

ATTACHMENT E ENDICOTT AMENDED NPDES PERMIT APPLICATION

Attached are two documents pertaining to the Endicott NPDES permit:

- Application for reissuance of Endicott NPDES permit on November 10, 2004
- Additional information submitted to EPA on December 9, 2005, covering a *LoSal*[™] EOR plant discharge.

BPXA has not received the permit. A modeling report will be prepared and submitted to the Alaska Department of Environmental Conservation after EPA issues the draft permit. BPXA will also provide a copy of the modeling report to MMS.

ENDICOTT OPERATIONS NPDES PERMIT APPLICATION



**BP Exploration (Alaska) Inc.
P.O. Box 196612
900 East Benson Boulevard
Anchorage, Alaska 99519-6612**

10 November 2004

**ENDICOTT OPERATIONS
NPDES PERMIT APPLICATION**

OVERVIEW

OVERVIEW

This National Pollution Discharge Elimination System (NPDES) permit application (Forms 1 and 2C) provides information for the Endicott Operations located on an artificial island/causeway complex located in the nearshore area just offshore of the Sagavanirktok River Delta in Stefansson Sound of the Alaskan Beaufort Sea. This facility, also known as the Endicott Project, or Endicott, operates in accordance with the U.S. Environmental Protection Agency's (EPA) National Pollutant Discharge Elimination System (NPDES) Permit AK-003866-1 (USEPA, 2000). The original NPDES permit for this facility was issued in January 1986 (to Standard Alaska Production Company). The most recent permit was issued to BP Exploration (Alaska), Inc. (BPXA) in April 2000.

Endicott includes a seawater treatment plant (STP) and a potable water (POW) unit (desalination plant), both of which send effluent to the combined wastewater discharge (Outfall 001); a wastewater treatment plant (WWTP; Outfall 001A), which also sends effluent to the combined wastewater discharge; and a continuous flush system (formerly the marine life return system, MLRS; Outfall 002). Information concerning these outfalls is provided below.

In addition to these flows, the firewater distribution system at Endicott had previously been permitted for discharge to surface waters (in the existing permit as Outfall 003). However, this flow has not been included in this application as a potential discharge because the firewater at Endicott does not actually flow to a discrete outfall but is generally dispersed onto the facility's gravel pad where it may percolate or run off into the Beaufort Sea or evaporate to the atmosphere. As such, this flow is already covered by the general storm water permit, *North Slope General NPDES Permit AKG-33-0063*, as authorized on February 19, 2004 for Endicott.

As required by the application, area maps are provided in Exhibits XI-1 and XI-2. Exhibit IIA-1 provides a line drawing of the overall facility. Exhibits IIA-2 through IIA-6 provide process flow diagrams for the individual discharges or flows at the facility. Information contained in this application is primarily based on the last year of operation and monitoring (July 2003 through June 2004). Other data are estimated from operational history, process design, and proposed future operational conditions.

It is anticipated that operational conditions at Endicott will change within the next three years, with the implementation of a low salinity waterflood project. Process flow diagrams include both current operating conditions and potential conditions.

Combined Wastewater Discharge – Outfall 001

This outfall consists of streams from the STP and the POW unit that are commingled prior to discharge through the main outfall (Outfall 001). For purposes of this narrative, these will be discussed separately. As in the existing permit, however, the data provided in this application are based on the commingled wastestream (i.e., both STP and POW outflows combined). In addition, effluent from the WWTP, labeled Outfall 001A, is discharged through the main outfall. This wastestream is discussed separately below.

The use of water clarifying agents on the incoming seawater prior to further processing at the STP or the POW unit is sometimes necessitated by the high suspended sediment loads seen in the Beaufort Sea in the vicinity of the Sagavanirktok River Delta, particularly during spring breakup and summer

conditions. Four clarifying agents (Nalco 7607, 7783, 3332, and Chemlink 4835) are specifically approved in the existing permit for use at Endicott at applications of no more than 1 part per million (ppm). However, for purposes of this application, BPXA suggests that the new permit be less restrictive in terms of specifying the use of brand name chemicals. Past experience has shown that other products may be available that are more effective in terms of reducing suspended sediments, and these may in fact be less toxic in nature than those products approved by the existing permit. The existing permit also outlines the procedure that would be required to have EPA and ADEC approve other clarifying agents, including the submittal of acute toxicity test results for each agent. As an alternative to specifying approved clarifying agents in the permit, BPXA requests that coagulants and flocculants be addressed in the Best Management Practices Plan (BMP).

Bulk solids (sediment) that do not contain clarifying agents or other chemicals removed from the seawater intake basin or from the clarifier are placed on the pad following BMP procedures in such a way that snow or rain runoff will not increase turbidity in the receiving waters.

Strainer/Filter Systems Backwash from STP (Exhibit IIA-2)

The STP provides treated seawater that is used for injection into the petroleum reservoir to maintain formation pressures and allow secondary oil recovery from production wells. Effluent from the STP that is discharged to Outfall 001 consists of a continuous flow of seawater and naturally-occurring particulates from the backwash of the strainer/mixed media filter systems that are used to remove particulates from the seawater. Backwash residues from the strainer system are unheated; backwash residues from the mixed media filters have been subject to warming. Disinfection (injection of chlorine) is used after straining but prior to the filters to prevent biofouling. No other chemicals or additives needed to treat the seawater prior to injection are used at process locations upstream of the filter backwash line.

An estimated continuous flow averaging approximately 6,300,000 gallons per day (gpd) will be discharged from the STP through the Outfall 001. 150,000 GPD

- A heated seawater line flows from downstream of the strainer system back to the intake basin or to the Continuous Flush System (Outfall 002). There is no use of seawater for cooling equipment (i.e., no process cooling water) at the facility.
- The filter feed strainers are continuously backwashed with the backwash residues going directly to the main outfall. The media filters are backwashed as needed based on differential pressure, suspended solids concentrations, and filtering rates.
- This process includes the use of disinfection as needed to prevent biofouling. When necessary, sodium hypochlorite injection is used between the filter feed strainers and the media filters to prevent biological (bacterial) growth in the system. A dechlorinating agent (such as sodium sulfite) is used as needed on the main outfall line downstream of both the strainer and filter backwash lines to reduce residual chlorine prior to discharge through the main outfall. Since chlorination is at times a necessary part of the STP process at this facility, Total Residual Chlorine (TRC) levels should be monitored if and when chlorine disinfection is employed.
- Other additives and chemicals needed to prepare the seawater for injection, such as oxygen scavengers, antifoamers, corrosion inhibitors, and disinfection agents, are used downstream of the strainer/filter systems and their backwash lines. Because of where they are used in the flow process, these agents cannot recycle to the intake basin nor be discharged through the main outfall.

• MICRO FILTRATION • RO

- The use of organic biocides is allowed in the existing permit, with requirements in place to prohibit discharge of these agents through the backwash systems. At present, however, organic biocides are used downstream of any process areas that could flow to the main outfall. It is not anticipated that biocides will be needed at Endicott in the future in any process areas that could flow to the main outfall.

Potable Water System (Exhibit IIA-3)

Effluent from the POW unit is intermittent and primarily consists of brine produced by the reverse osmosis (RO) desalination filters during the making of potable water for use in the living quarters and as utility water. Desalination effluent is brine with approximately twice the concentration of naturally occurring minerals and salts in the ambient seawater. Brine output averages 20,000 gpd when the RO unit is in use. Backwash flows mix with the brine and with STP effluent before being discharged through the main outfall. Prior to entering the RO unit, the seawater is heated and may also be treated with coagulants, scale inhibitors, and antifoam agents.

- Closed-loop heat exchangers are used to heat seawater entering the POW system before it flows to the flocculation tank. Backwash that flows from the flocculation tank has been heated.
- Coagulant is applied to the seawater as it flows to the flocculation tank. Under the existing permit, a pre-approved coagulant (e.g., Nalco 7768) can be used in applications of no more than 1 ppm to clarify the seawater at Endicott. Backwash from the flocculation tank may contain trace amounts of coagulant.
- Backwash from the primary filters used downstream of the flocculation tank is also mixed with brine from the RO unit before it commingles with the STP effluent to be discharged through the main outfall.
- Scale inhibitor and antifoamer agents are injected into the seawater downstream of the primary filters as it is pumped to the RO unit. High salinity brine flows from the RO unit to the main outfall.
- The addition of all other chemicals (corrosion inhibitor, disinfection agent, pH buffering agents) occurs downstream of the RO unit. All chemicals used in this process downstream of the RO unit are NSF-approved for use in drinking water.

Combined Wastewater Discharge

Data provided in Section V of Form 2C of this permit application for Outfall 001 include the outflows from both the STP and POW unit, as the flow is commingled prior to sampling. Data are as follows:

- Flow data presented are from the period of July 2003 through June 2004. Flow data presented in Form 2C, Part II.B are estimates based on historical data and predicted future operating conditions.
- Temperature, pH, and TRC data presented are from the period of July 2003 through June 2004.
- Data for Biological Oxygen Demand (BOD₅), Chemical Oxygen Demand (COD), Total Organic Carbon (TOC), Total Suspended Solids (TSS), and Ammonia (as Nitrogen [N]) as required by this application were not included in the existing permit's monitoring requirements for this wastestream. In order to provide data for inclusion in this application, three grab samples for analysis of each of these parameters were collected in October and November 2004. EPA-approved methods were utilized for sampling and analysis and data are reported herein.

Sanitary Wastewater – Outfall 001A (Exhibit IIA-4)

The WWTP handles an average flow of 11,500 gpd of domestic waste and sewage from the living quarters at the Endicott facility. At present, treated wastewater is discharged through the main outfall along with effluents from the STP and the POW unit. However, BPXA proposes to inject the treated wastewater from the WWTP to Class II Enhanced Oil Recovery (EOR) wells as early as 2005, but will keep Outfall 001 for WWTP discharges as an alternative to injection. For purposes of this application, it is assumed that the main outfall will continue to be the primary means of wastewater disposal.

- Sanitary wastes from the living quarters are initially processed in the WWTP using rotary screens. Solids from the rotary screens are trucked to the North Slope Borough Solid Waste Landfill under the State of Alaska Permit 0231-BA006 (Oxbow Landfill).
- Screened wastewater then flows into an equalization basin, an aeration tank, and into a clarifier tank. After settling, treated sludge is trucked to the Class I Underground Injection Control (UIC) at Pad 3 for disposal under EPA Permit AK-11004-A.
- The clarified wastewater flows to a disinfection tank, where a chlorinated disinfection agent such as calcium hypochlorite feeds into the system. Dechlorination using a bionutralizer (e.g., sodium sulfite) takes place before the effluent is discharged to the main outfall. Use of a bionutralizer allows for the removal of chlorine without the addition of BOD.
- A small batch process alternate system for treating backwash flows from the primary clarifier/filter tank through a secondary equalization basin, aeration chamber, and clarification tanks. The treated backwash waste then re-enters the system.
- The existing permit requires the monitoring of sanitary waste-related parameters (TSS, BOD₅, and Fecal Coliform) only when this wastestream is discharged to the main outfall. In addition, pH and flow are monitored as called for by the existing permit.

Data provided in Section V of Form 2C of this permit application for Outfall 001A are as follows:

- Flow data presented are from the period of July 2003 through June 2004. Flow data presented in Form 2C, Part II.B are estimates based on historical data and predicted future operating conditions.
- BOD₅, TSS, pH, TRC, and Fecal Coliform data presented are from the period of July 2003 through June 2004.
- Monitoring for COD, TOC, and Ammonia as required by this application are not included in the existing permit's monitoring requirements for this wastestream. In order to provide data for inclusion in this application, three grab samples for analysis of each of these parameters were collected in October 2004. EPA-approved methods were utilized for sampling and analysis and data are reported herein.

Continuous Flush System – Outfall 002 (Exhibit IIA-5)

A flow with an average rate of approximately 2,900,000 gpd will be drawn through the Continuous Flush System as needed to minimize ice formation and debris accumulation in the intake basin.

- Intake seawater is typically heated for freeze protection. There is no use of continuous flush seawater for cooling equipment (i.e., no process cooling water).
- As noted above, this process was originally designed to be a marine life bypass. However, in practice it has been used instead to prevent algae (kelps) and debris from accumulating in the intake basin and as freeze protection.
- No chlorination or other chemical treatment is used for this process stream.

Data provided in Section V of Form 2C of this permit application for Outfall 002 are as follows:

- Flow and temperature data presented are from the period of June 2003 through May 2004. Flow data presented in Form 2C, Part II.B are design estimates.
- Monitoring of other parameters (BOD₅, COD, TOC, TSS, Ammonia, and pH) is not required under the existing permit for Outfall 002 and therefore, no data are available.

Firewater Distribution System – Formerly Outfall 003 (Exhibit IIA-6)

As noted above, while this stream is permitted by the existing permit, this flow is covered by the general storm water permit for the North Slope (AKG-33-0063), Section II.F.3.b. (Allowable Non-Storm Water Discharges).

General Notes Regarding the Permit Application Generated Using the Permit Application Software System (PASS):

- For purposes of this application, it is assumed that trace concentrations of naturally-occurring metals and nutrients exist in the seawater coming into the intake basin; these parameters are shown as being “Present in seawater intake” and are assumed to be present at low levels in the effluent as well.
- For purposes of this application, it is assumed that the freshwater source (POW) that feeds into the living quarters is of drinking water quality and, because it has had all particulates removed and has been subjected to the RO process, is virtually free of salts, nutrients, and trace metals. Based on this assumption, it is assumed that these parameters are not part of the intake into the WWTP.

