

November 12, 2004

Mr. Jonathan Bishop, Executive Officer  
California Regional Water Quality  
Control Board, Los Angeles Region  
320 West 4<sup>th</sup> Street, Suite 200  
Los Angeles, CA 90013

Dear Mr. Bishop:

**SUBJECT: RENEWAL OF WASTE DISCHARGE REQUIREMENTS/NPDES PERMIT—  
~~AES REDONDO BEACH, L.L.C.~~ — REDONDO BEACH GENERATING STATION  
LOCATED AT 1100 N. HARBOR DRIVE, REDONDO BEACH (ORDER NO. CA0001201,  
CI 0536)**

Enclosed are two copies of the completed NPDES Permit Application Forms 1 and 2C for renewal of NPDES Permit and Waste Discharge Requirements (Order No. CA0001201, CI 0536) for AES Redondo Beach L.L.C. The application includes exhibits providing additional information on Form C items II.B.3.a, II. C and V. Since annual fees are paid for this facility, no application fees are enclosed.

Please be advised that, since the issuance of Order No. 00-085 the Chemical Cleaning Retention Basin has been removed from service and cleaned. Precipitation that falls into this basin is retained and evaporated. As a result, no industrial activity occurs in the area tributary to the storm drain inlet on the Northeast corner of the facility. All storm water that does fall on the portions of the facility where industrial activity occurs is collected by yard drains and is discharged via Outfalls 001 and 002.

**Requested Permit Revisions**

1. As noted above, all storm water runoff that falls on portions of the facility conducting industrial activities is collected by yard drains and is discharged via Outfall Nos. 001 and 002. Therefore, it is requested that storm water compliance requirements be incorporated into NPDES CA0001201 in the same manner as requirement II.A of the NPDES permit for the Alamitos Generating Station (Order No. 00-082, NPDES Permit No. CA 0001139).
2. USEPA and the Regional Board have determined that the discharge from the retention basin is an in-plant waste stream. It is requested that the specific pH limits for the Retention Basin (2.0-12.0) be included in requirement I.A.7 (Effluent Limitations for Inplant Waste Stream) so that the EPA DMR forms can be corrected.
3. Provide for intake credits for metals to avoid assessment of violations where concentrations in the intake water exceeds discharge limits.

Mr. Jonathan Bishop, Executive Officer  
California Regional Water Quality  
Control Board, Los Angeles Region  
November 12, 2004  
Page 2

4. Provision III.A.1 of Monitoring and Reporting Program requires quarterly chronic toxicity monitoring. However, AES Redondo Beach generally operates infrequently and for relatively short periods during the winter months. In addition, little notice of the need to operate is provided by the Independent System Operator. The infrequent operations and the lack of lead time makes toxicity monitoring during the winter months extremely difficult. To meet this requirement the Generating Station is required to start the pumps and discharge specifically to perform a chronic toxicity test. Therefore, we request that the Chronic Toxicity monitoring requirement be modified to specify monitoring at the beginning and end of the summer and delete the requirement to monitor during the winter months. In addition, chronic toxicity is consistently within compliance.
5. Frequently, AES Redondo Beach is not operating and is not discharging through either outfall or is only discharging through one outfall. As noted in item 4 above, the Generating Station operates infrequently during the winter months. However, provision III.A.1 of Monitoring and Reporting Program CI-0536 requires weekly pH measurements at the Outfalls. As a result, pH is frequently measured at the Outfalls during weeks when there is no discharge. It is requested that this provision be revised to only require weekly monitoring of either Outfall during weeks when Circulating Water Pumps are running.
6. Provision III.A of Monitoring and Reporting Program CI-0536 also requires daily monitoring of total and free available chlorine. It is requested that monitoring be limited to total chlorine. If total chlorine is below the limit, than residual chlorine will also be below the limit.

A more effective chlorine limitation would be to require addition of chlorine by mass based on the number of operating circulating water pumps. This is possible because a fixed mass of chlorine (i.e. 4 gallons of 12.5% bleach at 1 GPM for each circulating water pump that is operating) will give a fixed concentration based on the number of operating pumps. This is a more restrictive limit and would eliminate any error and provide more effective protection of water quality.

7. Submit the reports in one mailing per month. The August 11, 2000 cover letter for the current permit states "do not combine your discharge monitoring reports with other reports". Subsequently, we have been instructed by the board to submit one envelope containing all due reports.
8. It is requested that the Regional Board coordinate with USEPA to determine if the requirement for submittal of DMRs can be met by the submittal of electronic data to the Regional Board. This will save considerable paperwork and time.

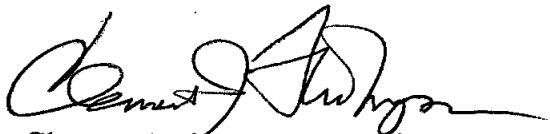
URS Corporation is assisting AES Redondo Beach, L.L.C. in the renewal of the NPDES permit. Please contact either Gary Leckonby at (310)-318-7441, RaNae Loveland at (310) 318-7418 or

Mr. Jonathan Bishop, Executive Officer  
California Regional Water Quality  
Control Board, Los Angeles Region  
November 12, 2004  
Page 3

Robert Collacott of URS (714.648.2726) regarding information in the attached permit application, facility operations and other coordination related to the renewal of the permit.

Please call if you should have any questions.

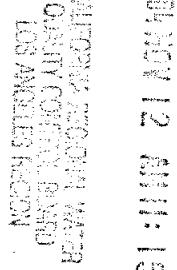
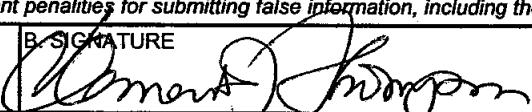
Sincerely,



Clement J. Thompson, President

Enclosures

FORM 1	 <b>U.S. ENVIRONMENTAL PROTECTION AGENCY</b> <b>GENERAL INFORMATION</b> <i>Consolidated Permits Program</i> <i>(Read the "General Instructions" before starting.)</i>			I. EPA I.D. NUMBER  <b>CAR000038893</b>
<b>II. FACILITY ITEMS</b> <b>III. EPA ID NUMBER</b> <b>IV. FACILITY NAME</b> <b>V. FACILITY MAILING ADDRESS</b> <b>VI. FACILITY LOCATION</b> <b>VII. FEDERAL/STATE CHARACTERISTICS</b>		<b>PLEASE PLACE LABEL IN THIS SPACE</b>		
<b>GENERAL INSTRUCTIONS</b> 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 area. If no label is being used, write the facility name in the area to the left of the label space. If the information that should appear on a preprinted label is not filled in, do not use the label. Please provide all the required information below. This form is complete and correct if you have not completed items V-VII, V-VI, or V-VII. If you have completed items V-VII, check off each item and attach a copy of the label to this page. If no label has been provided, refer to the instructions for detailed item descriptions and for the location where the information may be collected.				
<b>OPTIONAL FORMS ATTACHED</b> Checkmark if applicable. If checked, attach copies of the forms listed below. See also Section D of the instructions concerning optional forms.				
<b>II. FACILITY ITEMS</b>		<b>MARK X</b> <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO <b>FORM #</b> <input type="checkbox"/> ATTACHED	<b>III. EPA ID NUMBER</b>	
		<b>IV. FACILITY NAME</b>		<b>MARK X</b> <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO <b>FORM #</b> <input type="checkbox"/> ATTACHED
<b>V. FACILITY MAILING ADDRESS</b>		<b>VI. FACILITY LOCATION</b>		<b>MARK X</b> <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO <b>FORM #</b> <input type="checkbox"/> ATTACHED
<b>VII. FEDERAL/STATE CHARACTERISTICS</b>		<b>VIII. STATEMENT OF COMPLIANCE</b>		<b>MARK X</b> <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO <b>FORM #</b> <input type="checkbox"/> ATTACHED
<b>IX. NAME &amp; TITLE (last, first &amp; title)</b> RaNae P. Loveland Station Support		<b>X. PHONE (area code 310)</b> 3103187418		
<b>XI. STREET OR PO BOX</b> 1100 North Harbor Drive				
<b> XII. CITY/TOWN</b> Redondo Beach		<b> XIII. STATE</b> CA	<b> XIV. ZIP CODE</b> 90277	
<b>XV. COUNTRY CODE (if known)</b> Los Angeles				
<b>XVI. CITY/TOWN</b> Redondo Beach		<b>XVII. STATE</b> CA	<b>XVIII. ZIP CODE</b> 90277	<b>XIX. COUNTRY CODE (if known)</b>

