis, Todd Shipyards Sediment Operable Unit.

5. 5. 1. . . Vol. 1 - DOC ID: 1146600
DATE: 1/18/2002 PAGES: 4

AUTHOR(S):
Lynda E. Priddy/EPA

ADDRESSEE(S):
Al Rainsberger/Todd Pacific
Shipyards Corp.

DESCRIPTION:

Letter transmitting EPA comments regarding the Draft Technical Memorandum, Habitat Evaluation, Todd Shipyards Sediment Operable Unit.

5. 5. 1. . . Vol. 1 - DOC ID: 1151571
DATE: 11/15/2002 PAGES: 18

AUTHOR(S):
Jane Fisher/Floyd Snider McCarthy, Inc.

ADDRESSEE(S):
Lynda E. Priddy/EPA

Stephen Reimers/Floyd Snider McCarthy,
Inc.

Kathryn Snider/Floyd Snider McCarthy,
Inc.

DESCRIPTION:

Memorandum transmitting additional abrasive grit blast evaluation results (Attachments: field logs, Analytical Resources Inc. laboratory reports and chain of custody, grain size analysis results and chain of custody).

5. 5. 1. . . Vol. 1 - DOC ID: 1151572
DATE: 11/15/2002 PAGES: 175

AUTHOR(S):
Jane Fisher/Floyd Snider McCarthy, Inc.

ADDRESSEE(S):
Lynda E. Priddy/EPA

Stephen Reimers/Floyd Snider McCarthy,
Inc.

Kathryn Snider/Floyd Snider McCarthy,
Inc.

DESCRIPTION:

Memorandum transmitting dredging elutriate testing results (Attachments: core logs; Analytical Resources Inc. laboratory reports, chain of custody and data validation; grain size analysis results and chain of custody).

SUB-HEAD: 5. 6. . . Vol. 1 - Design Reports

5. 6. . . Vol. 1 - 1099885 DOC ID: 1099885
DATE: 1/11/1999 PAGES: 500

AUTHOR(S):
Landau Associates, Inc.

ADDRESSEE(S):
EPA

Todd Pacific Shipyards Corp.

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DESCRIPTION:

Final Report: Remedial Design Sampling and Analysis Results, Todd Shipyards Portion of the Shipyard Sediment Operable Unit.

5. 6. . . . Vol. 1 - DOC ID: 1128030
DATE: 1/1/2001 PAGES: 29

AUTHOR(S):
Management of Environmental Resources

ADDRESSEE(S):
EPA

DESCRIPTION:

Support documentation for Shipyard Waste, Abrasive Grit Blast and Shipyard Debris Definitions (data tables attached).

Document date has been estimated.

This document is included by reference only. A copy can be found in folder 1.2 of the Lockheed Shipyard Explanation of Significant Differences AR (HLESD).

5. 6. . . . Vol. 1 - DOC ID: 1151712
DATE: 1/25/2001 PAGES: 67

AUTHOR(S):
Landau Associates, Inc.

ADDRESSEE(S):
Todd Pacific Shipyards Corp.

DESCRIPTION:

Draft Technical Memorandum: Marine Structures Survey, Phase 2 Remedial Design, Todd Shipyards Sediment Operable Unit (Marginalia).

5. 6. . . . Vol. 1 - DOC ID: 1151713
DATE: 10/5/2001 PAGES: 158

AUTHOR(S):
Landau Associates, Inc.

ADDRESSEE(S):
Todd Pacific Shipyards Corp.

DESCRIPTION:

Draft Technical Memorandum: Geotechnical Characterization, Phase 2 Remedial Design Sampling and Analysis, Todd Shipyards Sediment Operable Unit.

SUB-HEAD: 5. 6. . . . Vol. 2 - Design Reports

5. 6. . . . Vol. 2 - DOC ID: 1151714
DATE: 10/5/2001 PAGES: 59

AUTHOR(S):
Landau Associates, Inc.

ADDRESSEE(S):
Todd Pacific Shipyards Corp.

DESCRIPTION:

Draft Technical Memorandum: Habitat Evaluation, Todd Shipyards Sediment Operable Unit.

5. 6. . . . Vol. 2 - DOC ID: 1151715
DATE: 12/11/2001 PAGES: 51

AUTHOR(S):
Landau Associates, Inc.

ADDRESSEE(S):
Todd Pacific Shipyards Corp.

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DESCRIPTION:

Draft Technical Memorandum: Sediment Disposal Options Evaluation, Phase 2 Remedial Design, Todd Shipyards Sediment Operable Unit.

5. 6. . . . Vol. 2 - DOC ID: 1151574
DATE: 7/12/2002 PAGES: 117

AUTHOR(S):
Floyd Snider McCarthy, Inc.

ADDRESSEE(S):
Todd Pacific Shipyards Corp.