EPA FORM 1

GENERAL INFORMATION

Includes Exhibits XI-1 and XI-2

FORM 1		U.S. ENVIRONMENTAL PROTECTION AGENCY GENERAL INFORMATION <i>Consolidated Permits Program</i> <i>(Read the "General Instructions" before starting.)</i>	I. EPA I.D. NUMBER S F	T/A C D
			ENDICOTT	

LABEL ITEMS	PLEASE PLACE LABEL IN THIS SPACE	GENERAL INSTRUCTIONS If a preprinted label has been provided, affix in the designated space. Review the information carefully; if any of it is incorrect, cross through it and enter the correct data in the appropriate fill-in area below. Also, if any of the preprinted data is absent (the area to the left of the label space lists the information that should appear), please provide it in the proper fill-in area(s) below. If the label is complete and correct, you need not complete items I, III, V, VI (except VI-B which must be completed regardless). Complete all items if no label has been provided. Refer to the instructions for detailed item descriptions and for the legal authorizations under which this data is collected.
I. EPA I.D. NUMBER		
III. FACILITY NAME		
V. FACILITY MAILING ADDRESS		
VI. FACILITY LOCATION		

II. POLLUTANT CHARACTERISTICS
 INSTRUCTIONS: Complete A through J to determine whether you need to submit any permit application forms to the EPA. If you answer "yes" to any questions, you must submit this form and the supplemental form listed in the parenthesis following the question. Mark "X" in the box in the third column if the supplemental form is attached. If you answer "no" to each question, you need not submit any of these forms. You may answer "no" if your activity is excluded from permit requirements; see Section C of the instructions. See also, Section D of the instructions for definitions of bold-faced terms.

SPECIFIC QUESTIONS	MARK 'X'			SPECIFIC QUESTIONS	MARK 'X'		
	YES	NO	FORM ATTACHED		YES	NO	FORM ATTACHED
A. Is this facility a publicly owned treatment works which results in a discharge to waters of the U.S.? (FORM 2A)		X		B. Does or will this facility (either existing or proposed) include a concentrated animal feeding operation or aquatic animal production facility which results in a discharge to waters of the U.S.? (FORM 2B)			X
C. Is this a facility which currently results in discharges to waters of the U.S. other than those described in A or B above? (FORM 2C)	X		X	D. Is this a proposed facility (other than those described in A or B above) which will result in a discharge to waters of the U.S.? (FORM 2D)			X
E. Does or will this facility treat, store, or dispose of hazardous wastes? (FORM 3)		X		F. Do you or will you inject at this facility industrial or municipal effluent below the lowermost stratum containing, within one quarter mile of the well bore, underground sources of drinking water? (FORM 4)			X
G. Do you or will you inject at this facility any produced water or other fluids which are brought to the surface in connection with conventional oil or natural gas production, inject fluids used for enhanced recovery of oil or natural gas, or inject fluids for storage of liquid hydrocarbons? (FORM 4)	X			H. Do you or will you inject at this facility fluids for special processes such as mining of sulfur by the Frasch process, solution mining of minerals, in situ combustion of fossil fuel or recovery of geothermal energy? (FORM 4)			X
I. Is this facility a proposed stationary source which is one of the 28 industrial categories listed in the instructions and which will potentially emit 100 tons per year of any air pollutant regulated under the Clean Air Act and may affect or be located in an attainment area? (FORM 5)		X		J. Is this facility a proposed stationary source which is NOT one of the 28 industrial categories listed in the instructions and which will potentially emit 250 tons per year of any air pollutant regulated under the Clean Air Act and may affect or be located in an attainment area? (FORM 5)			X

III. NAME OF FACILITY
 C Endicott Operations

IV. FACILITY CONTACT

A. NAME & TITLE (last, first & title)	B. PHONE (area code & no.)
Kitagawa, Judy, Water Quality Specialist	(907) 564-4456

V. FACILITY MAILING ADDRESS

A. STREET OR P.O. BOX			
P.O. Box 196612			
B. CITY OR TOWN		C. STATE	D. ZIP CODE
Anchorage		AK	99519

VI. FACILITY LOCATION

A. STREET, ROUTE NO. OR OTHER SPECIFIC IDENTIFIER			
Beaufort Sea - Stefansson Sound			
B. COUNTY NAME			
C. CITY OR TOWN	D. STATE	E. ZIP CODE	F. COUNTY CODE (if known)
Prudhoe Bay	AK	99734	

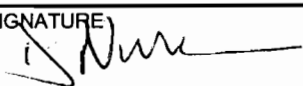
VII. SIC CODES (4-digit, in order of priority)			
A. FIRST		B. SECOND	
7	1311 (specify) Crude Oil Production	C	7 (specify)
C. THIRD		D. FOURTH	
C	7 (specify)	C	7 (specify)

VIII. OPERATOR INFORMATION			
A. NAME			B. Is the name listed in Item VIII-A also the owner?
C	BP Exploration (Alaska) Inc.		Yes
8			
C. STATUS OF OPERATOR (Enter the appropriate letter into the answer box; if "Other", specify.)		D. PHONE (area code & no.)	
F=FEDERAL S=STATE P=PRIVATE	M=PUBLIC (other than federal or state) O=OTHER (specify)	p (specify)	(907) 564-5111
C	A		
E. STREET OR P.O. BOX			
P.O. Box 196612			
F. CITY OR TOWN		G. STATE	H. ZIP CODE
C	Anchorage	AK	99519
6			IX. INDIAN LAND
			Is the facility located on Indian lands? No

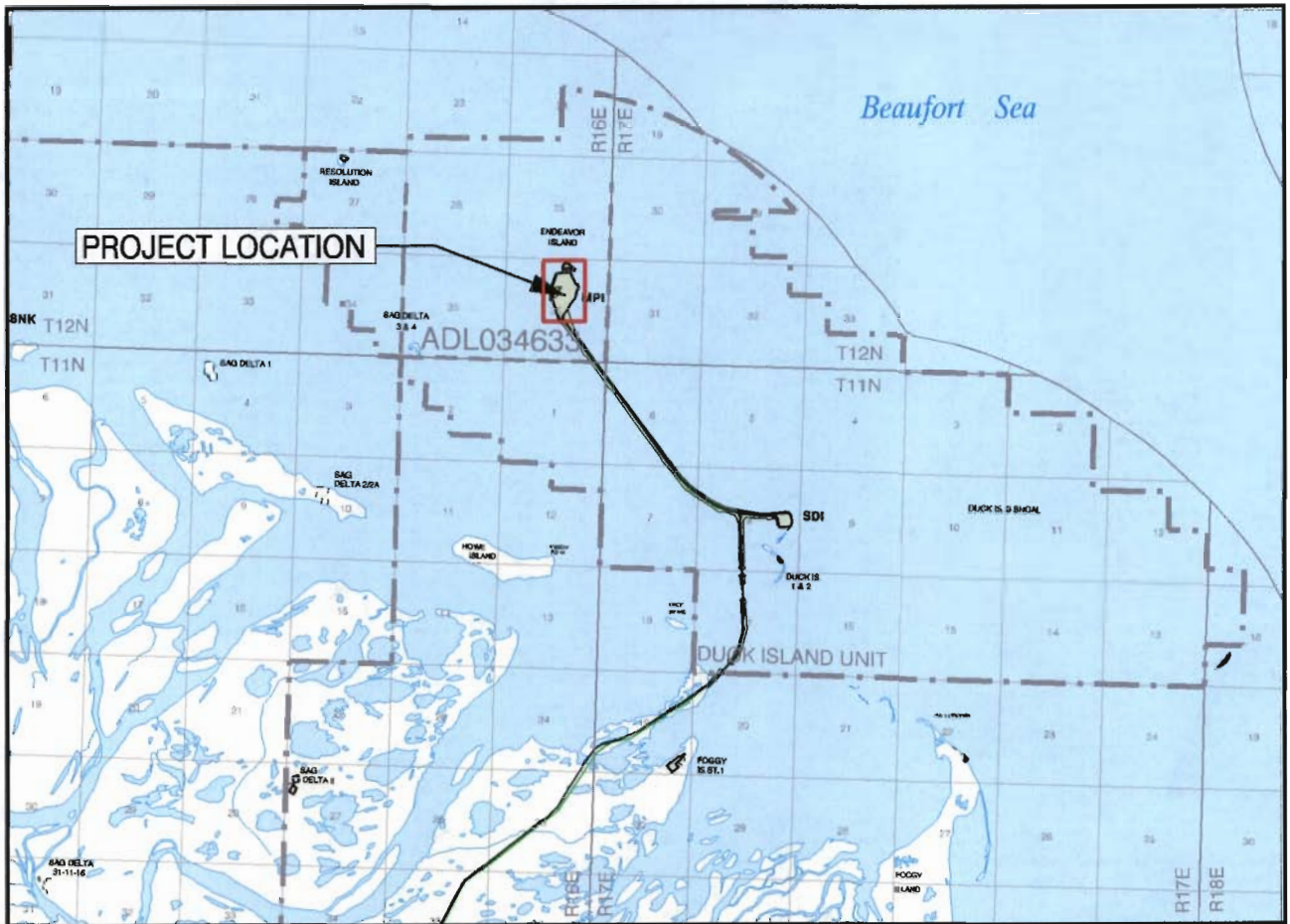
X. EXISTING ENVIRONMENTAL PERMITS			
A. NPDES (Discharges to Surface Water)		D. PSD (Air Emissions from Proposed Sources)	
C	AK-003866-1	C	181TVP01
9		N	
B. UIC (Underground Injection of Fluids)		E. OTHER	
C	AOGCC AIO No. 1	C	LO/NS 84-99 (specify) AK Lease/Unit Approv
9		U	
C. RCRA (Hazardous Wastes)		E. OTHER	
C	AKD 980 834 675	C	071-OYD-2-820562 (specify) Dept of Army
9		U	

XI. MAP
 Attach to this application a topographic map of the area extending to at least one mile beyond property boundaries. The map must show the outline of the facility, the location of each of its existing and proposed intake and discharge structures, each of its hazardous waste treatment, storage, or disposal facilities, and each well where it injects fluids underground. Include all springs, rivers, and other surface water bodies in the map area. See instructions for precise requirements.

XII. NATURE OF BUSINESS (provide a brief description)
 BP Exploration (Alaska) Inc. (BPXA) is in the business of discovering and developing economical accumulations of petroleum and natural gas. BPXA is the operator and has shared ownership in the Prudhoe Bay oilfield which was discovered in 1969, as well as having ownership in other North Slope fields, notably, Northstar, Badami, Kuparuk, and Milne Point.

XIII. CERTIFICATION (see instructions)		
I certify under penalty of law that I have personally examined and am familiar with the information submitted in this application and all attachments and that, based on my inquiry of those persons immediately responsible for obtaining the information contained in the application, I believe that the information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.		
A. NAME & OFFICIAL TITLE (type or print)	B. SIGNATURE	C. DATE SIGNED
Don Nicolson, VP, Alaska Consolidated Team, BPXA		11/11/04

COMMENTS FOR OFFICIAL USE ONLY
C
C



This map is based on U.S.G.S. quad Beechey Point (B-5)
and on the Unit Operator's Facility Maps.



PROJECT LOCATION:

CENTROID FOR ENDICOTT - MAIN PRODUCTION ISLAND

LAT. = 70° 21' 11.9" NORTH

LONG. = 147° 57' 27.7" WEST

X = 751,475.23 FEET EAST

Y = 5,983,017.1 FEET NORTH

ALASKA STATE PLANE ZONE 3, NAD 27

T12N, R16E, SECTION 36, UMIAT MERIDIAN

ADL # 034633

DATUM: MEAN SEA LEVEL

ADJACENT PROPERTY OWNER:
STATE OF ALASKA

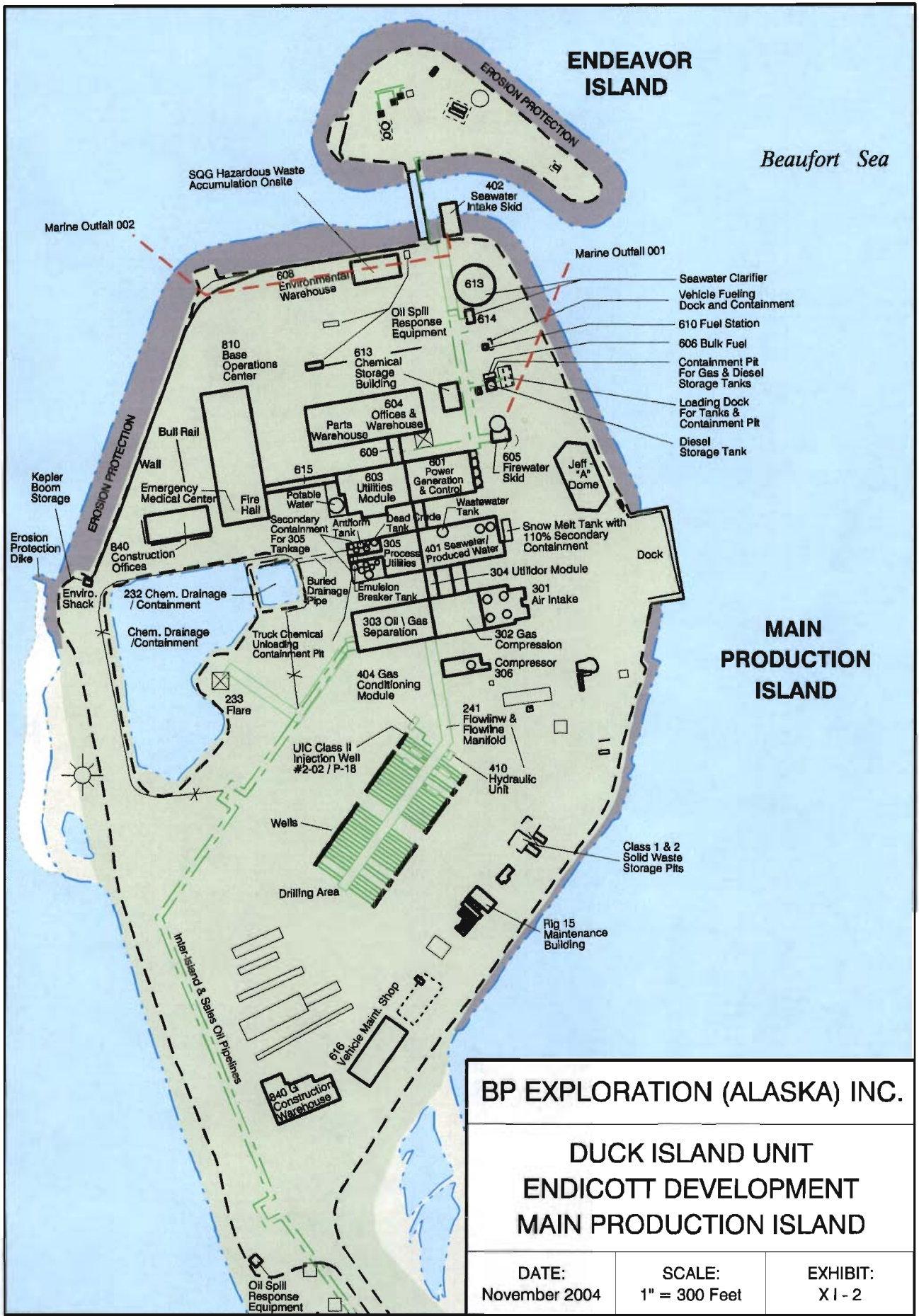
BP EXPLORATION (ALASKA) INC.