<b>VIII-A CODES REVIEWED IN ORDER OF PRIORITY</b>			
<b>A. FIRST</b>		<b>B. SECOND</b>	
G F S P	4911 (specify) Steam Electric Generation	G F S P	(specify)
<b>C. THIRD</b>		<b>D. FOURTH</b>	
G F S P	(specify)	G F S P	(specify)
<b>VIII-B OPERATOR INFORMATION</b>			
<b>A. NAME</b>		<b>B. Is the name listed in Item VIII-A also the owner?</b>	
AES Redondo Beach, L.L.C.		Yes	
<b>C. STATUS OF OPERATOR</b> (Enter the appropriate letter into the answer box; if "Other," specify.)			
F=FEDERAL S=STATE P=PRIVATE	M=PUBLIC (other than federal or state) O=OTHER (specify)	P  P	(specify)
		<b>D. PHONE (area code &amp; no.)</b>	
		3103187442	
<b>E. STREET OR PO BOX</b>			
1100 North Harbor Drive			
<b>F. CITY/TOWN</b>		<b>G. STATE</b>	<b>H. ZIP CODE</b>
Redondo Beach		CA	90277
		<b>I. Is the facility located on Indian lands?</b> No	
<b>IX. EXISTING ENVIRONMENTAL PERMITS</b>			
<b>A. NPDES (Discharges to Surface Water)</b>		<b>B. PSD (Air Emissions from Proposed Sources)</b>	
CA0001201			
<b>C. Underground Injection of Fluids</b>		<b>D. OTHER</b>	
		(specify)	
<b>E. RCRA (Hazardous Waste)</b>		<b>F. OTHER</b>	
		(specify)	
<b>X. MAP</b>			
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.			
<b>XI. NATURE OF BUSINESS (Provide a brief description)</b>			
Steam Electric Power Generation			
 			
<b>XII. CERTIFICATION</b>			
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 this 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.			
<b>A. NAME &amp; OFFICIAL TITLE</b> (type or print)		<b>B. SIGNATURE</b>	<b>C. DATE SIGNED</b>
Clement J. Thompson President			11/11/04
<b>COMMENTS FOR OFFICE USE ONLY</b>			
<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>			

FORM  
2C  
NPDES



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

**1. SOURCE LOCATION**

Indicate latitude and longitude of location of the nearest 100 points and the name of the receiving water.

POINT NUMBER (100)	B LATITUDE			C LONGITUDE			D RECEIVING WATER (name)
	1 DEG	2 MIN	3 SEC	1 DEG	2 MIN	3 SEC	
001	33.00	50.00	58.00	118.00	24.00	8.00	Pacific Ocean
002	33.00	50.00	53.00	118.00	23.00	34.00	Pacific Ocean

**II. FLOWS, SOURCES OF POLLUTION, AND TREATMENT TECHNOLOGIES**

A. Indicate piping or water flow throughout the facility. Indicate source and type of water operations contributing wastewater to the facility. If treatment units listed do not correspond to the more detailed descriptions in item C, construct a flow balance on the line drawing by showing percentages between intakes, operations, treatment units, and outfalls. If total balance cannot be determined, do not certain mining effluents - provide a pictorial description of the nature and amount of any water diversion, collection, or treatment issues.

B. For each outlet, provide a description of (1) All operations contributing wastewater to the stream, including process waste water, sanitary sewer overflows, cooling water and storm water runoff; (2) The average flow contributed by each operation; and (3) The treatment received by the outlet, including offsite treatment if necessary.

OPERATION NUMBER (100)	OPERATIONS CONTRIBUTING FLOW		TREATMENT	
	OPERATION (10)	AVERAGE FLOW (in thousands)	DESCRIPTION	PERMIT CODES FROM TABLE II
001	Condenser Cooling	70 MGD	Ocean Discharge	4-B
	Well Point System	1.5 MGD	Ocean Discharge	4-B
	Yard Drains (storm water runoff)	150 gpd	Ocean Discharge	4-B
	Condensate Overboard (intermittent)	275 gpd	Ocean Discharge	4-B
	Condensate Demineralizers Regeneration Wastes (intermittent)	2000 gpd	Retention & Ocean Discharge	4-B
	Floor Drains (intermittent)	85 gpd	Retention & Ocean Discharge	4-B
	Units 1 - 6 Fireside and Air Preheater Washes (potential maintenance)	0.77 MGD (if this occurs)	Retention & Ocean Discharge	4-B
	Boiler Blowdown (intermittent)	4100 gpd	Retention & Ocean Discharge	4-B
	Units 7 & 8 Fireside & Air Preheater Washes (potential maintenance)	0.87 MGD (if this occurs)	Retention & Ocean Discharge	4-B
	Units 5 - 8 Metal Chemical Cleaning Wastes (may occur every 3 years)	0.12 MGD (during maintenance activity)	Lime Precipitation, Retention, Sludge Disposal & Ocean Discharge	2-C
002	Condenser Cooling	140 MGD	Ocean Discharge	4-B
	Condensate Overboard (intermittent)	275 gpd	Ocean Discharge	4-B
	Yard Drains (storm water runoff)	150 gpd	Ocean Discharge	4-B

OFFICIAL USE ONLY - Other guidelines still apply.

This permit application  
form was electronically  
generated by P.A.S.S.

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

**CAR000038893**

Form Approved 1/14/99  
OMB Number 2040-0086

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

- a. 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)

## **II. PRODUCTION**

- b. Does the minimum guidelines and applicable regulations under Section 316 of the Clean Water Act apply to your facility?  
 YES (complete Item II-B)       NO (go to Section IV)

- c. Are site limitations in the applicable effluent guideline exceeded in terms of production to one sector of production?  
 YES (complete Item II-C)       NO (go to Section IV)

- d. Is the discharge in Item II-B 1st quantity, which represents a visual measurement of all types of production, expressed in the terms defined in the applicable effluent guideline and indicated in Section II-B?

## **III. IMPROVEMENTS**

- e. Are additional required by law federal, state, local authority to modify, implement, or schedule for the construction, upgrading, operation, or testing of equipment, equipment or practices, or any other environmental programs which may affect the discharge described in this application. This includes, but is not limited to, permit conditions, administrative enforcement orders, enforcement compliance agreements, stipulations, court orders, and financial conditions?  
 YES (complete the following table)       NO (go to Item IV-B)

## **IV. IMPROVEMENTS (cont.)**

- f. OPTIONAL: You may attach additional sheets describing any additional water pollution control programs already planned, underway, or which may affect your discharge (including pollution prevention programs) you may have underway or which you plan and expect within each program. If so, underway or planned, indicate your intent to planned schedules for construction.

MARK X IF DESCRIPTION OF ADDITIONAL CONTROL PROGRAMS IS ATTACHED

This permit application  
form was electronically  
generated by P.A.S.S.

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

**CAR000038893**

Form Approved 1/14/99  
OMB Number 2040-0086

### INTAKE AND EFFLUENT CHARACTERISTICS

1.5.1. See instructions below according to complete one set of tables for each outlet. Annotate the outlet number in the space provided.

(NOTE: Tables X-A, Y-B and Y-C are included on separate sheets.)

1.5.2. Indicate only the identity of the pollutants listed in Table 2C-3 of the instructions which you know or have reason to believe is being discharged from your outlet. For other pollutants on Table 2C-3 briefly describe the reasons you believe they are present and report in the right-hand column.

### POTENTIAL DISCHARGES NOT COVERED BY ANALYSIS

1.6.1. If you discharge any of the following or a combination of substances which you currently do not have covered in immediate reporting categories:



YES (checkmark if applicable)



NO (checkmark if applicable)

**VII. BIOLOGICAL TOXICITY TESTING DATA**

Do you have any monitoring or testing to determine that any biological test for acute or chronic toxicity has been made on any of your discharges or receiving waters in relation to your discharge within the last 3 years?