DESCRIPTION:

Conceptual Design Report, Agency Review Draft (Attached: 7/12/02 transmittal letter addressed to the EPA).

5. 6. . . . Vol. 2 - DOC ID: 1151575
DATE: 12/5/2002 PAGES: 218

AUTHOR(S):
Floyd Snider McCarthy, Inc.

ADDRESSEE(S):
Todd Pacific Shipyards Corp.

DESCRIPTION:

Preliminary Design Report (Attached: 12/5/02 transmittal letter addressed to the EPA).

5. 6. . . . Vol. 2 - DOC ID: 1160032
DATE: 3/10/2003 PAGES: 24

AUTHOR(S):
EPA

ADDRESSEE(S):
Unknown

DESCRIPTION:

Selection of Confirmational Chemical Criteria for use at the Harbor Island Superfund Site Shipyards Operable Unit (screening level tables and surface sediment maps attached).

This document is included by reference only. A copy can be found in folder 5.6 of the Todd Shipyard Under Pier Remedy ESD (HUPAR)

SUB-HEAD: 5. 6. 1. . Vol. 1 - Comments and Responses

5. 6. 1. . . Vol. 1 - DOC ID: 1151983
DATE: 2/22/2002 PAGES: 8

AUTHOR(S):
Lynda E. Priddy/EPA

ADDRESSEE(S):
Al Rainsberger/Todd Pacific Shipyards Corp.

DESCRIPTION:

Letter transmitting comments on the draft Technical Memorandum, Sediment Disposal Options Evaluation, Phase 2 Remedial Design Sampling and Analysis, Todd Shipyards Operable Unit dated 12/11/01.

5. 6. 1. . . Vol. 1 - DOC ID: 1151971
DATE: 3/6/2002 PAGES: 4

AUTHOR(S):
Lynda E. Priddy/EPA

ADDRESSEE(S):
Al Rainsberger/Todd Pacific Shipyards Corp.

DESCRIPTION:

Letter transmitting EPA comments regarding the Draft Technical Memorandum, Marine Structures Survey, Phase 2 Remedial Design dated 1/25/02.

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5. 6. 1. . . Vol. 1 - DOC ID: 1151982
DATE: 1/24/2003 PAGES: 21

AUTHOR(S):
Lynda E. Priddy/EPA

ADDRESSEE(S):
AI Rainsberger/Todd Pacific
Shipyards Corp.

DESCRIPTION: Letter transmitting the EPA's technical review of the Preliminary Design Report for the Todd Shipyards Sediment Operable Unit dated 12/01/02.

5. 6. 1. . . Vol. 1 - DOC ID: 1151984
DATE: 2/23/2003 PAGES: 1

AUTHOR(S):
Nancy Musgrove/Management of
Environmental Resources

ADDRESSEE(S):
Lynda E. Priddy/EPA

DESCRIPTION: Letter commenting on the Additional Abrasive Grit Blast Evaluation Results memorandum.

5. 6. 1. . . Vol. 1 - DOC ID: 1151985
DATE: 3/6/2003 PAGES: 1

AUTHOR(S):
Nancy Musgrove/Management of
Environmental Resources

ADDRESSEE(S):
Lynda E. Priddy/EPA

DESCRIPTION: Letter commenting on the Dredging Elutriate Testing Results technical memorandum for Todd Shipyards.

SUB-HEAD: 5. 7. . . Vol. 1 - Phase 1B Data Report

5. 7. . . Vol. 1 - 1099955 DOC ID: 1099955
DATE: 12/28/1999 PAGES: 600

AUTHOR(S):
Roy F. Weston, Inc.

ADDRESSEE(S):
EPA

URS Greiner, Inc.

DESCRIPTION: Final Remedial Design (Phase 1B) Data Report - Todd Shipyards Operable Unit.

This document is included by reference only. A copy can be found in folder 1.5 of the Harbor Island/Todd Shipyard ESD Administrative Record (HITES).

5. 7. . . Vol. 1 - DOC ID: 1151717
DATE: 11/1/2000 PAGES: 461

AUTHOR(S):
William J. Enkeboll/Landau Associates, Inc.

ADDRESSEE(S):
Lynda E. Priddy/EPA

Peter D. Rude/Landau Associates, Inc.

DESCRIPTION: Phase 1B Remedial Design Sediment Characterization Results, Todd Shipyards Sediment Operable Unit.

HEADING: 6. 0. . . REMEDIAL ACTION

SUB-HEAD: 6. 3. . . Vol. 1 - Remedial Action Selection Report

6. 3. . . Vol. 1 - DOC ID: 1151986
DATE: 3/3/2003 PAGES: 115

AUTHOR(S):
Floyd Snider McCarthy, Inc.

ADDRESSEE(S):
Todd Pacific Shipyards Corp.

DESCRIPTION: Remedial Action Selection for Under-Pier Sediments, Todd Shipyards Sediment Operable Unit.