**DUCK ISLAND UNIT
ENDICOTT DEVELOPMENT
MAIN PRODUCTION ISLAND
VICINITY MAP**

DATE:
November 2004

SCALE:
1" = 1.75 Mile

EXHIBIT:
X1-1



EPA FORM 2C

NPDES

Includes Exhibits IIA-1, IIA-2, IIA-3, IIA-4, IIA-5, and IIA-6

ENDICOTT

FORM
2C
NPDES



**U.S. ENVIRONMENTAL PROTECTION AGENCY
APPLICATION FOR PERMIT TO DISCHARGE WASTEWATER
EXISTING MANUFACTURING, COMMERCIAL, MINING AND SILVICULTURAL OPERATIONS
Consolidated Permits Program**

I. OUTFALL LOCATION

For each outfall, list the latitude and longitude of its location to the nearest 15 seconds and the name of the receiving water.

A. OUTFALL NUMBER (list)	B. LATITUDE			C. LONGITUDE			D. RECEIVING WATER (name)
	1. DEG	2. MIN	3. SEC	1. DEG	2. MIN	3. SEC	
001	70.00	21.00	9.00	147.00	57.00	25.00	Beaufort Sea, Stefansson Sound
001A	70.00	21.00	9.00	147.00	57.00	25.00	Beaufort Sea, Stefansson Sound
002	70.00	21.00	9.00	147.00	57.00	25.00	Beaufort Sea, Stefansson Sound

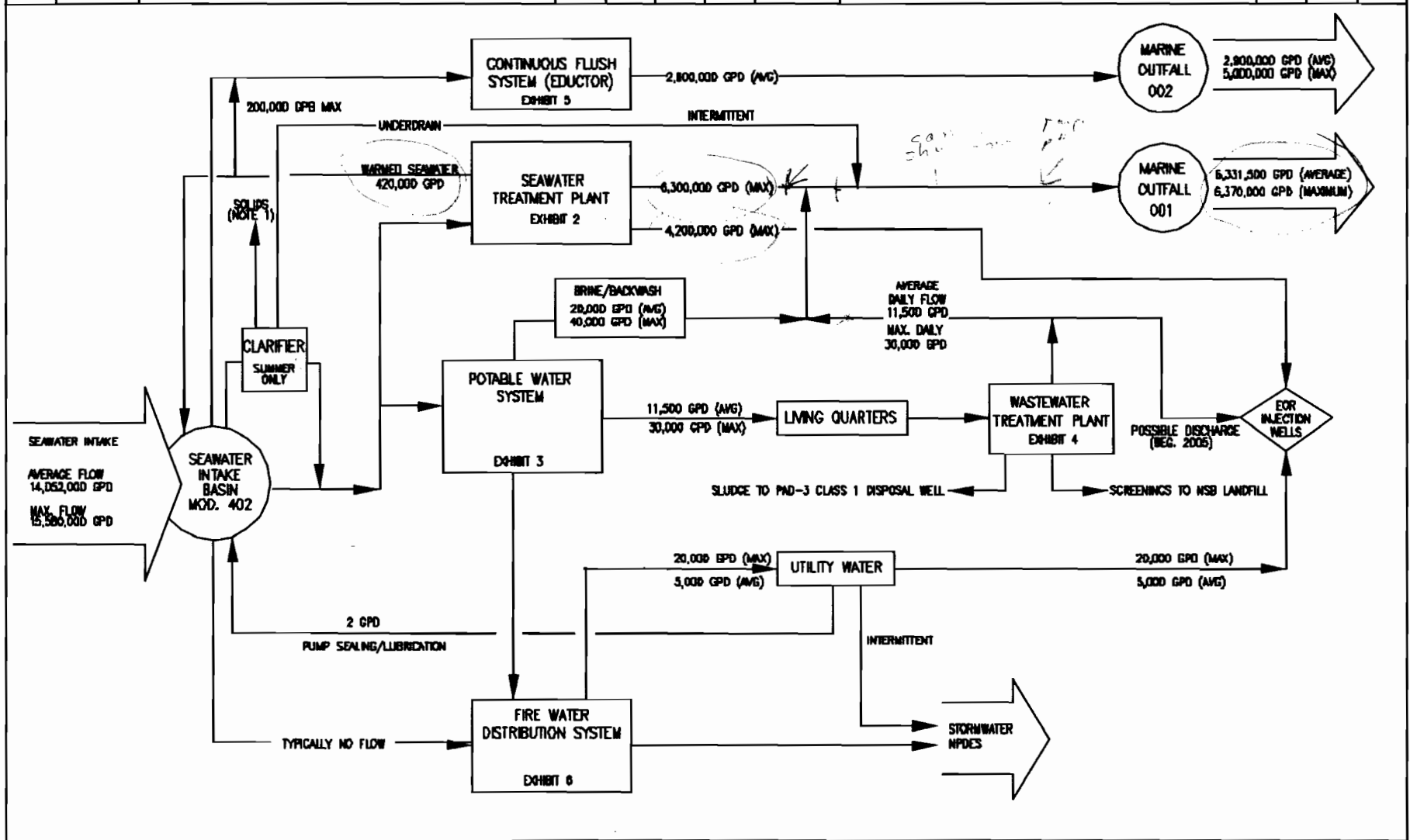
II. FLOWS, SOURCES OF POLLUTION, AND TREATMENT TECHNOLOGIES

A. Attach a line drawing of water flow through the facility. Indicate sources of intake water, operations contributing wastewater to the effluent, and treatment units labeled to correspond to the more detailed descriptions in Item B. Construct a water balance on the line drawing by showing average flows between intakes, operations, treatment units, and outfalls. If a water balance cannot be determined (e.g. for certain mining activities), provide a pictorial description of the nature and amount of any sources of water and any collection of treatment measures.

Please see attached:

- Exhibit IIA-1 Seawater Process Flow Diagram
- Exhibit IIA-2 Seawater Treatment Plant Outfall 001
- Exhibit IIA-3 Potable Water System
- Exhibit IIA-4 Wastewater Treatment Plant Outfall 001A
- Exhibit IIA-5 Continuous Flush System Outfall 002
- Exhibit IIA-6 Firewater Plan

NO.	DATE	REVISION	BY	CHK	APP	NO.	DATE	REVISION	BY	CHK	APP

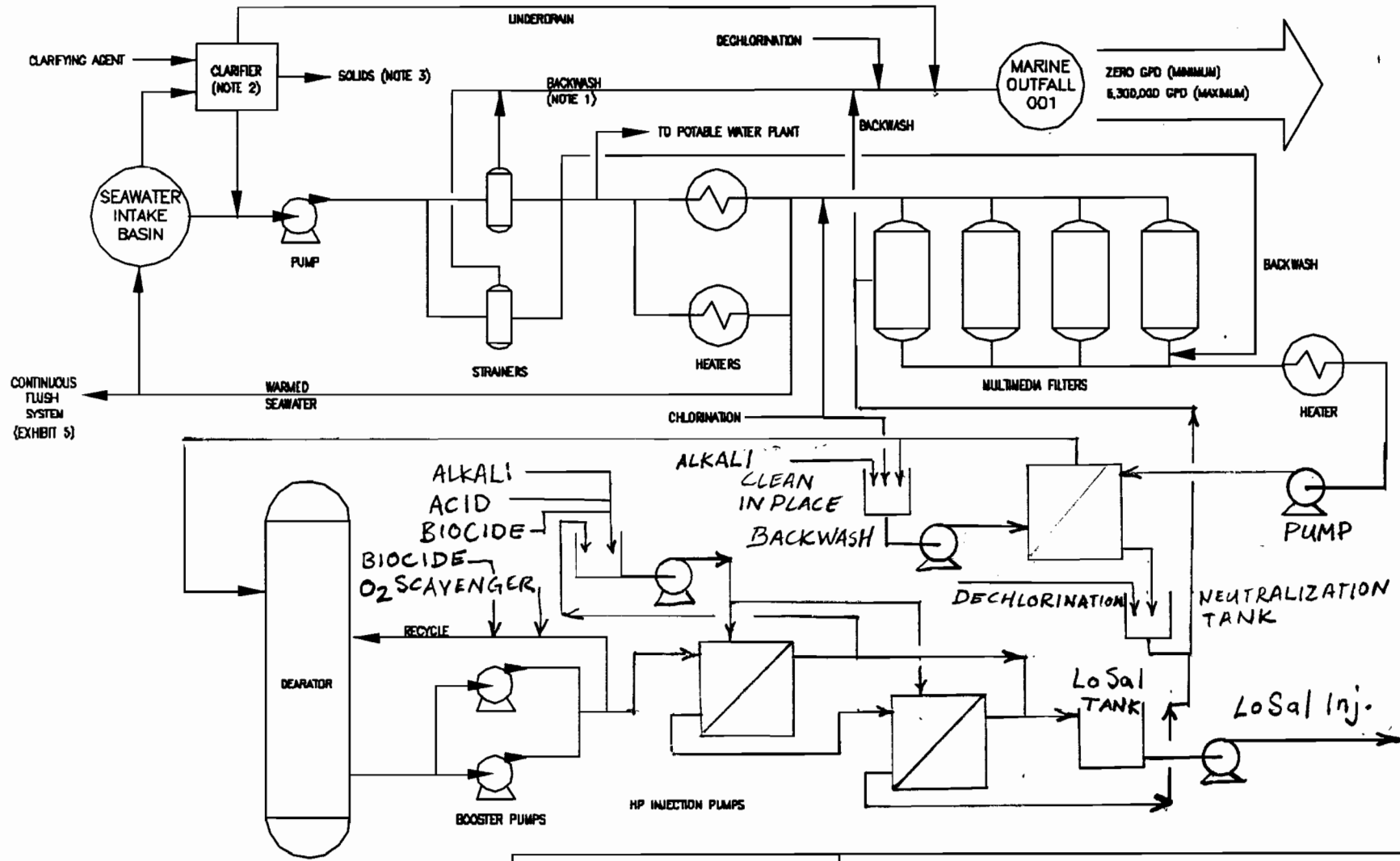


NOTES:
 GPD = GALLONS PER DAY
 NOTE 1 - MANAGED BY BMP
 AVG - AVERAGE
 MAX - MAXIMUM



TITLE OF DRAWING: ENDICOTT ISLAND NPDES PERMIT APPLICATION ENDICOTT ISLAND SEAWATER PROCESS FLOW DIAGRAM		
DRAWING NUMBER: EXHIBIT IIA-1	REV: 0	SHT: -
WORK ORDER:	MOR:	DT: -

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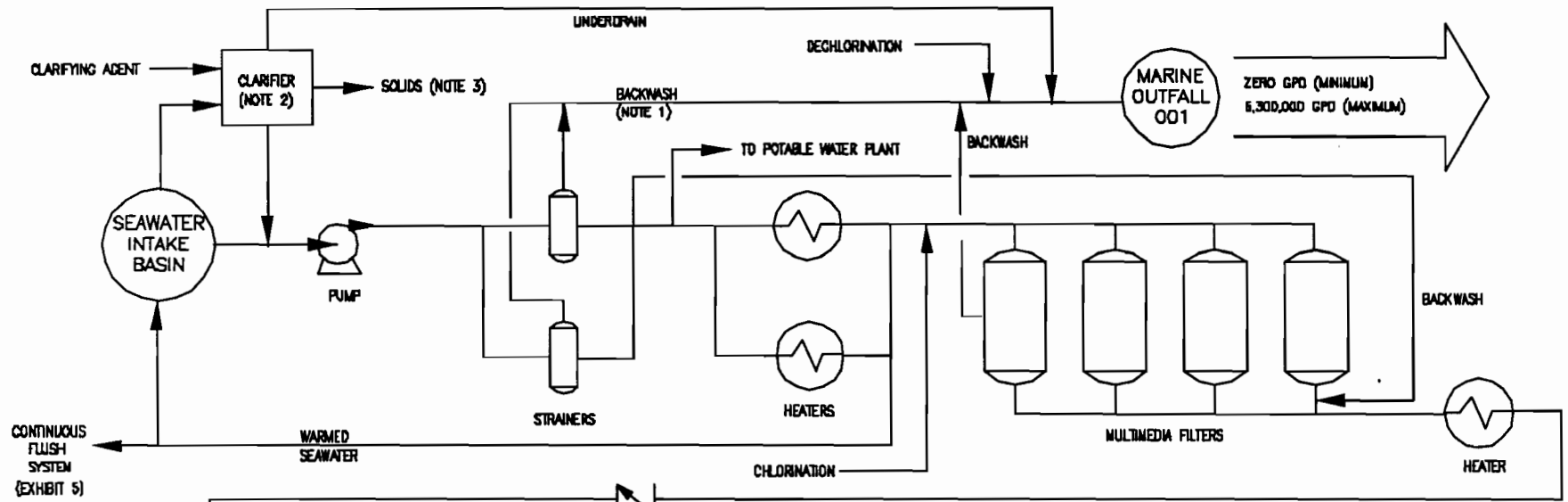


NOTES:
 GPD = GALLONS PER DAY
 NOTE 1 - BACKWASH SOURCE FOR STRAINERS
 INTERNAL IN THE STRAINERS
 NOTE 2 - SUMMER ONLY
 NOTE 3 - MANAGED BY BMP