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

TEST NAME	TEST DESCRIPTION
USEPA/600/R-95/136 with Giant Kelp ( <i>Macrocystis py</i> )	Quarterly chronic toxicity testing

**VIII. CONTRACT ANALYSIS INFORMATION**

Do you have any analyses conducted through a contract laboratory concerning your discharge? (check one)

YES (Identify the laboratories below)       NO (go to item VII-B)

NAME	ADDRESS	TELEPHONE (EXCEPT CONSULTATION)	POLLUTANTS (ANALYSED)
Calscience Environmental Laboratories	7440 Lincoln Way Garden Grove CA 92841	(714) 895-5494	Metals, Oil & Grease, TSS, Settleable Solids, BOD, pH
CRG Laboratories	2020 Del Amo Blvd., Suite 200 Torrance CA 90501	(310) 533-5190	CTR quarterly samples; trace metals, chlorinated pesticides, Arochlor, polynuclear aromatic hydrocarbons, acid extractable compounds, base extractable compounds, priority pollutants
Silliker Inc., Southern California Laboratory	1139 E. Dominguez, Suite I Carson CA 90746	(310) 637-7121	Coliform
Edison Chemical Services	7301 Fenwick Lane, 2nd Floor Westminster CA 92683	(714) 895-0525	Oil & Grease, pH, TSS
Caltest	1885 North Kelly Road Napa CA 94558	(707) 226-1001	VOCs for CTR - quarterly samples
AES Redondo Beach Laboratory	1100 Harbor Drive Redondo Beach CA 90277	(310) 318-7441	Chlorine, Free Chlorine, pH
MBC Applied Environmental Sciences	3000 Redhill Avenue Costa Mesa CA 92626	(714) 850-4830	Chronic Toxicity

This permit application  
form was electronically  
generated by P.A.S.S.

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

CAR000038893

Form Approved 1/14/99  
OMB Number 2040-0086

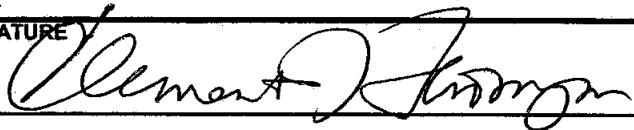
**CERTIFICATION**

I certify under penalty of perjury 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(s) who maintains the system, no persons directly responsible for gathering the information, the information submitted is to the best of my knowledge and belief accurate and complete. I am aware that it is a significant offense to submit false information, including the possibility of fine and imprisonment for knowing violations.

**A. NAME & OFFICIAL TITLE**

Clement J. Thompson  
President

**C. SIGNATURE**



**B. PHONE NO. (area code & no.)**

(310) 318-7442

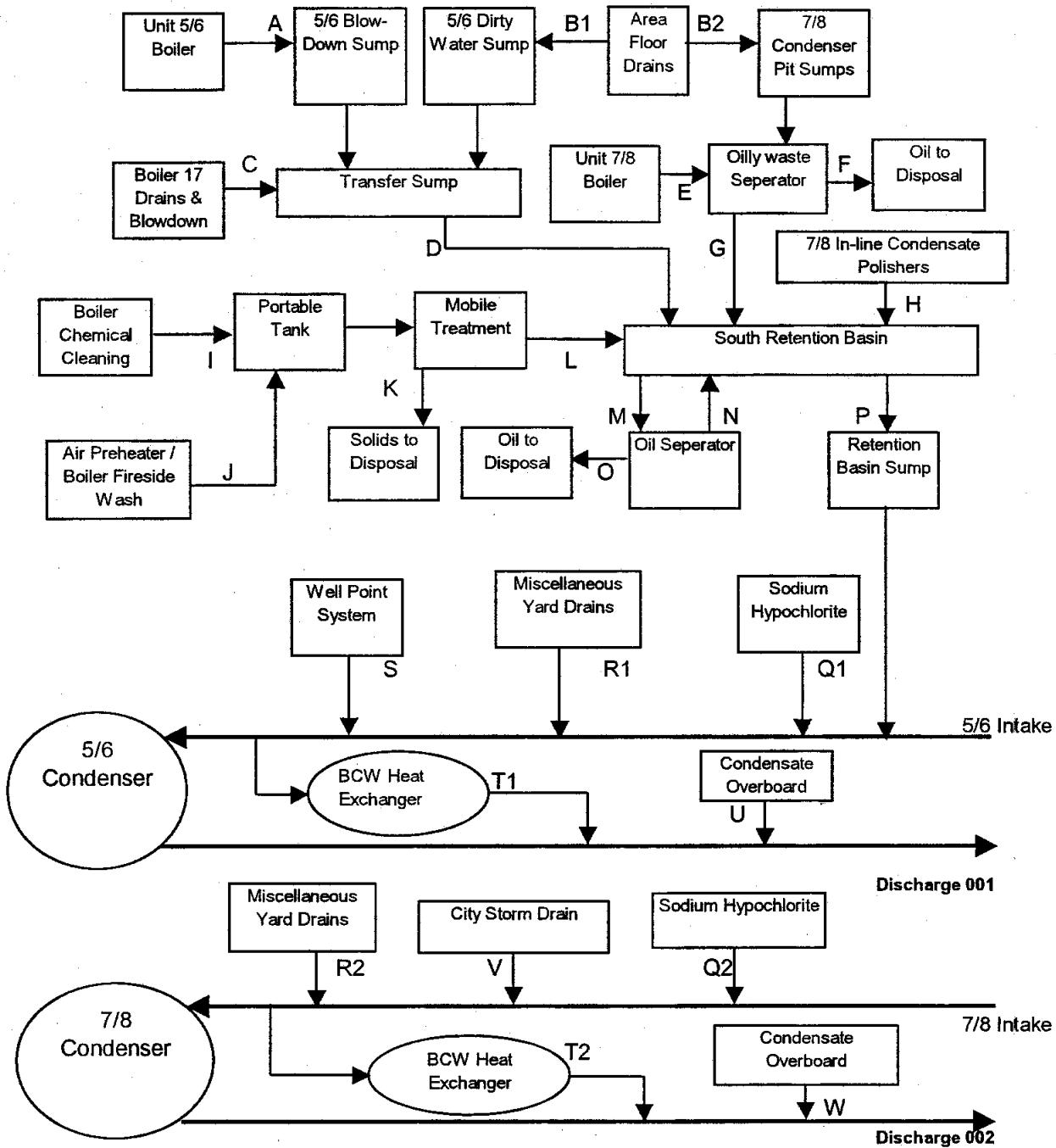
**D. DATE SIGNED**

11/11/04

RECEIVED  
2004 NOV 12 AM 11:15

CALIFORNIA REGIONAL WATER  
QUALITY CONTROL BOARD  
LCS/MILES RECKN

**SCHEMATIC OF WATER FLOW**  
**AES Redondo Beach L.L.C.**  
**November, 2004**



Refer to the attached description and flow characterization for each labeled process stream.

**REDONDO GENERATING STATION**  
**2004 FORM 2C Item II.B.3.a. – Further Explanation**  
**EXHIBIT A**

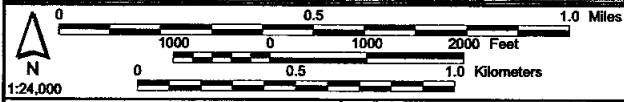
Operation	Treatment Process	Explanation
Outfall Nos. 001 and 002	Ocean Discharge	All waste streams listed under Outfall Nos. 001 and 002 are discharged through two outfall structures located in the Pacific Ocean.
Condensate Demineralizer Regeneration Wastes, Unit 5 – 8 Fireside and Air Preheater Washes, Boiler Blowdown, Misc. Plant Drains, Unit 5 – 8 Metal Chemical Cleaning Wastes, Reverse Osmosis Regeneration and Backwash Wastes.	Retention	All waste streams listed are sent to a retention basin prior to discharge through Outfall No. 001.
Units 7 & 8 Plant Drains	Oil Removal	These waste streams are routed through a floatation-type oil/water separator prior to discharge to the retention basin.
Units 5 – 8 Metal Chemical Cleaning Wastes	Lime Precipitation and Sludge Disposal	The metal chemical cleaning wastes are routed to portable tanks. These wastes are then processed through a contractor-owned mobile lime treatment unit, which discharges to the retention basin. The sludge generated from this process is disposed of at an approved offsite disposal facility.

**REDONDO GENERATING STATION**  
**2004 FORM 2C Item II.C. – Further Explanation**  
**EXHIBIT B**

Outfall No.	Operation Contributing Flow	Explanation
001	Condensate Overboard	During normal operation, this discharge is not present. This discharge may be necessary during unit start-up or abnormal operation and the frequency and duration of the discharge may vary considerably. This discharge is primarily treated condensate that has been slightly contaminated with seawater.
	Condensate Demineralizer Regeneration Wastes	Duration of this discharge may range from eight to twenty-four hours and occurs approximately every other day.
	Unit 5-8 Fireside and Air Preheater Washes	These operations occur approximately four times per year per unit and are usually done concurrently one unit at a time. Each operation lasts approximately sixteen hours.
	Units 5 & 6 Boiler Blowdown	This operation is necessary to control the buildup of solids in the steam cycle. The frequency and duration of this discharge vary greatly.
	Units 5 – 8 Metal Chemical Cleaning Wastes	These operations occur approximately once every two years per unit. The duration of the discharge is approximately thirty-six to forty-eight hours for Units 5 & 6 and twenty-four hours for Units 7 & 8.
002	Condensate Overboard	During normal operation, this discharge is not present. This discharge may be necessary during unit start-up or abnormal operation and the frequency and duration of the discharge may vary considerably. This discharge is primarily treated condensate which has been slightly contaminated with seawater.

<u>Footnote</u>	<u>Description</u>	<u>Flow Characterization</u>
5/6 Intake	5/6 Intake	Each of the four circulating water pumps are designed at 37,000 GPM.
7/8 Intake	7/8 Intake	Each of the four circulating water pump are designed at 117,000 GPM.
Discharge 001	Discharge 001	The maximum discharge flow is 215 MGD
Discharge 002	Discharge 002	The maximum discharge flow is 674 MGD
A	5/6 Boiler	Discharges from the boiler are boiler drains and blowdown. Approximately 50,000 gallons of water is drained from the boiler each shut down. Blowdown occurs during start-up and other operating times when the boiler water and/or steam parameters are exceeded. On average there may be 10,000 gallons of blowdown per operating run.
B1	Area floor drains to 5/6	Drains exist throughout the operating units. Minimal flow.
B2	Area floor drains to 7/8	Drains exist throughout the operating units. Minimal flow.
C	Boiler 17 Blowdown and Drains	Boiler 17 operates approximately six times per year. Blowdown is unusual and less than 10,000 gallons per year. The boiler is drained after a shutdown - approximately 10,000 gallons.
D	Water from Transfer Sump	Water collected from within the operating units is collected here before being pumped to the Retention Basin.
E	Unit 7/8 Boiler	The 7/8 Drains are used to drain the boiler after a shutdown - approximately 30,000 gallons; 15 times per year
F	Oil from 7/8 Sump	Oil separated by specific gravity - removed with a vacuum truck as required. Approximately 100 gallons of oil/water mix per year.
G	Water from 7/8 Sump	Water from Unit 7/8 sumps and rain.
H	Polisher Regeneration	The 7/8 in-line polishers are regenerated approximately 1.5 times per start-up. The flow is approximately 30,000 gallons per regeneration .
I	Boiler Chemical Cleaning	We expect that 5/6 each have a cleaning within the next five years at approximately 120,000 gallons per cleaning. 7/8 are not expected to need a chemical cleaning although an extreme upset in the water system would create the need.
J	Boiler Fireside Wash	Boiler fireside washes (including Air PreHeater washes) are unlikely to be needed since oil is no longer fired. An extreme upset condition would be necessary to initiate a fireside wash.
K	Solids from Chemical Cleaning or Fireside Wash	In the event metal is removed from the boiler (either chemical cleaning or fireside wash) lime will be added to precipitate dissolved metals. Disposal will be contracted. The disposal amount will vary.
L	Liquid from Chemical Cleaning or Fireside Wash	The treated liquid is discharged to the retention basin after checking pH and the metals concentration. The flow will be approximately 120,000 gallons.

M	Retention Basin Surface water	The surface of the retention basin is skimmed to remove floating oil at a rate of approximately 1 GPM.
N	Water from Oil Separator	The water from the oil separator is returned to the retention basin.
O	Oil from Oil Separator	Approximately 3,000 gallons of oil/water mix is removed annually.
P	Water from the Retention Basin	Water is discharged after allowing sufficient time for separation. The flow is pumped to the forebay of Units 5/6 at an average rate of approximately 0.2MGD determined by the operating hours of the retention basin sump pump.
Q1	5/6 Chlorination	Maximum of 3 gallons of 12.5 wt% sodium hypochlorite per operating pump per day. Approximately 500 gallons per year.
Q2	7/8 Chlroination	Maximum of 9 gallons of 12.5 wt% sodium hypochlorite per operating pump per day. Approximately 4,000 gallons per year
R1	Miscellaneous Yard Drains	Drains that will collect water from rain events.
R2	Miscellaneous Yard Drains	Drains that will collect water from rain events.
S	Well Point System	Dewatering pumps operate continuously to keep groundwater stable. The water is a mixture of saltwater, groundwater, and barrier injection water from the West Coast Basin Barrier Project and is removed at an average rate of 1.5 MGD.
T1	5/6 BCW Heat Exchanger	This is once-through non-contact water used to cool the bearing cooling water.
T2	7/8 BCW Heat Exchanger	This is once-through non-contact water used to cool the bearing cooling water.
U	5/6 Condensate Overboard	During start-ups at 5/6 the initial water that comes through the cycle (i.e is condensed in the hotwell) is not pumped back into the system and is sent to the discharge. This is approximately 4,000 gallons per start and less than 100,000 gallons per year.
V	City Storm Drain	Storm water run-off from the city's streets enters the property on the SE side of the plant and, if not evaporated, will combine with the 7/8 intake.
W	7/8 Condensate Overboard	Used only in an event when the condensate needs to be discharged rather than circulated through the unit. This is approximately 20,000 gallons per event and less than 100,000 gallons per year.



LOCATION MAP  
REDONDO GENERATING STATION  
AES REDONDO BEACH, LLC.

USGS Redondo Beach Quadrangle  
7.5 Minute Series (Topographic)

NOVEMBER 2004

REDONDO BEACH, LOS ANGELES COUNTY, CALIFORNIA

PLEASE PRINT OR TYPE IN THE UNSHADED AREAS ONLY. You may report some or all of this information on separate sheets (use the same format) instead of completing these pages.  
SEE INSTRUCTIONS.

EPA I.D. NUMBER (copy from Item 1 of Form 17)  
CAR00038893

V. INTAKE AND EFFLUENT CHARACTERISTICS (continued from page 3 of Form 2-C)

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.

1. POLLUTANT	2. EFFLUENT		3. UNITS (spray if blank)		4. INTAKE (optional)			
	a. MAXIMUM DAILY VALUE ( <sup>b</sup> ) MASS CONCENTRATION	b. MAXIMUM DAILY VALUE ( <sup>b</sup> ) MASS CONCENTRATION	c. LONG TERM AVERAGE VALUE ( <sup>b</sup> ) MASS CONCENTRATION	d. NO. OF ANALYSES ( <sup>b</sup> ) MASS CONCENTRATION	e. CONCENTRATION	f. MASS concentration	g. LONG TERM AVERAGE VALUE ( <sup>b</sup> ) MASS	h. NO. OF ANALYSES
a. Biochemical Oxygen Demand (BOD)	< 1.0				1	mg/L		
b. Chemical Oxygen Demand (COD)	200				1	mg/L		
c. Total Organic Carbon (TOC)	< 5				1	mg/L		
d. Total Suspended Solids (TSS)	22.4				1	mg/L		
e. Ammonia (as N)	< 0.10				1	mg/L		
1. Flow	213.1 MGD	197.1 MGD	147.1 MGD	30	mgd		VALUE	
2. Temperature (winter)	VALUE	38	30	35	°C		VALUE	
3. Temperature (summer)	VALUE	37	34	35	°C		VALUE	
4. pH	MINIMUM	MAXIMUM	MAXIMUM				STANDARD UNITS	
			7.4	8.7				

PART B - Mark "X" in column 2-a for each pollutant you believe is present. Mark "X" in column 2-b for each pollutant you believe is absent. If you mark column 2-a 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 2-a, you must provide quantitative data or an explanation of their presence in your discharge. Complete one table for each outfall. See the instructions for additional details and requirements.