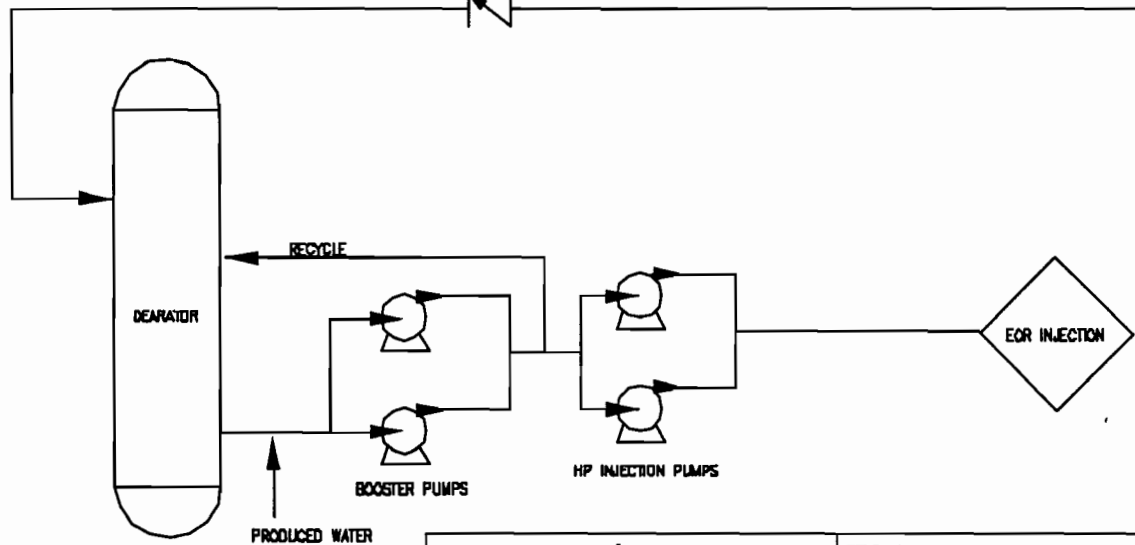


TITLE OF DRAWING: ENDICOTT NPDES PERMIT APPLICATION ENDICOTT ISLAND SEAWATER TREATMENT PLANT OUTFALL 001		
DRAWING NUMBER	REV	SHT
EXHIBIT IIA-2	-	-
WORK ORDER: -	NOB:	OF -

NO.	DATE	REVISION	BY	CHK	APP	NO.	DATE	REVISION	BY	CHK	APP



CONTINUOUS FLUSH SYSTEM (EXHIBIT 5)



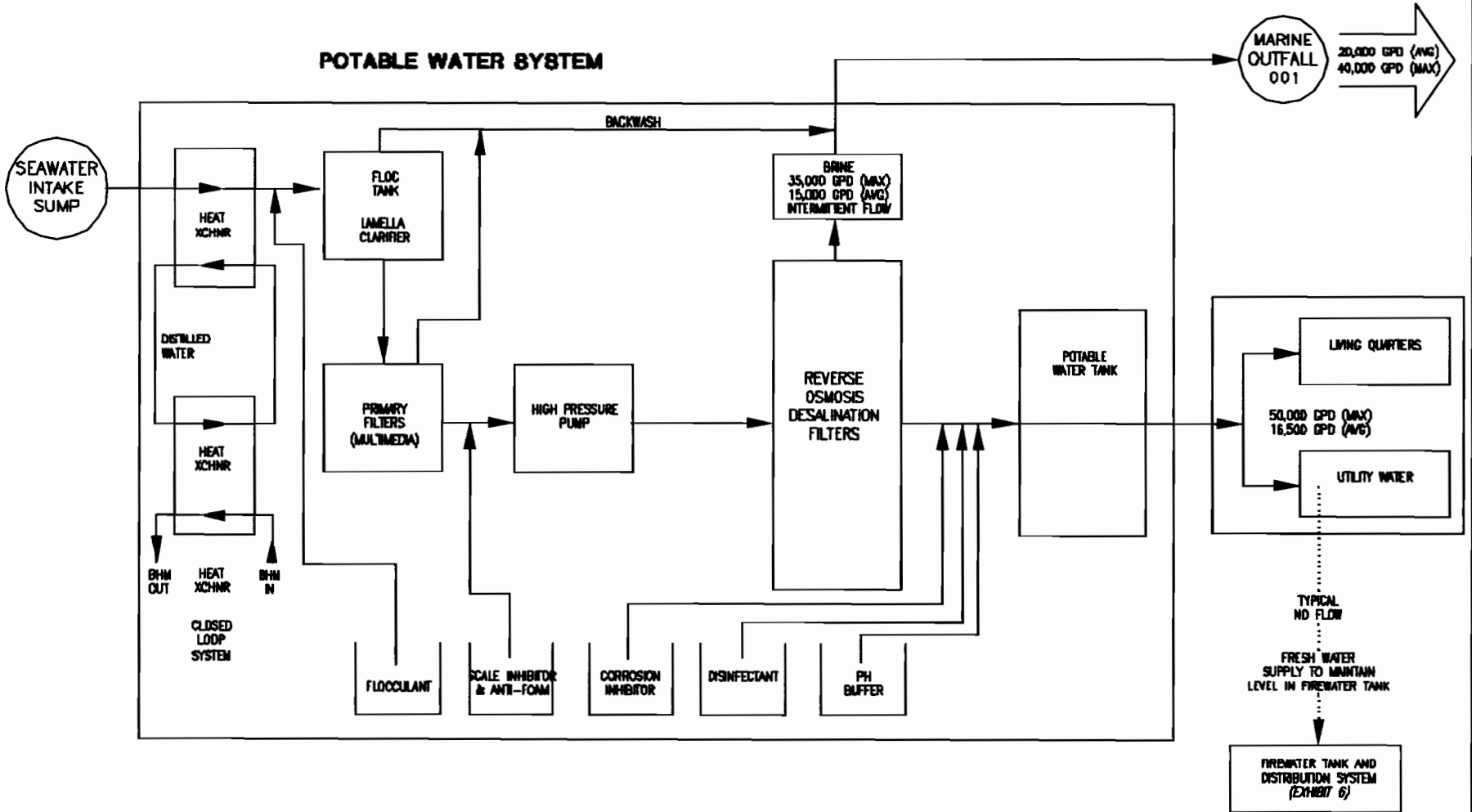
NOTES:
 GPD = GALLONS PER DAY
 NOTE 1 - BACKWASH SOURCE FOR STRAINERS INTERNAL IN THE STRAINERS
 NOTE 2 - SUMMER ONLY
 NOTE 3 - MANAGED BY BMP



TITLE OF DRAWING: ENDICOTT NPDES PERMIT APPLICATION ENDICOTT ISLAND SEAWATER TREATMENT PLANT OUTFALL 001		
DRAWING NUMBER: EXHIBIT IIA-2	REV: -	SHT: -
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POTABLE WATER SYSTEM

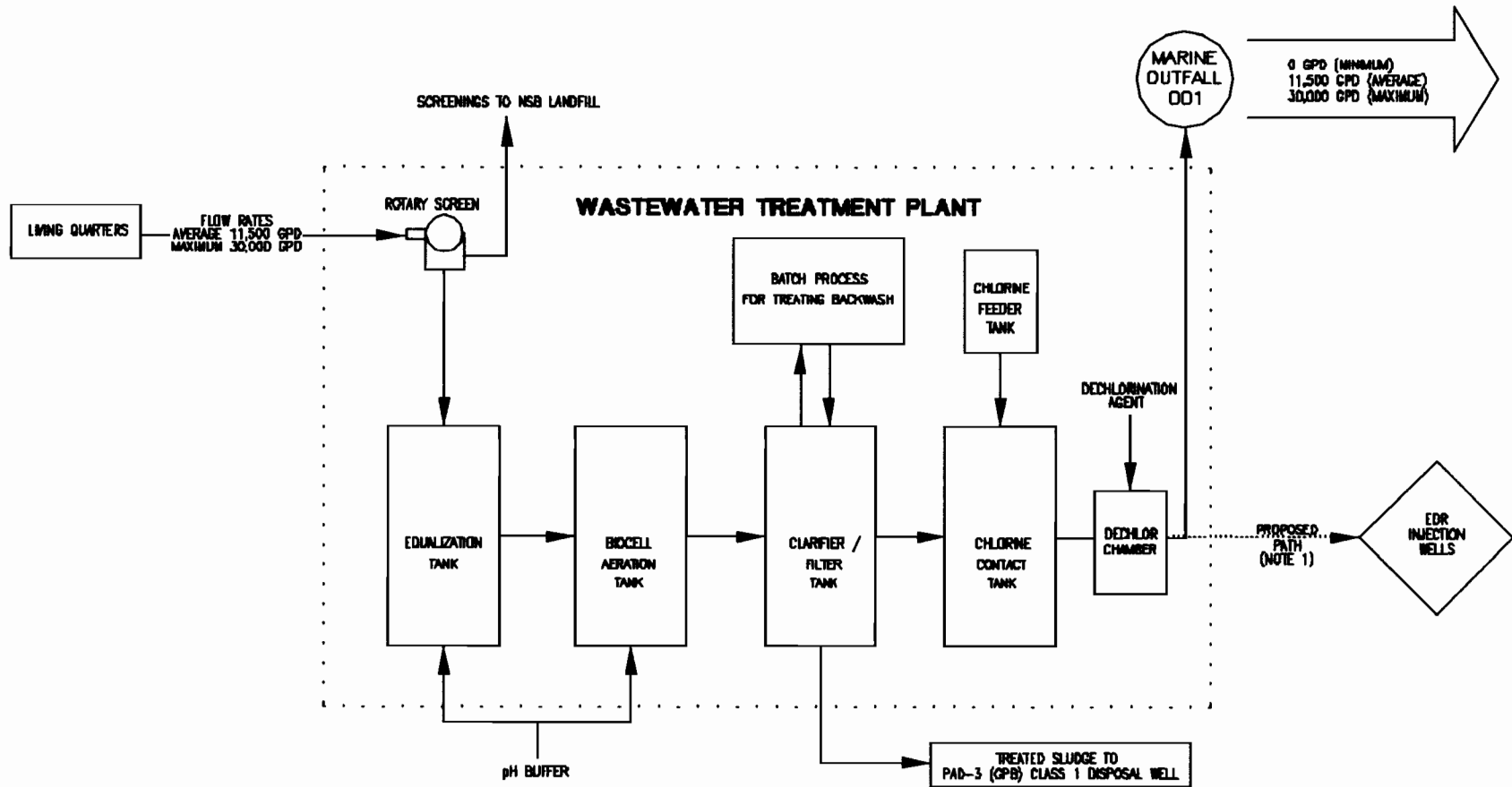


NOTES:
 PPM = PARTS PER MILLION
 GPD = GALLONS PER DAY
 AVG - AVERAGE
 MAX - MAXIMUM



TITLE OF DRAWING: ENDICOTT NPDES PERMIT APPLICATION ENDICOTT ISLAND POTABLE WATER SYSTEM		
DRAWING NUMBER	REV	SHT
EXHIBIT IIA-3	-	-
WORK ORDER: -	MOB:	OF -

NO.	DATE	REVISION	BY	CHK	APP	NO.	DATE	REVISION	BY	CHK	APP



NOTES:

CPD - GALLONS PER DAY

NOTE 1
PLANNED FOR INSTALLATION IN EARLY 2005

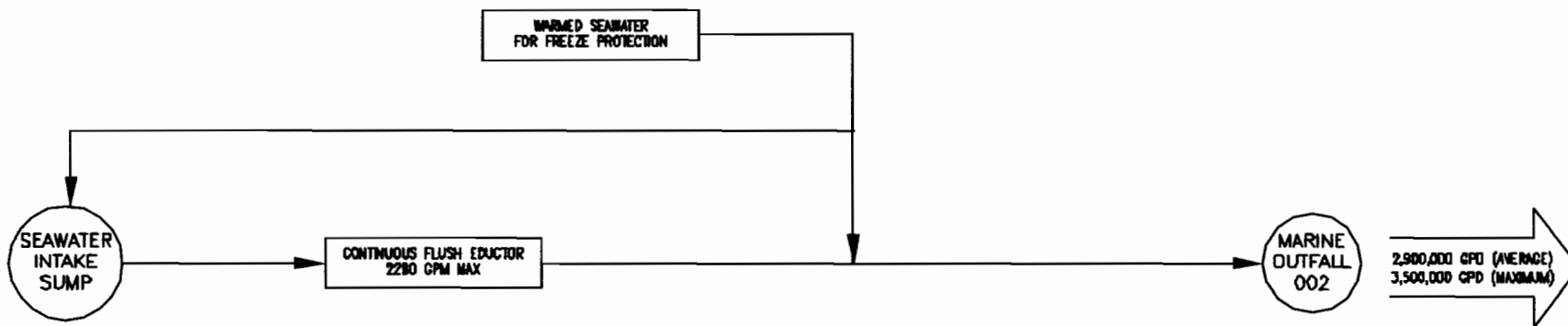
NOTE 2
FOLLOWING THE INSTALLATION OF THE WASTEWATER PLANT EFFLUENT INTO THE EDR INJECTION WELLS, DURING PERIODS WHEN THE EDR INJECTION WELLS ARE NOT AVAILABLE, EFFLUENT WILL BE DISCHARGED THROUGH THE MARINE OUTFALL.