1. POLLUTANT	2. MARK 'X' a. BEING RELEASED BY THIS OUTFALL (if applicable)	3. EFFLUENT 2004		4. UNITS		5. INTAKE (optional)		
		b. MAXIMUM DAILY VALUE ( <sup>b</sup> ) MASS CONCENTRATION	c. MAXIMUM DAILY VALUE ( <sup>b</sup> ) MASS CONCENTRATION	d. NO. OF ANALYSES ( <sup>b</sup> ) MASS CONCENTRATION	e. CONCENTRATION ( <sup>b</sup> ) MASS CONCENTRATION	f. LONG TERM AVERAGE VALUE ( <sup>b</sup> ) MASS	g. NO. OF ANALYSES ( <sup>b</sup> ) MASS	
a. Bromide (24958-67-9)	X	59			0.04	12 mg/L		
b. Chlorine, Total Residual	X		0.98				1 Color Unit	
c. Color	X	< 5					9 mpn/100 mL	
d. Fecal Coliform	X	11					1 mg/L	
e. Fluoride (14804-49-8)	X	0.87					1 mg/L	
f. Nitrate (as N)	X	< 1					1 mg/L	

## ITEM V-B CONTINUED FROM FRONT

ITEM	MARK X'	3. EFFLUENT		4. UNITS		5. INTAKE (optional)	
		A. SPECIFIED MAXIMUM DAILY VALUE*	B. MAXIMUM 30-DAY VALUE**	C. LONG TERM AVERAGE VALUE***	D. NO. OF ANALYSES	E. AVERAGE VALUE	F. NO. OF ANALYSES
1. POLLUTANT AND CAS NO. (if available)							
g. Nitrogen, Total Organic (as N)	X	< 0.50			1	mg/L	
h. Oil and Grease	X	< 1.4		< 1.4	9	mg/L	
i. Phosphorus (as P), Total (7723-14-0)	X	0.22			1	mg/L	
j. Radioactivity							
(1) Alpha, Total	X	3+ 1.5			1	pCi/L	
(2) Beta, Total	X	149 + 32			1	pCi/L	
(3) Radium, Total	X	0.14 + 0.45			1	pCi/L	
(4) Radium 226, Total	X	0.30 + 0.43			1	pCi/L	
k. Sulfate (as SO <sub>4</sub> ), (14808-79-8)	X	2420			1	mg/L	
l. Sulfide (as S)	X	< 0.02			1	mg/L	
m. Sulfite (as SO <sub>3</sub> ), (14265-45-3)	X	< 1			1	mg/L	
n. Surfactants	X	0.10			1	mg/L	
o. Aluminum, Total (7429-90-5)	X	21.0			1	ug/L	
p. Barium, Total (7440-39-3)	X	8.18			1	ug/L	
q. Barium, Total (7440-42-8)	X	4.51			1	mg/L	
r. Cobalt, Total (7440-48-4)	X	0.04			1	ug/L	
s. Iron, Total (7439-89-6)	X	24.9			1	ug/L	
t. Magnesium, Total (7439-95-4)	X	1300			1	mg/L	
u. Molybdenum, Total (7439-98-7)	X	10.2			1	ug/L	
v. Manganese, Total (7439-96-6)	X	9.67			1	ug/L	
w. Tin, Total (7440-31-5)	X	0.06			1	ug/L	
x. Titanium, Total (7440-32-6)	X	2.12			1	ug/L	

CONTINUED FROM PAGE 3 OF FORM 2-C

**PART C:** If you are a primary investor and this

**PART C -** If you are a primary industry and this outfall contains process wastewater, refer to Table 2c-2 in the instructions to determine which of the GC/MS fractions you must test for. Mark "X" in column 2-a for all such GC/MS 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 GC/MS fractions**), mark "X" in column 2-b for each pollutant you believe is present. Mark "X" in column 2-c for each pollutant you know or have reason to believe is present. 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 each of these pollutants which you know or have reason to believe it will be discharged in concentrations of 10 ppb or greater. If you mark column 2b for acrolein, 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 for which you mark column 2b. You must either submit at least one analysis or briefly describe the reasons the pollutant is expected to 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.

EP/A Fair 311023/18-1

PAGE 11

P8/2

CONTINUE ON REVERSE

## CONTINUED FROM THE FRONT

1. POLLUTANT AND CAS NUMBER (if available)	2. MARK 'X' OR CHECK IF AVAILABLE	3. EFFLUENT MAXIMUM DAILY VALUE [If available]			4. UNITS NO. OF ANAL- YSES			5. INTAKE (optional) LONG TERM AVERAGE CONCEN- TRATION		
		ACTUAL MEASURED CONCENTRATION	ACTUAL MEASURED CONCENTRATION	ACTUAL MEASURED CONCENTRATION	b. MASS CONCENTRATION	c. NO. OF ANAL- YSES	d. MASS CONCENTRATION	e. MASS CONCENTRATION	f. NO. OF ANAL- YSES	g. NO. OF ANAL- YSES
<b>GC/MS FRACTION - VOLATILE COMPOUNDS</b>										
1V. Acrolein (107-02-8)	✓	< 12	< 12	< 12	< 12	5	5	5	5	5
2V. Acrylonitrile (107-13-1)	✓	< 10	< 10	< 10	< 10	5	5	5	5	5
3V. Benzene (71-43-2)	✓	< 0.3	< 0.3	< 0.3	< 0.3	5	5	5	5	5
4V. Bis (Chloro- methyl) Ether (542-88-1)	✓	< 1.0	< 1.0	< 1.0	< 1.0	5	5	5	5	5
5V. Bromoform (75-25-2)	✓	< 0.3	< 0.3	< 0.3	< 0.3	5	5	5	5	5
6V. Carbon Tetrachloride (56-23-5)	✓	< 0.3	< 0.3	< 0.3	< 0.3	5	5	5	5	5
7V. Chlorobenzene (108-90-7)	✓	< 0.3	< 0.3	< 0.3	< 0.3	5	5	5	5	5
8V. Chlorodi- bromomethane (124-48-1)	✓	< 0.4	< 0.4	< 0.4	< 0.4	5	5	5	5	5
9V. Chloroethane (75-00-3)	✓	< 0.3	< 0.3	< 0.3	< 0.3	5	5	5	5	5
10V. 2-Chloro- ethylvinyl Ether (110-76-8)	✓	< 2.0	< 2.0	< 2.0	< 2.0	5	5	5	5	5
11V. Chloroform (67-66-3)	✓	< 0.3	< 0.3	< 0.3	< 0.3	5	5	5	5	5
12V. Dichloro- bromomethane (75-27-4)	✓	< 0.3	< 0.3	< 0.3	< 0.3	5	5	5	5	5
13V. Dichloro- difluoromethane (75-71-8)	✓	< 0.4	< 0.4	< 0.4	< 0.4	5	5	5	5	5
14V. 1,1-Dichloro- ethane (75-34-3)	✓	< 0.2	< 0.2	< 0.2	< 0.2	5	5	5	5	5
15V. 1,2-Dichloro- ethene (107-06-2)	✓	< 0.4	< 0.4	< 0.4	< 0.4	5	5	5	5	5
16V. 1,1-Dichloro- ethyne (78-36-4)	✓	< 0.3	< 0.3	< 0.3	< 0.3	5	5	5	5	5
17V. 1,2-Dichloro- propane (78-87-5)	✓	< 0.3	< 0.3	< 0.3	< 0.3	5	5	5	5	5
18V. 1,3-Dichloro- propane (542-75-8)	✓	< 0.5	< 0.5	< 0.5	< 0.5	5	5	5	5	5
19V. Ethylbenzene (100-41-4)	✓	< 0.2	< 0.2	< 0.2	< 0.2	5	5	5	5	5
20V. Methyl Bromide (74-83-9)	✓	< 1.0	< 1.0	< 1.0	< 1.0	5	5	5	5	5
21V. Methyl Chloride (74-87-3)	✓	< 0.3	< 0.3	< 0.3	< 0.3	5	5	5	5	5

TEN

NUMBER THREE

EPA Form 3510-2C (8-90)

## CONTINUED FROM THE FRONT

## 3. EFFLUENT

1. POLLUTANT AND CAS NUMBER (if available)	2. MARK 'X' AT ANY ONE TIME AVAILABLE	3. MAXIMUM DAILY VALUE IF AVAILABLE (if available)	4. UNITS	5. INTAKE (optional)		
				a. CONCEN- TRATION b. MASS	b. LONG TERM AVERAGE VALUE (if available)	c. NO. OF ANAL- YSES
<b>GCM'S FRACTION - BASE/NEUTRAL COMPOUNDS</b>						
1B. Acenaphthene (63-32-9)	X	< 3.0				
2B. Acenaphylene (208-96-8)	X	< 2.0				
3B. Anthracene (118-42-7)	X	< 10				
4B. Benzidine (92-87-5)	X	< 13				
5B. Benzo (a) Anthracene (95-88-3)	X	< 2.0				
6B. Benzo (a) Pyrene (60-32-8)	X	< 2.0				
7B. 3,4-Benzo- Fluoranthene (205-99-2)	X	< 5.0				
8B. Benzo (f,h,i) Pyrene (191-24-2)	X	< 2.0				
9B. Benzo (k) Fluoranthene (207-09-9)	X	< 5.0				
10B. Bis (2-Chloro- ethyl) Methane (111-91-1)	X	< 2.0				
11B. Bis (2-Chloro- ethyl) Ether (111-44-4)	X	< 3.0				
12B. Bis (2-Chloro- propyl) Ether (102-50-1)	X	< 4.0				
13B. Bis (2-Ethyl- hexyl) Phthalate (117-61-7)	X	< 4.0				
14B. 4-Bromo- Phenyl Phenyl Ether (101-65-3)	X	< 2.0				
15B. Butyl Benzyl Phenyl Ether (65-38-7)	X	< 4.0				
16B. 2-Chloro- Biphenyl (120-72-3)	X					
17B. Chloro- Biphenyl (120-72-3)	X					
18B. Dichloro- Benzene (26-54-4)	X	< 2.0				
19B. DiBenz (a,h) Anthracene (153-70-3)	X	< 5.0				
20B. 1,2-Dichloro- Benzene (85-50-1)	X	< 3.0				
21B. 1,3-Dichloro- Benzene (841-73-1)	X	< 2.0				