TITLE OF DRAWING: **ENDICOTT NPDES PERMIT APPLICATION ENDICOTT ISLAND WASTEWATER TREATMENT PLANT OUTFALL 001A**

DRAWING NUMBER	REV	SHT
EXHIBIT IIA-4	-	-
WORK ORDER: -	MOR:	OF -

NO.	DATE	REVISION	BY	CHK	APP	NO.	DATE	REVISION	BY	CHK	APP



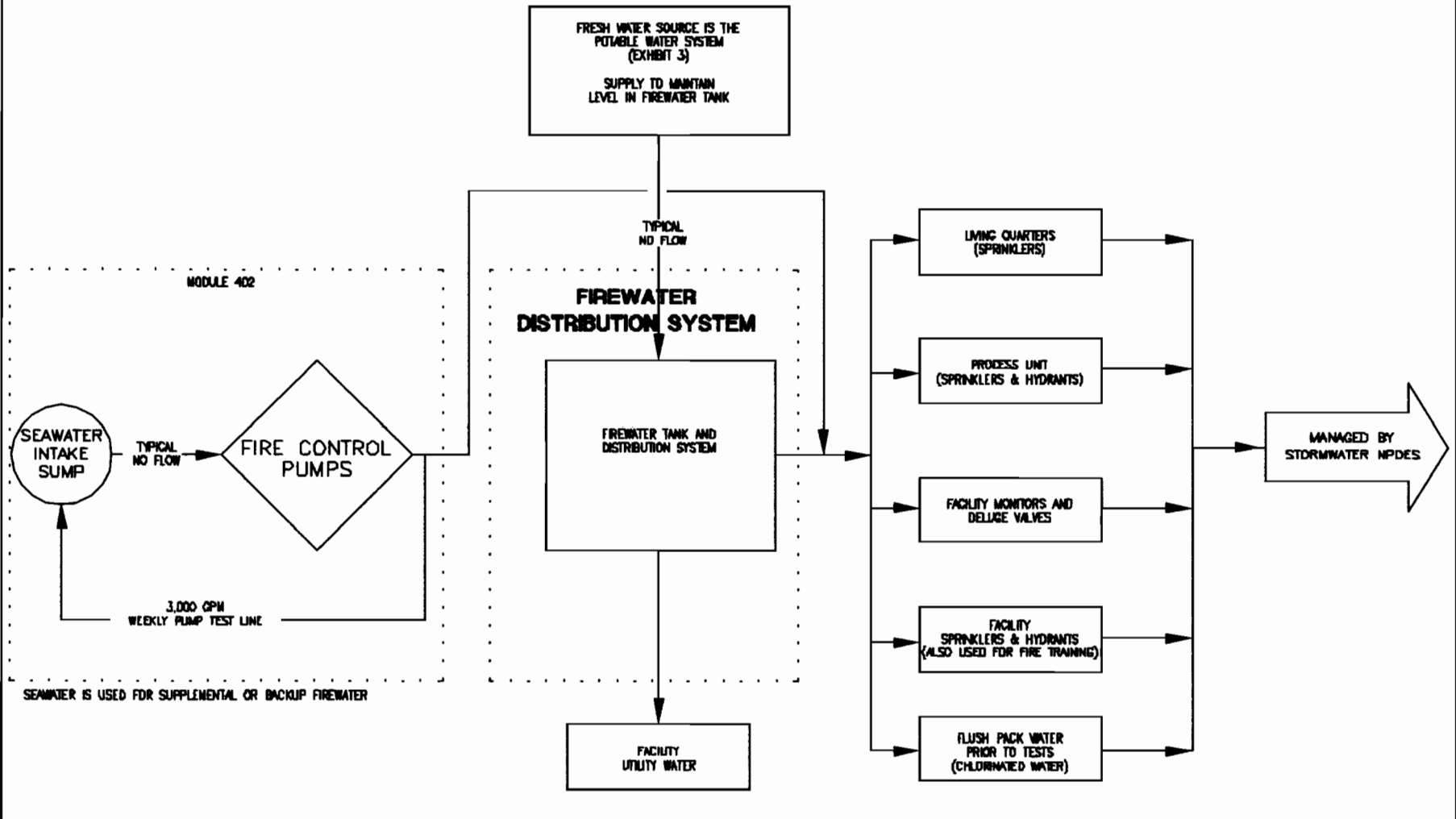
NOTES:

GPM - GALLONS PER MINUTE
 GPD - GALLONS PER DAY
 MAX - MAXIMUM



TITLE OF DRAWING:		
ENDICOTT ISLAND NPDES PERMIT APPLICATION ENDICOTT ISLAND CONTINUOUS FLUSH SYSTEM OUTFALL 002		
DRAWING NUMBER	REV	SHT
EXHIBIT IIA-5	-	-
WORK ORDER: -	MOB:	OF -

NO.	DATE	REVISION	BY	CHK	APP	NO.	DATE	REVISION	BY	CHK	APP



NOTES:
 FIRE CONTROL PUMPS WILL BE TESTED ON A MONTHLY BASIS. FIRE TEST WATER WILL BE RECIRCULATED TO THE SEAWATER INTAKE BASIN.
 GPM - GALLONS PER MINUTE



TITLE OF DRAWING:		ENDICOTT NPDES PERMIT APPLICATION ENDICOTT ISLAND FIREWATER PLAN	
DRAWING NUMBER		REV	SHT
EXHIBIT IIA-6		-	-
WORK ORDER:	-	MOR:	-
			OF -

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B. For each outfall, provide a description of: (1) All operations contributing wastewater to the effluent, including process wastewater, sanitary wastewater, cooling water, and storm water runoff; (2) The average flow contributed by each operation; and (3) The treatment received by the wastewater. Continue on additional sheets if necessary.

1. OUTFALL NUMBER (list)	2. OPERATION(S) CONTRIBUTING FLOW		3. TREATMENT	
	a. OPERATION (list)	b. AVERAGE FLOW (include units)	a. DESCRIPTION	b. LIST CODES FROM TABLE 2C-1
001	Combined Wastewater	6,300,000 gallons per day (gpd)	Screening	1-T
			Multimedia Filtration	1-Q
			Chlorine Disinfection	2-F
			Dechlorination	2-E
			Flocculation	1-G
			Scale Inhibitor	2-K
			Heating	XX
			Antifoamer	XX
			Reverse Osmosis	1-S
			Ocean Discharge Through Outfall	4-B
001A	Sanitary Wastewater	11,500 gpd	Screening	1-T
			Pre-aeration	3-E
			Aerobic Digestion	5-A
			Clarifying	1-U
			Filtration	XX
			Chlorination	2-F
			Dechlorination	2-E
			Ocean Discharge Through Outfall	4-B
			Mixing (Equalization Tank)	1-O
002	Continuous Flush System	2,900,000 gpd	Heating	XX
			Ocean Discharge Through Outfall	4-B

OFFICIAL USE ONLY (effluent guidelines sub-categories)

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II. FLOWS, SOURCES OF POLLUTION, AND TREATMENT TECHNOLOGIES (cont.)

C. Except for storm runoff, leaks, or spills, are any of the discharges described in Items II -A or -B intermittent or seasonal?

YES (complete the following table)

NO (go to Section III)

III. PRODUCTION

A. Does an effluent guideline limitation promulgated by EPA under Section 304 of the Clean Water Act apply to your facility?

YES (complete Item III-B)

NO (go to Section IV)

B. Are the limitations in the applicable effluent guideline expressed in terms of production (or other measure of production)?

YES (complete Item III-C)

NO (go to Section IV)

C. If you answered "yes" to Item III-B, list the quantity which represents an actual measurement of your level of production, expressed in the terms and units used in the applicable effluent guideline, and indicate the affected outfalls.

IV. IMPROVEMENTS

A. Are you now required by any Federal, State, or local authority to meet any implementation schedule for the construction, upgrading or operation of wastewater treatment equipment or practices or any other environmental programs which may affect the discharges described in this application? This includes, but is not limited to, permit conditions, administrative or enforcement orders, enforcement compliance schedule letters, stipulations, court orders, and grant or loan conditions.

YES (complete the following table)

NO (go to Item IV-B)

IV. IMPROVEMENTS (cont.)

B. OPTIONAL: You may attach additional sheets describing any additional water pollution control programs or other environmental projects which may affect your discharges (including pollution prevention programs) you now have underway or which you plan. Indicate whether each program is now underway or planned, and indicate your actual or planned schedules for construction.

MARK "X" IF DESCRIPTION OF ADDITIONAL CONTROL PROGRAMS IS ATTACHED

V. INTAKE AND EFFLUENT CHARACTERISTICS

A, B, & C: See instructions before proceeding - Complete one set of tables for each outfall - Annotate the outfall number in the space provided.
NOTE: Tables V-A, V-B, and V-C are included on separate sheets.

D. Use the space below to list any of the pollutants listed in Table 2C-3 of the instructions, which you know or have reason to believe is discharged or may be discharged from any outfall. For every pollutant you list, briefly describe the reasons you believe it to be present and report any analytical data in your possession.

1. POLLUTANT	2. SOURCE

VI. POTENTIAL DISCHARGES NOT COVERED BY ANALYSIS

Is any pollutant listed in Item V-C a substance or a component of a substance which you currently use or manufacture as an immediate or final product or byproduct?

YES (list all pollutants below)

NO (go to Item VI-B)

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VII. BIOLOGICAL TOXICITY TESTING DATA

Do you have any knowledge or reason to believe that any biological test for acute or chronic toxicity has been made on any of your discharges or on a receiving water in relation to your discharge within the last 3 years?

YES (Identify the test(s) and their purposes below) NO (go to Item VIII)

VIII. CONTRACT ANALYSIS INFORMATION

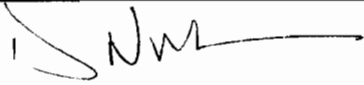
Were any of the analyses reported in Item V performed by a contract laboratory or consulting firm?

YES (list the name, address, and telephone number of, pollutants analyzed by, each such laboratory or firm below) NO (go to Item VI-B)

A. NAME	B. ADDRESS	C. TELEPHONE (area code & no.)	D. POLLUTANTS ANALYZED (list)
Analytica International Inc.	3330 Industrial Avenue Fairbanks AK 99701	(907) 456-3116	BOD, COD, TOC, TSS, Ammonia
ArcticFox Environmental, Inc.	Pouch 340043 Prudhoe Bay AK 99734	(907) 659-2145	Fecal Coliform

IX. CERTIFICATION

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system of those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

A. NAME & OFFICIAL TITLE Don Nicolson Vice President, Alaska Consolidated Team, BPXA	B. PHONE NO. (area code & no.) (907)564-5240
C. SIGNATURE 	D. DATE SIGNED 11/11/04

V. INTAKE AND EFFLUENT CHARACTERISTIC

PART A - You must provide the results of at least one analysis for every pollutant in this table. Complete one table for each outfall. See instructions for additional details.

OUTFALL NO. 001

1. POLLUTANT	2. EFFLUENT						3. UNITS (Specify if blank)		4. INTAKE (optional)			
	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAILY VALUE (if available)		c. LONG TERM AVG. VALUE (if available)		d. NO. OF ANALYSES	a. CONCENTRATION	b. MASS	e. LONG TERM AVG. VALUE		f. NO. OF ANALYSES
	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
a. Biochemical Oxygen Demand (BOD)	<6.00	<36.16			<6.00	<12.80	3.00	milligrams per liter (mg/l)	kilograms (kg)			
b. Chemical Oxygen Demand (COD)	780.00	4,700.90			623.00	1,330.2	3.00	milligrams per liter (mg/l)	kilograms (kg)			
c. Total Organic Carbon (TOC)	3.20	19.29			2.60	5.48	3.00	milligrams per liter (mg/l)	kilograms (kg)			
d. Total Suspended Solids (TSS)	704.00	4,242.87			407.00	868.5	3.00	milligrams per liter (mg/l)	kilograms (kg)			
e. Ammonia (as N)	0.53	3.19			0.44	0.95	3.00	milligrams per liter (mg/l)	kilograms (kg)			
f. Flow	VALUE 1,586,000		VALUE 684,000		VALUE 561,600		366.00	U.S. gallons per day (gpd)		VALUE		
g. Temperature (winter)	VALUE 75.90		VALUE 42.00		VALUE 37.30		273.00	DEGREES CELSIUS		VALUE		
h. Temperature (summer)	VALUE 51.80		VALUE 48.00		VALUE 44.70		92.00	DEGREES CELSIUS		VALUE		
i. pH	MINIMUM 7.00	MAXIMUM 8.39	MINIMUM	MAXIMUM			51.00	STANDARD UNITS				

V. INTAKE AND EFFLUENT CHARACTERISTIC												
OUTFALL NO. 001A												
1. POLLUTANT	2. EFFLUENT							3. UNITS (specify if blank)		4. INTAKE (optional)		
	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAILY VALUE (if available)		c. LONG TERM AVG. VALUE (if available)		d. NO. OF ANALYSES	a. CONCENTRATION	b. MASS	a. LONG TERM AVG. VALUE		b. NO. OF ANALYSES
	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
a. Biochemical Oxygen Demand (BOD)	27.00	3.01	13.10	0.51	7.30	0.21	50.00	milligrams per liter (mg/l)	kilograms (kg)			
b. Chemical Oxygen Demand (COD)	89.00	9.91			82.00	2.36	3.00	milligrams per liter (mg/l)	kilograms (kg)			
c. Total Organic Carbon (TOC)	19.00	2.11			16.30	0.47	3.00	milligrams per liter (mg/l)	kilograms (kg)			
d. Total Suspended Solids (TSS)	52.00	5.79	30.00	1.16	11.40	0.33	346.00	milligrams per liter (mg/l)	kilograms (kg)			
e. Ammonia (as N)	0.93	0.10			0.75	0.02	3.00	milligrams per liter (mg/l)	kilograms (kg)			
f. Flow	VALUE 29,290		VALUE 10,165		VALUE 7,574		366.00	U.S. gallons per day (gpd)		VALUE		
g. Temperature (winter)	VALUE No Temp Data		VALUE No Temp Data		VALUE No Temp Data			DEGREES CELSIUS		VALUE		
h. Temperature (summer)	VALUE No Temp Data		VALUE No Temp Data		VALUE No Temp Data			DEGREES CELSIUS		VALUE		
i. pH	MINIMUM 6.40	MAXIMUM 8.10	MINIMUM	MAXIMUM			346.00	STANDARD UNITS				

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V. INTAKE AND EFFLUENT CHARACTERISTIC												
OUTFALL NO. 002												
1. POLLUTANT	2. EFFLUENT						3. UNITS (specify if blank)		4. INTAKE (optional)			
	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAILY VALUE (if available)		c. LONG TERM AVG. VALUE (if available)		d. NO. OF ANALYSES	a. CONCENTRATION	b. MASS	a. LONG TERM AVG. VALUE		b. NO. OF ANALYSES
	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
a. Biochemical Oxygen Demand (BOD)	NO DATA AVAILABLE											
b. Chemical Oxygen Demand (COD)	NO DATA AVAILABLE											
c. Total Organic Carbon (TOC)	NO DATA AVAILABLE											
d. Total Suspended Solids (TSS)	NO DATA AVAILABLE											
e. Ammonia (as N)	NO DATA AVAILABLE											
f. Flow	VALUE	4,966,000	VALUE	3,917,000	VALUE	2,896,000	366.00	U.S. gallons per day (gpd)		VALUE		
g. Temperature (winter)	VALUE	11.80	VALUE	5.80	VALUE	1.60	245.00	DEGREES CELSIUS		VALUE		
h. Temperature (summer)	VALUE	11.50	VALUE	8.50	VALUE	5.40	85.00	DEGREES CELSIUS		VALUE		
i. pH	MINIMUM	MAXIMUM	MINIMUM	MAXIMUM				STANDARD UNITS				
	NO DATA AVAILABLE											

V. INTAKE AND EFFLUENT CHARACTERISTIC

PART B: Mark "X" in column 2-a for each pollutant you know or have reason to believe is present. Mark "X" in column 2-b for each pollutant you believe to be absent. If you mark column 2a for any pollutant which is limited either directly, or indirectly but expressly, in an effluent limitations guideline, you must provide the results of at least one analysis for that pollutant. For other pollutants for which you mark column 2a, you must provide quantitative data or an explanation of their presence in your discharge. Complete one table for each outfall. See instructions for additional details and requirements.

OUTFALL NO. 001

1. POLLUTANT AND CAS NO. (if available)	2. MARK "X"		3. EFFLUENT						4. UNITS		5. INTAKE (optional)			
	a. BELIEVED PRESENT	b. BELIEVED ABSENT	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAILY VALUE (if available)		c. LONG TERM AVG. VALUE (if available)		d. NO. OF ANALYSES	a. CONCENTRATION	b. MASS	a. LONG TERM AVG. VALUE		b. NO. OF ANALYSES
			(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
Bromide (24959-67-9)	X		Present in intake seawater											
Chlorine, Total Residual	X		0.100	0.60	0.035	0.09	0.025	0.05	366.00	micrograms per liter (ug/l)	kilograms			
Color	X		Present in intake seawater											
Fecal Coliform		X												
Fluoride (16984-48-8)	X		Present in intake seawater											
Nitrate - Nitrate (as N)	X		Present in intake seawater											
Nitrogen, Total Organic (as N)	X		Present in intake seawater											
Oil and Grease		X												

V. INTAKE AND EFFLUENT CHARACTERISTIC													
Phosphorus (as P), Total (7723-14-0)	X		Present in intake seawater										
Radioactivity		X											
Alpha, Total		X											
Beta, Total		X											
Radium, Total		X											
Radium 226, Total		X											
Sulfate (as SO ₄) (14808-79-8)	X		Present in intake seawater										
Sulfide (as S)	X		Present in intake seawater										
Sulfite (as SO ₃) (14265-45-3)	X		Present in intake seawater										
Surfactants		X											
Aluminum, Total (7429-90-5)	X		Present in intake seawater										
Barium, Total (7440-39-3)	X		Present in intake seawater										

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V. INTAKE AND EFFLUENT CHARACTERISTIC		
Boron, Total (7440-39-3)	X	Present in intake seawater
Cobalt, Total (7440-48-4)	X	Present in intake seawater
Iron, Total (7439-89-6)	X	Present in intake seawater
Magnesium, Total (7439-95-4)	X	Present in intake seawater
Molybdenum, Total (7439-98-7)	X	Present in intake seawater
Manganese, Total (7439-96-5)	X	Present in intake seawater
Tin, Total (7440-31-5)	X	Present in intake seawater
Titanium, Total (7440-32-6)	X	Present in intake seawater

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V. INTAKE AND EFFLUENT CHARACTERISTIC

OUTFALL NO. 001A

1. POLLUTANT AND CAS NO. (If available)	2. MARK "X"		3. EFFLUENT						4. UNITS		5. INTAKE (optional)			
	a. BELIEVED PRE-SENT	b. BELIEVED AB-SENT	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAILY VALUE (If available)		c. LONG TERM AVG. VALUE (If available)		d. NO. OF ANALYSES	a. CONC-ENTRA-TION	b. MASS	a. LONG TERM AVG. VALUE		b. NO. OF ANALYSES
			(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
Bromide (24959-67-9)		X												
Chlorine, Total Residual	X		<0.02	<0.002	<0.02	<0.001	<0.02	<0.001	366.00	milligrams per liter (mg/l)	kilograms			
Color		X												
Fecal Coliform	X		18.00	N/A	10.00	N/A	2.80	N/A	47.00	MPN/100 ml				
Fluoride (16984-48-8)		X												
Nitrate - Nitrate (as N)		X												
Nitrogen, Total Organic (as N)		X												
Oil and Grease		X												
Phosphorus (as P), Total (7723-14-0)		X												

V. INTAKE AND EFFLUENT CHARACTERISTIC													
Radioactivity		X											
Alpha, Total		X											
Beta, Total		X											
Radium, Total		X											
Radium 226, Total		X											
Sulfate (as SO ₄) (14808-79-8)		X											
Sulfide (as S)		X											
Sulfite (as SO ₃) (14265-45-3)		X											
Surfactants		X											
Aluminum, Total (7429-90-5)		X											
Barium, Total (7440-39-3)		X											
Boron, Total (7440-39-3)		X											

V. INTAKE AND EFFLUENT CHARACTERISTIC													
Cobalt, Total (7440-48-4)		X											
Iron, Total (7439-89-6)		X											
Magnesium, Total (7439-95-4)		X											
Molybdenum, Total (7439-98-7)		X											
Manganese, Total (7439-96-5)		X											
Tin, Total (7440-31-5)		X											
Titanium, Total (7440-32-6)		X											

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V. INTAKE AND EFFLUENT CHARACTERISTIC														
OUTFALL NO. 002														
1. POLLUTANT AND CAS NO. (if available)	2. MARK "X"		3. EFFLUENT						4. UNITS		5. INTAKE (optional)			
	a. BELIEVED PRESENT	b. BELIEVED ABSENT	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAILY VALUE (if available)		c. LONG TERM AVG. VALUE (if available)		d. NO. OF ANALYSES	a. CONC. ENTRA-TION	b. MASS	a. LONG TERM AVG. VALUE		b. NO. OF ANALYSES
			(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
Bromide (24959-67-9)	X		Present in intake seawater											
Chlorine, Total Residual		X												
Color	X		Present in intake seawater											
Fecal Coliform		X												
Fluoride (16984-48-8)	X		Present in intake seawater											
Nitrate - Nitrate (as N)	X		Present in intake seawater											
Nitrogen, Total Organic (as N)	X		Present in intake seawater											
Oil and Grease		X												
Phosphorus (as P), Total (7723-14-0)	X		Present in intake seawater											

V. INTAKE AND EFFLUENT CHARACTERISTIC													
Radioactivity		X											
Alpha, Total		X											
Beta, Total		X											
Radium, Total		X											
Radium 226, Total		X											
Sulfate (as SO ₄) (14808-79-8)	X		Present in intake seawater										
Sulfide (as S)	X		Present in intake seawater										
Sulfite (as SO ₃) (14265-45-3)	X		Present in intake seawater										
Surfactants		X											
Aluminum, Total (7429-90-5)	X		Present in intake seawater										
Barium, Total (7440-39-3)	X		Present in intake seawater										
Boron, Total (7440-39-3)	X		Present in intake seawater										

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V. INTAKE AND EFFLUENT CHARACTERISTIC		
Cobalt, Total (7440-48-4)	X	Present in intake seawater
Iron, Total (7439-89-6)	X	Present in intake seawater
Magnesium, Total (7439-95-4)	X	Present in intake seawater
Molybdenum, Total (7439-98-7)	X	Present in intake seawater
Manganese, Total (7439-96-5)	X	Present in intake seawater
Tin, Total (7440-31-5)	X	Present in intake seawater
Titanium, Total (7440-32-6)	X	Present in intake seawater

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V. INTAKE AND EFFLUENT CHARACTERISTIC

PART C - If you are a primary industry and this outfall contains process wastewater, refer to Table 2b-2 in the instructions to determine which of the GCMS fractions you must test for. Mark "X" in column 2-a for all such GCMS fractions that apply to your industry and for ALL toxic metals, cyanides, and total phenols. If you are not required to mark column 2-a (secondary industries, nonprocess wastewater outfalls, and nonrequired GCMS fractions), mark "X" in column 2-b for each pollutant you know or have reason to believe is present. Mark "X" in column 2-c for each pollutant you believe is absent. If you mark column 2a for any pollutant, you must provide the results of at least one analysis for that pollutant. If you mark column 2b for any pollutant, you must provide the results of at least one analysis for that pollutant if you know or have reason to believe it will be discharged in concentrations of 10 ppb or greater. If you mark column 2b for acetone, acrylonitrile, 2, 4-dinitrophenol, or 2-methyl-4, 6-dinitrophenol, you must provide the results of at least one analysis for each of these pollutants which you know or have reason to believe that you discharge in concentrations of 100 ppb or greater. Otherwise, for pollutants for which you mark column 2b, you must either submit at least one analysis or briefly describe the reasons the pollutant is expected to be discharged. Note that there are 7 pages to this part; please review each carefully. Complete one table (all 7 pages) for each outfall. See instructions for additional details and requirements.

OUTFALL NO. 001

(1) METALS, CYANIDE, AND TOTAL PHENOLS

1. POLLUTANT AND CAS NO. (if available)	2. MARK "X"			3. EFFLUENT						4. UNITS		5. INTAKE (optional)			
	a. TESTING REQUIRED	b. BELIEVED PRESENT	c. BELIEVED ABSENT	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAILY VALUE (if available)		c. LONG TERM AVG. VALUE (if available)		d. NO. OF ANALYSES	a. CONC-ENTRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANALYSES
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
1M. Antimony, Total (7440-36-0)		X		Present in intake seawater											
2M. Arsenic, Total (7440-38-2)		X		Present in intake seawater											
3M. Beryllium, Total (7440-41-7)		X		Present in intake seawater											
4M. Cadmium, Total (7440-43-9)		X		Present in intake seawater											
5M. Chromium, Total (7440-47-3)		X		Present in intake seawater											
6M. Copper, Total (7440-50-8)		X		Present in intake seawater											
7M. Lead, Total (7439-93-1)		X		Present in intake seawater											

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V. INTAKE AND EFFLUENT CHARACTERISTIC														
8M. Mercury, Total (7439-97-6)		X		Present in intake seawater										
9M. Nickel, Total (7440-02-0)		X		Present in intake seawater										
10M. Selenium, Total (7782-49-2)		X		Present in intake seawater										
11M. Silver, Total (7440-22-4)		X		Present in intake seawater										
12M. Thallium, Total (7440-28-0)		X		Present in intake seawater										
13M. Zinc, Total (7440-66-6)		X		Present in intake seawater										
14M. Cyanide, Total (57-12-5)			X											
15M. Phenols, Total			X											
2,3,7,8-Tetrachlorodi benzo-P-Dioxin (1764-01-6)			X											

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V INTAKE AND EFFLUENT CHARACTERISTIC															
OUTFALL NO. 001				(2) GC/MS FRACTION - VOLATILE COMPOUNDS											
1. POLLUTANT AND CAS NO. (if available)	2. MARK "X"			3. EFFLUENT						4. UNITS		5. INTAKE (optional)			
	a. TESTING REQUIRED	b. BELIEVED PRESENT	c. BELIEVED ABSENT	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAILY VALUE (if available)		c. LONG TERM AVG. VALUE (if available)		d. NO. OF ANALYSES	a. CONCENTRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANALYSES
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
1V. Acrolein (107-02-8)			X												
2V. Acrylonitrile (107-13-1)			X												
3V. Benzene (71-43-2)			X												
4V. Bis (Chloromethyl) Ether (542-88-1)			X												
5V. Bromoform (75-25-2)			X												
6V. Carbon Tetrachloride (56-23-5)			X												
7V. Chlorobenzene (108-90-7)			X												
8V. Chlorodibromomethane			X												
9V. Chloroethane (75-00-3)			X												

V. INTAKE AND EFFLUENT CHARACTERISTIC													
10V. Chloroethylvinyl Ether (110-75-8)			X										
11V. Chloroform (67-66-3)			X										
12V. Dichlorobromomethane			X										
13V. Dichlorodifluoromethane			X										
14V. 1,1-Dichloroethane (75-34-3)			X										
15V. 1,2-Dichloroethane (107-06-2)			X										
16V. 1,1-Dichloroethylene (75-35-4)			X										
17V. 1,2-Dichloropropane (78-87-5)			X										
18V. 1,3-Dichloropropylene			X										
19V. Ethylbenzene (100-41-4)			X										
20V. Methyl Bromide (73-84-9)			X										
21V. Methyl Chloride (74-87-3)			X										

V. INTAKE AND EFFLUENT CHARACTERISTIC													
22V. Methylene Chloride (75-09-2)			X										
23V. 1,1,2,2-Tetrachloroethane			X										
24V. Tetrachloroethylene (127-18-4)			X										
25V. Toluene (108-88-3)			X										
26V. 1,2-TransDichloroethylene			X										
27V. 1,1,1-Trichloroethane (71-55-6)			X										
28V. 1,1,2-Trichloroethane (79-00-5)			X										
29V. Trichloroethylene (79-01-6)			X										
30V. Trichlorofluoromethane			X										
31V. Vinyl Chloride (75-01-4)			X										

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V. INTAKE AND EFFLUENT CHARACTERISTIC															
OUTFALL NO. 001			(3) GC/MS FRACTION - ACID COMPOUNDS												
1. POLLUTANT AND CAS NO. (if available)	2. MARK 'X'			3. EFFLUENT						4. UNITS		5. INTAKE (optional)			
	a. TESTING REQUIRED	b. BELIEVED PRESENT	c. BELIEVED ABSENT	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAILY VALUE (if available)		c. LONG TERM AVG. VALUE (if available)		d. NO. OF ANALYSES	a. CONCENTRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANALYSES
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
1A. 2-Chlorophenol (95-57-8)			X												
2A. 2,4-Dichlorophenol (120-83-2)			X												
3A. 2,4-Dimethylphenol (105-67-9)			X												
4A. 4,6-Dinitro-O-Cresol (534-52-1)			X												
5A. 2,4-Dinitrophenol (51-28-5)			X												
6A. 2-Nitrophenol (88-75-5)			X												
7A. 4-Nitrophenol (100-02-7)			X												
8A. P-Chloro-M-Cresol (59-50-7)			X												
9A. Pentachlorophenol (87-86-5)			X												

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V. INTAKE AND EFFLUENT CHARACTERISTIC														
10A. Phenol (108-95-2)			X											
11A. 2,4,6-Trichlorophenol (88-06-2)			X											