1. POLLUTANT AND CAS NUMBER (if available)	2. MARK 'X' IF LISTED ON THE SPECI- IFIED LIST	3. EFFLUENT			4. UNITS			5. INTAKE (optional)		
		a. MAXIMUM DAILY VALUE	b. MAXIMUM (if available) CONCENTRATION	c. LONG TERM AVERAGE VALUE	d. NO. OF ANALYSES	e. CONCENTRATION	f. MASS	g. LONG TERM AVERAGE VALUE	h. NO. OF ANALYSES	i. CONCENTRATION
<b>GAS/FRACTION - BASE/NEUTRAL COMPOUNDS (continued)</b>										
328. 1,4-Dihydro- Naphthalene (108-48-7)	X	< 3.0						1	ug/L	
329. 2-Phenyl- Acetone (100-56-1)	X	< 5.0						1	ug/L	
348. Dimethyl- Phthalate (102-22-2)	X	< 2.0						1	ug/L	
349. 2,4-Dinitro- Phenol (121-14-2)	X	< 2.0						1	ug/L	
350. 2,5-Dinitro- Biphenol (90-20-2)	X	< 2.0						1	ug/L	
351. Di-N-Octyl- Phthalate (117-94-0)	X	< 4.0						1	ug/L	
352. 1,2-Dibenzyl- Hydrazine (or Anilino- Benzene) (122-56-7)	X	< 2.0						1	ug/L	
353. Fluoranthene (102-44-0)	X	< 2.0						1	ug/L	
354. Phenone (100-73-7)	X	< 2.0						1	ug/L	
355. Phenanthrene (101-73-1)	X	< 5.0						1	ug/L	
356. Hexa- Methylbiphenole (67-68-3)	X	< 2.0						1	ug/L	
358. Hexachloro- Cyclohexadecane (77-47-4)	X	< 6.0						1	ug/L	
359. Hexachloro- ethane (67-72-1)	X	< 3.0						1	ug/L	
371. Indeno (1,2,3-d) Pyrene (109-39-5)	X	< 2.0						1	ug/L	
398. Isophorone (78-59-1)	X	< 3.0						1	ug/L	
399. Naphthalene (91-20-3)	X	< 3.0						1	ug/L	
400. Nitrobenzene (98-95-3)	X	< 5.0						1	ug/L	
411. N-Nitro- Sodimethylamine (62-76-9)	X	< 7.0						1	ug/L	
422. N-Nitroso-di- N-Propylemine (62-45-7)	X	< 4.0						1	ug/L	

CONTINUED FROM THE FRONT

### 3. EFFLUENT

2. MARK 'X' IN AND CAS NUMBER (if available)		3. EFFLUENT TESTED		4. UNITS		5. INTAKE (optional)	
		TEST NO.	TEST NO. NAME OR SYNTHETIC EQUIVALENT	CONCENTRATION (1) MASS CONCENTRATION	CONCENTRATION (1) MASS CONCENTRATION	CONCENTRATION (1) MASS CONCENTRATION	CONCENTRATION (1) MASS CONCENTRATION
<b>GC/MS FRACTION - BASE/NEUTRAL COMPOUNDS (continued)</b>							
43B. N-Nitro- naphthalimine (85-30-6)	X		< 2.0			1 ug/L	
44B. Phenanthrene (85-01-6)	X		< 2.0			1 ug/L	
45B. Purine (126-04-0)	X		< 3.0			1 ug/L	
46B. Tetrachloroethene (122-20-1)	X		< 5.0			1 ug/L	
<b>GC/MS FRACTION - PESTICIDES</b>							
4P. Aldrin (50-32-2)	X		< 0.10			1 ug/L	
2P. BHC (50-32-8)	X		< 0.10			1 ug/L	
3P. l-BHC (51-14-7)	X		< 0.10			1 ug/L	
4P. t-BHC (50-48-9)	X		< 0.10			1 ug/L	
5P. δ-BHC (519-66-6)	X		< 0.10			1 ug/L	
6P. Chlordane (67-74-9)	X		< 1.0			1 ug/L	
7P. 4,4'-DDT (50-29-3)	X		< 0.10			1 ug/L	
8P. 4,4'-DDE (72-88-9)	X		< 0.10			1 ug/L	
9P. 4,4'-DDD (72-84-8)	X		< 0.10			1 ug/L	
10P. Dieldrin (60-57-1)	X		< 0.10			1 ug/L	
11P. O,O'-Endosulfan (116-28-7)	X		< 0.10			1 ug/L	
12P. β-Endosulfan (116-29-7)	X		< 0.10			1 ug/L	
13P. Endosulfan sulfate (1031-07-8)	X		< 0.10			1 ug/L	
14P. Endrin (72-20-8)	X		< 0.10			1 ug/L	
15P. Endrin Aldehyde (742-33-4)	X		< 0.10			1 ug/L	
16P. Heptachlor (76-44-8)	X		< 0.10			1 ug/L	

CONTINUED FROM PAGE V-8

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

CAR000038893

1. POLLUTANT AND GAS NUMBER (if available)	2. MARK 'X'	3. EFFLUENT			4. UNITS			5. INTAKE (optional)		
		A. TEST ING. LEVELS AND CONC. EN.	B. MAXIMUM DAILY VALUE [in square feet]	C. LONG TERM VALUE [in square feet]	D. NO. OF ANAL- YSES	E. LONG TERM AVERAGE VALUE [in square feet]	F. CONCEN- TRATION	G. MASS	H. NO. OF ANAL- YSES	I. CONCEN- TRATION
<b>GC/MS FRACTION - PESTICIDES (continued)</b>										
177. Heptachlor Epoxyde (1024-87-3)	X	< 0.10								1 ug/L
188. PCB-1242 (85469-21-9)	X	< 1.0								1 ug/L
199. PCB-1254 (11097-69-1)	X	< 1.0								1 ug/L
200. PCB-1221 (1104-28-2)	X	< 1.0								1 ug/L
211. PCB-1232 (11141-16-6)	X	< 1.0								1 ug/L
222. PCB-1248 (12672-29-6)	X	< 1.0								1 ug/L
233. PCB-1260 (11098-82-5)	X	< 1.0								1 ug/L
244. PCB-1016 (12674-11-2)	X	< 1.0								1 ug/L
255. Toxaphene (8001-36-2)	X	< 1.0								1 ug/L

PAGE V-9

**PLEASE PRINT OR TYPE IN THE UNSHADED AREAS ONLY.** You may report some or all of the information on separate sheets (use the same form) instead of completing these pages.  
SEE INSTRUCTIONS.

EPA I.D. NUMBER (copy from Item 1 of Form 1)  
CAR00038893

**V. INTAKE AND EFFLUENT CHARACTERISTICS (continued from page 3 of Form 2-C)**

**CUTFALL NO.**  
002

**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.**

<b>1. POLLUTANT</b>	<b>2. EFFLUENT</b>			<b>3. UNITS (specify if blank)</b>			<b>4. INTAKE (optional)</b>		
	<b>a. MAXIMUM DAILY VALUE (in mg/l)</b>	<b>b. MAXIMUM 30 DAY VALUE (in mg/l)</b>	<b>c. DENSITY/CONCENTRATION (in mg/l)</b>	<b>d. NO. OF ANALYSES</b>	<b>e. CONCEN- TRATION (in mass concentration)</b>	<b>f. MASS CONCENTRATION (in mass concentration)</b>	<b>g. LONG TERM AVERAGE VALUE (in mass concentration)</b>	<b>h. NO. OF ANALYSES</b>	
a. Biochemical Oxygen Demand (BOD)	< 1.0						1	mg/L	
b. Chemical Oxygen Demand (COD)	150						1	mg/L	
c. Total Organic Carbon (TOC)	< 5						1	mg/L	
d. Total Suspended Solids (TSS)	19.9						1	mg/L	
e. Ammonia (as N)	< 0.10						1	mg/L	
f. Flow	VALUE	673	VALUE	672	VALUE	517	63	mgd	
g. Temperature (bottom)	VALUE	29.8	VALUE	33.9	VALUE	22.8	36	°C	
h. Temperature (surface)	VALUE	40.5	VALUE	36.5	VALUE	27.5	36	°C	
i. pH	MINIMUM	7.23	MAXIMUM	8.46	MINIMUM	7.0	MAXIMUM	8.6	
							60	STANDARD UNITS	