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V. INTAKE AND EFFLUENT CHARACTERISTIC															
OUTFALL NO. 001			(4) GC/MS FRACTION - BASE/NEUTRAL COMPOUNDS												
1. POLLUTANT AND CAS NO. (if available)	2. MARK 'X'			3. EFFLUENT								4. UNITS		5. INTAKE (optional)	
	a. TESTING REQUIRED	b. BELIEVED PRESENT	c. BELIEVED ABSENT	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAILY VALUE (if available)		c. LONG TERM AVG. VALUE (if available)		d. NO. OF ANALYSES	a. CONCENTRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANALYSES
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
1B. Acenaphthene (83-32-9)			X												
2B. Acenaphthylene (208-96-8)			X												
3B. Anthracene (120-12-7)			X												
4B. Benzidine (92-87-5)			X												
5B. Benzo (a) Anthracene (56-55-3)			X												
6B. Benzo (a) Pyrene (50-32-8)			X												
7B. 3,4-Benzofluoranthene			X												
8B. Benzo (ghi) Perylene (191-24-2)			X												
9B. Benzo (k) Fluoranthene (207-08-9)			X												

V. INTAKE AND EFFLUENT CHARACTERISTIC													
10B. Bis (2-Chloroethoxy) Methane (111-91-1)			X										
11B. Bis (2-Chloroethyl) Ether (111-44-4)			X										
12B. Bis (2-Chloroisopropyl) Ether (102-60-1)			X										
13B. Bis (2-Ethylhexyl) Phthalate (117-81-7)			X										
14B. 4-Bromophenyl Phenyl Ether (101-55-3)			X										
15B. Butyl Benzyl Phthalate (85-68-7)			X										
16B. 2-Chloronaphthaiene (91-58-7)			X										
17B. 4-Chlorophenyl Phenyl Ether (7005-72-3)			X										
18B. Chrysene (218-01-9)			X										
19B. Dibenzo (a,h) Anthracene (53-70-3)			X										
20B. 1,2-Dichlorobenzene (95-50-1)			X										
21B. 1,3-Dichlorobenzene (541-73-1)			X										

V. INTAKE AND EFFLUENT CHARACTERISTIC												
22B. 1,4-Dichlorobenzene (106-46-7)			X									
23B. 3,3-Dichlorobenzidin e			X									
24B. Diethyl Phthalate (84-66-2)			X									
25B. Dimethyl Phthalate (131-11-3)			X									
26B. Di-N-Butyl Phthalate (84-74-2)			X									
27B. 2,4-Dinitrotoluene (121-14-2)			X									
28B. 2,6-Dinitrotoluene (606-20-2)			X									
29B. Di-N-Octyl Phthalate (117-84-0)			X									
30B. 1,2-Diphenylhydrazin e (122-66-7)			X									
31B. Fluoranthene (206-44-0)			X									
32B. Fluorene (86-73-7)			X									
33B. Hexachlorobenzene (118-74-1)			X									

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V. INTAKE AND EFFLUENT CHARACTERISTIC													
34B. Hexachlorocyclobutadiene			X										
35B. Hexachlorocyclopentadiene			X										
36B. Hexachloroethane (67-72-1)			X										
37B. Indeno (1,2,3-cd) Pyrene (193-39-5)			X										
38B. Isophorone (78-59-1)			X										
39B. Naphthalene (91-20-3)			X										
40B. Nitrobenzene (98-95-3)			X										
41B. N-Nitrosodimethylamine			X										
42B. N-Nitrosodi-N-Propylamine			X										
43B. N-Nitrosodiphenylamine			X										
44B. Phenanthrene (85-01-8)			X										
45B. Pyrene (129-00-0)			X										

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V. INTAKE AND EFFLUENT CHARACTERISTIC														
46B. 1,2,4 - Trichlorobenzene (120-82-1)			X											

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V. INTAKE AND EFFLUENT CHARACTERISTIC															
OUTFALL NO. 001				(5) GC/MS FRACTION - PESTICIDES											
1. POLLUTANT AND CAS NO. (if available)	2. MARK "X"			3. EFFLUENT						4. UNITS		5. INTAKE (optional)			
	a. TESTING REQUIRED	b. BELIEVED PRESENT	c. BELIEVED ABSENT	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAILY VALUE (if available)		c. LONG TERM AVG. VALUE (if available)		d. NO. OF ANALYSES	a. CONC-ENTRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANALYSES
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
1P. Aldrin (309-00-2)			X												
2P. Alpha-BHC (319-84-6)			X												
3P. Beta-BHC (319-85-7)			X												
4P. Gamma-BHC (58-89-9)			X												
5P. Delta-BHC (319-86-8)			X												
6P. Chlordane (57-74-9)			X												
7P. 4,4' - DDT (50-29-3)			X												
8P. 4,4' - DDE (72-55-9)			X												
9P. 4,4' - DDD (72-54-8)			X												

V. INTAKE AND EFFLUENT CHARACTERISTIC													
10P. Dieldrin (60-57-1)			X										
11P. Alpha-Endosulfan (115-29-7)			X										
12P. Beta-Endosulfan (115-29-7)			X										
13P. Endosulfan Sulfate (1031-07-8)			X										
14P. Endrin (72-20-8)			X										
15P. Endrin Aldehyde (7421-93-4)			X										
16P. Heptachlor (76-44-8)			X										
17P. Heptachlor Epoxide (1024-57-3)			X										
18P. PCB-1242 (53469-21-9)			X										
19P. PCB-1254 (11097-69-1)			X										
20P. PCB-1221 (11104-28-2)			X										
21P. PCB-1232 (11141-16-5)			X										

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V. INTAKE AND EFFLUENT CHARACTERISTIC													
22P. PCB-1248 (12672-29-6)			X										
23P. PCB-1260 (11096-82-5)			X										
24P. PCB-1016 (12674-11-2)			X										
25P. Toxaphene (8001-35-2)			X										

ENDICOTT

V. INTAKE AND EFFLUENT CHARACTERISTIC															
OUTFALL NO. 001A			(1) METALS, CYANIDE, AND TOTAL PHENOLS												
1. POLLUTANT AND CAS NO. (if available)	2. MARK 'X'			3. EFFLUENT						4. UNITS		5. INTAKE (optional)			
	a. TESTING REQUIRED	b. BELIEVED PRESENT	c. BELIEVED ABSENT	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAILY VALUE (if available)		c. LONG TERM AVG. VALUE (if available)		d. NO. OF ANALYSES	a. CONCENTRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANALYSES
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
1M. Antimony, Total (7440-36-0)			X												
2M. Arsenic, Total (7440-38-2)			X												
3M. Beryllium, Total (7440-41-7)			X												
4M. Cadmium, Total (7440-43-9)			X												
5M. Chromium, Total (7440-47-3)			X												
6M. Copper, Total (7440-50-8)			X												
7M. Lead, Total (7439-93-1)			X												
8M. Mercury, Total (7439-97-6)			X												
9M. Nickel, Total (7440-02-0)			X												

V. INTAKE AND EFFLUENT CHARACTERISTIC													
10M. Selenium, Total (7782-49-2)			X										
11M. Silver, Total (7440-22-4)			X										
12M. Thallium, Total (7440-28-0)			X										
13M. Zinc, Total (7440-66-6)			X										
14M. Cyanide, Total (57-12-5)			X										
15M. Phenols, Total			X										
2,3,7,8-Tetrachlorodi benzo-P-Dioxin (1764-01-6)			X										

V. INTAKE AND EFFLUENT CHARACTERISTIC															
OUTFALL NO. 001A				(2) GC/MS FRACTION - VOLATILE COMPOUNDS											
1. POLLUTANT AND CAS NO. (if available)	2. MARK "X"			3. EFFLUENT						4. UNITS		5. INTAKE (optional)			
	a. TESTING REQUIRED	b. BELIEVED PRESENT	c. BELIEVED ABSENT	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAILY VALUE (if available)		c. LONG TERM AVG. VALUE (if available)		d. NO. OF ANALYSES	a. CONCENTRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANALYSES
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
1V. Acrolein (107-02-8)			X												
2V. Acrylonitrile (107-13-1)			X												
3V. Benzene (71-43-2)			X												
4V. Bis (Chloromethyl) Ether (542-88-1)			X												
5V. Bromoform (75-25-2)			X												
6V. Carbon Tetrachloride (56-23-5)			X												
7V. Chlorobenzene (108-90-7)			X												
8V. Chlorodibromomethane			X												
9V. Chloroethane (75-00-3)			X												

V. INTAKE AND EFFLUENT CHARACTERISTIC													
10V. Chloroethylvinyl Ether (110-75-8)			X										
11V. Chloroform (67-66-3)			X										
12V. Dichlorobromomethane			X										
13V. Dichlorodifluoromethane			X										
14V. 1,1-Dichloroethane (75-34-3)			X										
15V. 1,2-Dichloroethane (107-06-2)			X										
16V. 1,1-Dichloroethylene (75-35-4)			X										
17V. 1,2-Dichloropropane (78-87-5)			X										
18V. 1,3-Dichloropropylene			X										
19V. Ethylbenzene (100-41-4)			X										
20V. Methyl Bromide (73-84-9)			X										
21V. Methyl Chloride (74-87-3)			X										

V. INTAKE AND EFFLUENT CHARACTERISTIC													
22V. Methylene Chloride (75-09-2)			X										
23V. 1,1,2,2-Tetrachloroethane			X										
24V. Tetrachloroethylene (127-18-4)			X										
25V. Toluene (108-88-3)			X										
26V. 1,2-TransDichloroethylene			X										
27V. 1,1,1-Trichloroethane (71-55-6)			X										
28V. 1,1,2-Trichloroethane (79-00-5)			X										
29V. Trichloroethylene (79-01-6)			X										
30V. Trichlorofluoromethane			X										
31V. Vinyl Chloride (75-01-4)			X										

ENDICOTT

V. INTAKE AND EFFLUENT CHARACTERISTIC

OUTFALL NO. 001A

(3) GC/MS FRACTION - ACID COMPOUNDS

1. POLLUTANT AND CAS NO. (if available)	2. MARK "X"			3. EFFLUENT						4. UNITS		5. INTAKE (optional)			
	a. TESTING REQUIRED	b. BELIEVED PRESENT	c. BELIEVED ABSENT	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAILY VALUE (if available)		c. LONG TERM AVG. VALUE (if available)		d. NO. OF ANALYSES	a. CONCENTRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANALYSES
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
1A. 2-Chlorophenol (95-57-8)			X												
2A. 2,4-Dichlorophenol (120-83-2)			X												
3A. 2,4-Dimethylphenol (105-67-9)			X												
4A. 4,6-Dinitro-O-Cresol (534-52-1)			X												
5A. 2,4-Dinitrophenol (51-28-5)			X												
6A. 2-Nitrophenol (88-75-5)			X												
7A. 4-Nitrophenol (100-02-7)			X												
8A. P-Chloro-M-Cresol (59-50-7)			X												
9A. Pentachlorophenol (87-86-5)			X												

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V. INTAKE AND EFFLUENT CHARACTERISTIC													
10A. Phenol (108-95-2)			X										
11A. 2,4,6-Trichlorophenol (88-06-2)			X										

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V. INTAKE AND EFFLUENT CHARACTERISTIC															
OUTFALL NO. 001A			(4) GC/MS FRACTION - BASE/NEUTRAL COMPOUNDS												
1. POLLUTANT AND GAS NO. (if available)	2. MARK "X"			3. EFFLUENT						4. UNITS		5. INTAKE (optional)			
	a. TESTING REQUIRED	b. BELIEVED PRESENT	c. BELIEVED ABSENT	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAILY VALUE (if available)		c. LONG TERM AVG. VALUE (if available)		d. NO. OF ANALYSES	a. CONCENTRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANALYSES
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
1B. Acenaphthene (83-32-9)			X												
2B. Acenaphthylene (208-96-8)			X												
3B. Anthracene (120-12-7)			X												
4B. Benzdine (92-87-5)			X												
5B. Benzo (a) Anthracene (56-55-3)			X												
6B. Benzo (a) Pyrene (50-32-8)			X												
7B. 3,4-Benzofluoranthene			X												
8B. Benzo (ghi) Perylene (191-24-2)			X												
9B. Benzo (k) Fluoranthene (207-08-9)			X												

V. INTAKE AND EFFLUENT CHARACTERISTIC													
10B. Bis (2-Chloroethoxy) Methane (111-91-1)			X										
11B. Bis (2-Chloroethyl) Ether (111-44-4)			X										
12B. Bis (2-Chloroisopropyl) Ether (102-60-1)			X										
13B. Bis (2-Ethylhexyl) Phthalate (117-81-7)			X										
14B. 4-Bromophenyl Phenyl Ether (101-55-3)			X										
15B. Butyl Benzyl Phthalate (85-68-7)			X										
16B. 2-Chloronaphthaiene (91-58-7)			X										
17B. 4-Chlorophenyl Phenyl Ether (7005-72-3)			X										
18B. Chrysene (218-01-9)			X										
19B. Dibenzo (a,h) Anthracene (53-70-3)			X										
20B. 1,2-Dichlorobenzene (95-50-1)			X										
21B. 1,3-Dichlorobenzene (541-73-1)			X										

ENDICOTT

V. INTAKE AND EFFLUENT CHARACTERISTIC													
22B. 1,4-Dichlorobenzene (106-46-7)			X										
23B. 3,3-Dichlorobenzidine			X										
24B. Diethyl Phthalate (84-66-2)			X										
25B. Dimethyl Phthalate (131-11-3)			X										
26B. Di-N-Butyl Phthalate (84-74-2)			X										
27B. 2,4-Dinitrotoluene (121-14-2)			X										
28B. 2,6-Dinitrotoluene (606-20-2)			X										
29B. Di-N-Octyl Phthalate (117-84-0)			X										
30B. 1,2-Diphenylhydrazin e (122-66-7)			X										
31B. Fluoranthene (206-44-0)			X										
32B. Fluorene (86-73-7)			X										
33B. Hexachlorobenzene (118-74-1)			X										