**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 must column 2-a for any pollutant which is listed either directly, or indirectly (as expressive), 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 the instructions for additional details and requirements.**

<b>1. POLLUTANT</b>	<b>2. MARK "X"</b>			<b>3. EFFLUENT</b>			<b>4. UNITS</b>		
	<b>a. MAXIMUM DAILY VALUE (in mg/l)</b>	<b>b. MAXIMUM 30 DAY VALUE (in mg/l)</b>	<b>c. DENSITY/CONCENTRATION (in mg/l)</b>	<b>d. NO. OF ANALYSES</b>	<b>e. CONCEN- TRATION (in mass concentration)</b>	<b>f. MASS CONCENTRATION (in mass concentration)</b>	<b>g. LONG TERM AVERAGE VALUE (in mass concentration)</b>	<b>h. NO. OF ANALYSES</b>	
1. Bromide (200-07-9)	X	65			0.29		1	mg/L	
2. Chlorine, total residual	X						5	mg/L	
3. Color	X	< 5					1	color unit	
4. Fecal coliform	X	< 20					9	mpn/100ml	
5. Fluoride (147-44-0)	X	0.85					1	mg/L	
6. Nitrogen (as N)	X	< 1					1	mg/L	

CONTINUED FROM FRONT

REFUGIUM

EPA I.D. NUMBER (copy from Item 1 of Form 1)	OUTFALL NUMBER
CAR000038893	002

CONTINUED FROM PAGE 3 OF FORM 2-C

**PART C -** If you are a primary industry and this outfall contains process wastewater, refer to Table 2c-2 in the instructions to determine which of the GC/MS fractions you must test for. Mark "X" in column 2-a for all such GC/MS 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 industry, non-process wastewater outfalls, and non-required GC/MS fractions), mark "X" in column 2-b for each pollutant you believe is absent. If you mark column 2-a for any 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 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 acrolein, 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 (eff 7/ pages) for each outfall. See instructions for additional details and requirements.

1. POLLUTANT AND CAS NUMBER	2. MARK "X" a. TESTED b. RE- PORTED C. BE- ING MONI- TORED d. UN- TESTED	3. EFFLUENT a. TESTED b. RE- PORTED C. BE- ING MONI- TORED d. UN- TESTED	4. UNITS a. NO. OF ANAL- YSES	5. INTAKE (optional) a. NO. OF ANAL- YSES	6. LONG TERM a. MAXIMUM DAILY VALUE b. MAXIMUM 30 DAY VALUE c. LONG TERM a. MASS b. MASS c. CONCEN- TRATION d. CONCEN- TRATION e. ANAL- YSES	
					a. MASS (1) CONCEN- TRATION (1) MASS	b. MASS (1) CONCEN- TRATION (1) MASS
<b>METALS, CYANIDE, AND TOTAL PHENOLS</b>						
1M. Antimony, Total (7440-36-0)	X	0.15	0.019	0.075	8	ug/L
2M. Arsenic, Total (7440-38-2)	X	20	3.91	0.655	8	ug/L
3M. Beryllium, Total (7440-41-7)	X	<0.005	<0.005	<0.005	8	ug/L
4M. Cadmium, Total (7440-43-9)	X	0.03	0.0038	0.015	8	ug/L
5M. Chromium, Total (7440-47-3)	X	0.82			1	ug/L
6M. Copper, Total (7440-46)	X	10	2.56	0.675	8	ug/L
7M. Lead, Total (7439-92-1)	X	0.69	0.086	0.345	8	ug/L
8M. Mercury, Total (7440-47-6)	X	5.7	0.713	<0.005	8	ug/L
9M. Nickel, Total (7440-02-0)	X	10	1.71	0.235	8	ug/L
10M. Selenium, Total (7782-49-2)	X	<0.01	<0.01	<0.01	8	ug/L
11M. Silver, Total (7440-23-4)	X	<0.005	<0.005	<0.005	8	ug/L
12M. Thallium, Total (7440-28-0)	X	0.004	0.001	0.004	8	ug/L
13M. Zinc, Total (7440-66-6)	X	50	10.6	2.46	8	ug/L
14M. Cyanide, Total (87-12-5)	X	<0.05	<0.05	<0.05	9	ug/L
15M. Phenols, Total	X	<0.10	<0.10	<0.10	9	ug/L
DIOXIN						
2.3. A-Terpenes, ethylenobenzene, Diphenyl (11764-01-6)	X			4.27	1	pg/L
<b>DESCRIBE RESULTS</b>						

## CONTINUED FROM THE FRONT

1. POLLUTANT AND GAS NUMBER (if available)	2. MARK 'X' IF AVAILABLE	3. EFFLUENT ALONG STREAM			4. UNITS	5. INTAKE (optional)		
		5. MAXIMUM DAILY VALUE (if available)	6. MAXIMUM DAILY VALUE (if available)	7. CONCEN- TRATION (if available)		8. NO. OF ANAL- YSES	9. LONG TERM AVERAGE VALUE (if available)	10. MASS (if available)
<b>OCAM FRACTION - VOLATILE COMPOUNDS</b>								
IV. Acrolein (107-02-8)	X	<12	<12	<1.0	5 ug/L			
IV. Acrylonitrile (107-13-1)	X	<10	<10	<1.0	5 ug/L			
IV. Benzene (111-43-2)	X	<0.3	<0.3	<0.3	5 ug/L			
IV. Bis (Chloro- methyl) Ether (642-88-1)	X	<1.0	<1.0	<1.0	5 ug/L			
IV. Bromoform (75-25-2)	X	<0.3	<0.3	<0.3	5 ug/L			
IV. Carbon Terrochloride (65-23-6)	X	<0.3	<0.3	<0.3	5 ug/L			
IV. Chlorobenzene (108-90-7)	X	<0.3	<0.3	<0.3	5 ug/L			
IV. Chlorodi- bromomethane (124-48-1)	X	<0.4	<0.4	<0.4	5 ug/L			
IV. Chloroethane (78-00-3)	X	<0.3	<0.3	<0.3	5 ug/L			
IV. 2-Chloro- ethylvinyl Ether (110-78-8)	X	<2.0	<2.0	<2.0	5 ug/L			
IV. Chloroform (67-88-3)	X	<0.3	<0.3	<0.3	5 ug/L			
IV. Dichloro- bromomethane (78-27-4)	X	<0.3	<0.3	<0.3	5 ug/L			
IV. Dichloro- difluoromethane (78-71-8)	X	<0.4	<0.4	<0.4	5 ug/L			
IV. 1,1-Dichloro- ethane (107-06-2)	X	<0.2	<0.2	<0.2	5 ug/L			
IV. 1,2-Dichloro- ethane (78-34-3)	X	<0.4	<0.4	<0.4	5 ug/L			
IV. 1,1-Dichloro- ethylene (78-35-4)	X	<0.3	<0.3	<0.3	5 ug/L			
IV. 1,2-Dichloro- propane (78-87-5)	X	<0.3	<0.3	<0.3	5 ug/L			
IV. 1,2-Dichloro- propane (842-75-8)	X	<0.5	<0.5	<0.5	5 ug/L			
IV. Ethylbenzene (100-41-4)	X	<0.02	<0.02	<0.02	5 ug/L			
IV. Methyl Bromide (74-83-9)	X	<1.0	<1.0	<1.0	5 ug/L			
IV. Methyl Chloride (74-87-3)	X	<0.3	<0.3	<0.3	5 ug/L			