V. INTAKE AND EFFLUENT CHARACTERISTIC													
34B. Hexachlorocyclobutadiene			X										
35B. Hexachlorocyclopentadiene			X										
36B. Hexachloroethane (67-72-1)			X										
37B. Indeno (1,2,3-cd) Pyrene (193-39-5)			X										
38B. Isophorone (78-59-1)			X										
39B. Naphthalene (91-20-3)			X										
40B. Nitrobenzene (98-95-3)			X										
41B. N-Nitrosodimethylamine			X										
42B. N-Nitrosodi-N-Propylamine			X										
43B. N-Nitrosodiphenylamine			X										
44B. Phenanthrene (85-01-8)			X										
45B. Pyrene (129-00-0)			X										

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EPA I.D. NUMBER (copy from Item 1 of Form 1)

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V. INTAKE AND EFFLUENT CHARACTERISTIC

46B. 1,2,4 - Trichlorobenzene (120-82-1)			X														
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ENDICOTT

V. INTAKE AND EFFLUENT CHARACTERISTIC															
OUTFALL NO. 001A				(5) GC/MS FRACTION - PESTICIDES											
1. POLLUTANT AND CAS NO. (if available)	2. MARK "X"			3. EFFLUENT						4. UNITS		5. INTAKE (optional)			
	a. TESTING REQUIRED	b. BELIEVED PRESENT	c. BELIEVED ABSENT	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAILY VALUE (if available)		c. LONG TERM AVG. VALUE (if available)		d. NO. OF ANALYSES	a. CONCENTRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANALYSES
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
1P. Aldrin (309-00-2)			X												
2P. Alpha-BHC (319-84-6)			X												
3P. Beta-BHC (319-85-7)			X												
4P. Gamma-BHC (58-89-9)			X												
5P. Delta-BHC (319-86-8)			X												
6P. Chlordane (57-74-9)			X												
7P. 4,4' - DDT (50-29-3)			X												
8P. 4,4' - DDE (72-55-9)			X												
9P. 4,4' - DDD (72-54-8)			X												

V. INTAKE AND EFFLUENT CHARACTERISTIC													
10P. Dieldrin (60-57-1)			X										
11P. Alpha-Endosulfan (115-29-7)			X										
12P. Beta-Endosulfan (115-29-7)			X										
13P. Endosulfan Sulfate (1031-07-8)			X										
14P. Endrin (72-20-8)			X										
15P. Endrin Aldehyde (7421-93-4)			X										
16P. Heptachlor (76-44-8)			X										
17P. Heptachlor Epoxide (1024-57-3)			X										
18P. PCB-1242 (53469-21-9)			X										
19P. PCB-1254 (11097-69-1)			X										
20P. PCB-1221 (11104-28-2)			X										
21P. PCB-1232 (11141-16-5)			X										

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V. INTAKE AND EFFLUENT CHARACTERISTIC														
22P. PCB-1248 (12672-29-6)			X											
23P. PCB-1260 (11096-82-5)			X											
24P. PCB-1016 (12674-11-2)			X											
25P. Toxaphene (8001-35-2)			X											

V. INTAKE AND EFFLUENT CHARACTERISTIC															
OUTFALL NO. 002				(1) METALS, CYANIDE, AND TOTAL PHENOLS											
1. POLLUTANT AND CAS NO. (If available)	2. MARK "X"			3. EFFLUENT						4. UNITS		5. INTAKE (optional)			
	a. TESTING REQUIRED	b. BELIEVED PRESENT	c. BELIEVED ABSENT	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAILY VALUE (if available)		c. LONG TERM AVG. VALUE (if available)		d. NO. OF ANALYSES	a. CONCENTRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANALYSES
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
1M. Antimony, Total (7440-36-0)		X		Present in intake seawater											
2M. Arsenic, Total (7440-38-2)		X		Present in intake seawater											
3M. Beryllium, Total (7440-41-7)		X		Present in intake seawater											
4M. Cadmium, Total (7440-43-9)		X		Present in intake seawater											
5M. Chromium, Total (7440-47-3)		X		Present in intake seawater											
6M. Copper, Total (7440-50-8)		X		Present in intake seawater											
7M. Lead, Total (7439-93-1)		X		Present in intake seawater											
8M. Mercury, Total (7439-97-6)		X		Present in intake seawater											
9M. Nickel, Total (7440-02-0)		X		Present in intake seawater											

V. INTAKE AND EFFLUENT CHARACTERISTIC														
10M. Selenium, Total (7782-49-2)		X		Present in intake seawater										
11M. Silver, Total (7440-22-4)		X		Present in intake seawater										
12M. Thallium, Total (7440-28-0)		X		Present in intake seawater										
13M. Zinc, Total (7440-66-6)		X		Present in intake seawater										
14M. Cyanide, Total (57-12-5)			X											
15M. Phenols, Total			X											
2,3,7,8-Tetrachlorodi benzo-P-Dioxin (1764-01-6)			X											

V. INTAKE AND EFFLUENT CHARACTERISTIC															
OUTFALL NO. 002				(2) GC/MS FRACTION - VOLATILE COMPOUNDS											
1. POLLUTANT AND CAS NO. (if available)	2. MARK "X"			3. EFFLUENT						4. UNITS		5. INTAKE (optional)			
	a. TESTING REQUIRED	b. BELIEVED PRESENT	c. BELIEVED ABSENT	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAILY VALUE (if available)		c. LONG TERM AVG. VALUE (if available)		d. NO. OF ANALYSES	a. CONCENTRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANALYSES
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
1V. Acrolein (107-02-8)			X												
2V. Acrylonitrile (107-13-1)			X												
3V. Benzene (71-43-2)			X												
4V. Bis (Chloromethyl) Ether (542-88-1)			X												
5V. Bromoform (75-25-2)			X												
6V. Carbon Tetrachloride (56-23-5)			X												
7V. Chlorobenzene (108-90-7)			X												
8V. Chlorodibromomethane			X												
9V. Chloroethane (75-00-3)			X												

V. INTAKE AND EFFLUENT CHARACTERISTIC													
10V. Chloroethylvinyl Ether (110-75-8)			X										
11V. Chloroform (67-66-3)			X										
12V. Dichlorobromomethane			X										
13V. Dichlorodifluoromethane			X										
14V. 1,1-Dichloroethane (75-34-3)			X										
15V. 1,2-Dichloroethane (107-06-2)			X										
16V. 1,1-Dichloroethylene (75-35-4)			X										
17V. 1,2-Dichloropropane (78-87-5)			X										
18V. 1,3-Dichloropropylene			X										
19V. Ethylbenzene (100-41-4)			X										
20V. Methyl Bromide (73-84-9)			X										
21V. Methyl Chloride (74-87-3)			X										

V. INTAKE AND EFFLUENT CHARACTERISTIC													
22V. Methylene Chloride (75-09-2)			X										
23V. 1,1,2,2-Tetrachloroethane			X										
24V. Tetrachloroethylene (127-18-4)			X										
25V. Toluene (108-88-3)			X										
26V. 1,2-TransDichloroethylene			X										
27V. 1,1,1-Trichloroethane (71-55-6)			X										
28V. 1,1,2-Trichloroethane (79-00-5)			X										
29V. Trichloroethylene (79-01-6)			X										
30V. Trichlorofluoromethane			X										
31V. Vinyl Chloride (75-01-4)			X										

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V. INTAKE AND EFFLUENT CHARACTERISTIC															
OUTFALL NO. 002			(3) GC/MS FRACTION - ACID COMPOUNDS												
1. POLLUTANT AND CAS NO. (if available)	2. MARK "X"			3. EFFLUENT						4. UNITS		5. INTAKE (optional)			
	a. TESTING REQUIRED	b. BELIEVED PRESENT	c. BELIEVED ABSENT	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAILY VALUE (if available)		c. LONG TERM AVG. VALUE (if available)		d. NO. OF ANALYSES	a. CONCENTRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANALYSES
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
1A. 2-Chlorophenol (95-57-8)			X												
2A. 2,4-Dichlorophenol (120-83-2)			X												
3A. 2,4-Dimethylphenol (105-67-9)			X												
4A. 4,6-Dinitro-O-Cresol (534-52-1)			X												
5A. 2,4-Dinitrophenol (51-28-5)			X												
6A. 2-Nitrophenol (88-75-5)			X												
7A. 4-Nitrophenol (100-02-7)			X												
8A. P-Cholro-M-Cresol (59-50-7)			X												
9A. Pentachlorophenol (87-86-5)			X												

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V. INTAKE AND EFFLUENT CHARACTERISTIC														
10A. Phenol (108-95-2)			X											
11A. 2,4,6-Trichlorophenol (88-06-2)			X											

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V. INTAKE AND EFFLUENT CHARACTERISTIC															
OUTFALL NO. 002				(4) GC/MS FRACTION - BASE/NEUTRAL COMPOUNDS											
1. POLLUTANT AND CAS NO. (if available)	2. MARK 'X'			3. EFFLUENT						4. UNITS		5. INTAKE (optional)			
	a. TESTING REQUIRED	b. BELIEVED PRESENT	c. BELIEVED ABSENT	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAILY VALUE (if available)		c. LONG TERM AVG. VALUE (if available)		d. NO. OF ANALYSES	a. CONCENTRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANALYSES
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
1B. Acenaphthene (83-32-9)			X												
2B. Acenaphthylene (208-96-8)			X												
3B. Anthracene (120-12-7)			X												
4B. Benzidine (92-87-5)			X												
5B. Benzo (a) Anthracene (56-55-3)			X												
6B. Benzo (a) Pyrene (50-32-8)			X												
7B. 3,4-Benzofluoranthene			X												
8B. Benzo (ghi) Perylene (191-24-2)			X												
9B. Benzo (k) Fluoranthene (207-08-9)			X												

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V. INTAKE AND EFFLUENT CHARACTERISTIC													
10B. Bis (2-Chloroethoxy) Methane (111-91-1)			X										
11B. Bis (2-Chloroethyl) Ether (111-44-4)			X										
12B. Bis (2-Chloroisopropyl) Ether (102-60-1)			X										
13B. Bis (2-Ethylhexyl) Phthalate (117-81-7)			X										
14B. 4-Bromophenyl Phenyl Ether (101-55-3)			X										
15B. Butyl Benzyl Phthalate (85-68-7)			X										
16B. 2-Chloronaphthaiene (91-58-7)			X										
17B. 4-Chlorophenyl Phenyl Ether (7005-72-3)			X										
18B. Chrysene (218-01-9)			X										
19B. Dibenzo (a,h) Anthracene (53-70-3)			X										
20B. 1,2-Dichlorobenzene (95-50-1)			X										
21B. 1,3-Dichlorobenzene (541-73-1)			X										

V. INTAKE AND EFFLUENT CHARACTERISTIC												
22B. 1,4-Dichlorobenzene (106-46-7)			X									
23B. 3,3-Dichlorobenzidin e			X									
24B. Diethyl Phthalate (84-66-2)			X									
25B. Dimethyl Phthalate (131-11-3)			X									
26B. Di-N-Butyl Phthalate (84-74-2)			X									
27B. 2,4-Dinitrotoluene (121-14-2)			X									
28B. 2,6-Dinitrotoluene (606-20-2)			X									
29B. Di-N-Octyl Phthalate (117-84-0)			X									
30B. 1,2-Diphenylhydrazin e (122-66-7)			X									
31B. Fluoranthene (206-44-0)			X									
32B. Fluorene (86-73-7)			X									
33B. Hexachlorobenzene (118-74-1)			X									

V. INTAKE AND EFFLUENT CHARACTERISTIC													
34B. Hexachlorocyclobutadiene			X										
35B. Hexachlorocyclopentadiene			X										
36B. Hexachloroethane (67-72-1)			X										
37B. Indeno (1,2,3-cd) Pyrene (193-39-5)			X										
38B. Isophorone (78-59-1)			X										
39B. Naphthalene (91-20-3)			X										
40B. Nitrobenzene (98-95-3)			X										
41B. N-Nitrosodimethylamine			X										
42B. N-Nitrosodi-N-Propylamine			X										
43B. N-Nitrosodiphenylamine			X										
44B. Phenanthrene (85-01-8)			X										
45B. Pyrene (129-00-0)			X										

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V. INTAKE AND EFFLUENT CHARACTERISTIC													
46B. 1,2,4 - Trichlorobenzene (120-82-1)			X										

V. INTAKE AND EFFLUENT CHARACTERISTIC															
OUTFALL NO. 002			(5) GC/MS FRACTION - PESTICIDES												
1. POLLUTANT AND CAS NO. (If available)	2. MARK 'X'			3. EFFLUENT						4. UNITS		5. INTAKE (optional)			
	a. TESTING REQUIRED	b. BELIEVED PRESENT	c. BELIEVED ABSENT	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAILY VALUE (if available)		c. LONG TERM AVG. VALUE (if available)		d. NO. OF ANALYSES	a. CONCENTRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANALYSES
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
1P. Aldrin (309-00-2)			X												
2P. Alpha-BHC (319-84-6)			X												
3P. Beta-BHC (319-85-7)			X												
4P. Gamma-BHC (58-89-9)			X												
5P. Delta-BHC (319-86-8)			X												
6P. Chlordane (57-74-9)			X												
7P. 4,4' - DDT (50-29-3)			X												
8P. 4,4' - DDE (72-55-9)			X												
9P. 4,4' - DDD (72-54-8)			X												

V. INTAKE AND EFFLUENT CHARACTERISTIC													
10P. Dieldrin (60-57-1)			X										
11P. Alpha-Endosulfan (115-29-7)			X										
12P. Beta-Endosulfan (115-29-7)			X										
13P. Endosulfan Sulfate (1031-07-8)			X										
14P. Endrin (72-20-8)			X										
15P. Endrin Aldehyde (7421-93-4)			X										
16P. Heptachlor (76-44-8)			X										
17P. Heptachlor Epoxide (1024-57-3)			X										
18P. PCB-1242 (53469-21-9)			X										
19P. PCB-1254 (11097-69-1)			X										
20P. PCB-1221 (11104-28-2)			X										
21P. PCB-1232 (11141-16-5)			X										

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V. INTAKE AND EFFLUENT CHARACTERISTIC														
22P. PCB-1248 (12672-29-6)			X											
23P. PCB-1260 (11096-82-5)			X											
24P. PCB-1016 (12674-11-2)			X											
25P. Toxaphene (8001-35-2)			X											