1. POLLUTANT NAME AND NUMBER (if available)	2. MARK 'X' IF AVAILABLE	3. EFFLUENT MAXIMUM DAILY VALUE			4. UNITS	5. INTAKE (optional) NO. OR VOL.
		1A. USE CONCENTRATION (i) mass concentration (ii) mass concentration	1B. MAXIMUM DAILY VALUE (i) mass concentration (ii) mass concentration	1C. NO. OF ANAL- YSES (i) mass concentration		
<b>OCEAN FRACTION - VOLATILE COMPOUNDS (continued)</b>						
22V. Methylene Chloride (78-00-2)	X	<0.3	<0.3	<0.3	5 ug/L	
23V. 1,1,2,2-Tetra- chloroethane (75-94-9)	X	<0.4	<0.4	<0.4	5 ug/L	
24V. Tetrachloro- ethylene (127-18-4)	X	<0.4	<0.4	<0.4	5 ug/L	
25V. Toluene (108-88-3)	X	<0.3	<0.3	<0.3	5 ug/L	
26V. 1,2,4-Tris- Chloroethylenes (106-60-6)	X	<0.3	<0.3	<0.3	5 ug/L	
27V. 1,1,1-Trifluoroethane (71-55-6)	X	<0.2	<0.2	<0.2	5 ug/L	
28V. 1,1,2-Tri- chloroethane (78-00-5)	X	<0.3	<0.3	<0.3	5 ug/L	
29V. Trichloro- ethylene (76-01-9)	X	<0.3	<0.3	<0.3	5 ug/L	
30V. Trichloro- fluoromethane (76-83-4)	X	<0.3	<0.3	<0.3	5 ug/L	
31V. Vinyl Chloride (78-01-4)	X	<0.3	<0.3	<0.3	5 ug/L	
<b>OCEAN FRACTION - ACID COMPOUND</b>						
1A. 2-Chloropheno (95-47-6)	X	<3.0			1 ug/L	
2A. 2,4-Dichloro- phenol (120-83-2)	X	<5.0			1 ug/L	
3A. 2,4-Dimethyl- phenol (108-47-4)	X	<5.0			1 ug/L	
4A. 4,6-Dinitro-O- Cresol (834-82-1)	X	<10			1 ug/L	
5A. 2,4-Dinitro- phenol (61-22-5)	X	<15			1 ug/L	
6A. 2-Nitrophenol (95-74-4)	X	<4.0			1 ug/L	
7A. 4-Nitrophenol (100-02-7)	X	<10			1 ug/L	
8A. m-Chloro-N- Cresol (86-50-7)	X	<2.0			1 ug/L	
9A. Pentachloro- benzene (97-36-5)	X	<10			1 ug/L	
10A. Phenol (100-95-2)	X	<2.0			1 ug/L	
11A. Toluene (108-88-3)	X	<2.0			1 ug/L	

## CONTINUED FROM THE FRONT

1. POLLUTANT AND CAS NUMBER (// available)	2. MARK 'X'	3. EFFLUENT			4. UNITS			5. INTAKE (optional)		
		A TEST B. REC. INC. TEST C. REC. INC. TEST D. NO. OF ANALYS.	E. MAXIMUM DAILY VALUE (// available)	F. MAXIMUM 10 DAY VALUE (// available)	G. LONG TERM AVERAGE CONCENTRATION (// available)	H. CONCEN- TRATION (// mass concentration)	I. MASS CONCENTRA- TION (// mass concentration)	J. NO. OF ANALYS.	K. NO. OF ANALYS.	L. NO. OF ANALYS.
<b>GCMS FRACTION - BASE/NEUTRAL COMPOUNDS</b>										
18. Acenaphthene (83-32-9)	X		<3.0					1	ug/L	
28. Acenaphthylenne (208-98-8)	X		<2.0					1	ug/L	
38. Anthracene (120-12-7)	X		<10					1	ug/L	
48. Benzidine (62-47-6)	X		<13					1	ug/L	
58. Benzo (s) Anthracene	X		<2.0					1	ug/L	
68. Benzo (s) Pyrene (60-32-8)	X		<2.0					1	ug/L	
78. 3,4-Benzo-Substituted Phenanthrene (207-68-2)	X		<5.0					1	ug/L	
88. Benzo (sH) Phenanthrene (19-32-2)	X		<2.0					1	ug/L	
98. Benzo (k) Fluoranthene (207-48-8)	X		<5.0					1	ug/L	
108. Bis (2-Chloro-ether)-Naphthalene (111-91-1)	X		<2.0					1	ug/L	
118. Bis (2-Chloro-ether) Ether (111-44-4)	X		<3.0					1	ug/L	
128. Bis (2-Chloro-ether) Ether (102-60-1)	X		<4.0					1	ug/L	
138. Bis (2-Chloro-ether) Phthalate (117-61-7)	X		<4.0					1	ug/L	
148. 4-Chloro-N,N-dimethylbenzylamine (101-08-9)	X		<2.0					1	ug/L	
158. Butyl Benzyl Phthalate (66-68-7)	X		<4.0					1	ug/L	
168. Chloro-Substituted Phenanthrene (1208-72-3)	X		<2.0					1	ug/L	
178. Chrysene	X		<3.0					1	ug/L	
188. DiBenzocycloheptene (103-70-3)	X		<2.0					1	ug/L	
198. DiBenzocycloheptene (103-70-3)	X		<5.0					1	ug/L	
208. 1,2-Dichlorobenzene (86-50-1)	X		<3.0					1	ug/L	
218. 1,2-Dichlorobenzene (841-73-1)	X		<2.0					1	ug/L	

## 3. EFFLUENT

1. POLLUTANT AND CAS NUMBER (if available)	2. MARK X' IF TESTED	3. EFFLUENT		4. UNITS		5. INTAKE (optional)	
		TEST INTERVAL IN HOURS OR PERIODS	TEST CLASS	A. MAXIMUM DAILY VALUE [1] CONCEN- TRATION	B. MAXIMUM 24-HOUR CONCENTRATION [1] MASS CONCENTRATION	C LONG TERM AVERAGE VALUE [1] CONCEN- TRATION	D. MASS CONCENTRATION [1] MASS
<b>OCAMS FRACTION - BASE/NEUTRAL COMPOUNDS (continued)</b>							
321. 4-Dichloro- benzene (106-46-7)	X			<3.0			1 ug/L
323. 3-Dihydro- phthalimide (121-14-1)	X			<5.0			1 ug/L
324. Dimethyl- benzene (100-42-2)	X			<2.0			1 ug/L
325. Dimethyl- benzene (100-42-2)	X			<2.0			1 ug/L
326. Dimethyl- benzene (100-42-2)	X			<2.0			1 ug/L
327. 2,4-Dinitro- phenol (60-20-2)	X			<2.0			1 ug/L
328. DIN-Octyl Phthalate (117-94-0)	X			<4.0			1 ug/L
329. 1,2-Dihemi- naphthalene (or Aro- matene) (122-66-7)	X			<2.0			1 ug/L
330. Fluorene (205-44-0)	X			<2.0			1 ug/L
331. Fluorene (205-44-0)	X			<2.0			1 ug/L
332. Fluorene (205-44-0)	X			<2.0			1 ug/L
333. Hexachlorobutadiene (110-73-7)	X			<5.0			1 ug/L
334. Hexa- chlorobutadiene (87-68-3)	X			<2.0			1 ug/L
335. Hexachloro- butadiene (77-47-4)	X			<6.0			1 ug/L
336. Hexachloro- ethene (67-72-1)	X			<3.0			1 ug/L
337. Indeno (1,2,3- <i>o</i> -) Pyrene (132-39-4)	X			<2.0			1 ug/L
338. Isophorone (75-59-1)	X			<3.0			1 ug/L
339. Naphthalene (91-20-3)	X			<3.0			1 ug/L
340. Nitrobenzene (98-98-3)	X			<5.0			1 ug/L
418. N,N-Nitro- bis(methylamine) (62-78-3)	X			<7.0			1 ug/L
428. N-Nitrosodi- N-propylene (521-94-7)	X			<4.0			1 ug/L

## CONTINUED FROM THE FRONT

1. POLLUTANT AND GAS NUMBER (if available)	2. MARK 'X' IF AVAILABLE	3. EFFLUENT			4. UNITS			5. INTAKE (optional)		
		A. USE C. USE S. USE G. USE D. USE E. USE F. USE G. USE	B. MAXIMUM DAILY VALUE IF AVAILABLE	C. MAXIMUM DAILY VALUE IF AVAILABLE	D. NO. OF ANALYSES	E. LONG TERM AVERAGE VALUE (if available)	F. NO. OF ANALYSES	G. NO. OF ANALYSES	H. MASS (i) CONCENTRATION (ii) MASS	I. MASS (i) CONCENTRATION (ii) MASS
<b>GCMS FRACTION - BASE/NEUTRAL COMPOUNDS (continued)</b>										
41B. N-Nitro- methylbenzene	X		<2.0						1 ug/L	
44B. Phenanthrene	X		<2.0						1 ug/L	
45B. Pyrene	X		<3.0						1 ug/L	
46B. 1,2,4,11H- Tetradecatetraene	X		<5.0						1 ug/L	
<b>GCMS FRACTION - PESTICIDES</b>										
47. 4,4'-DDT	X		<0.10						1 ug/L	
48. 4,4'-DDE			N/A							
49. 4,4'-DDD	X		<0.10						1 ug/L	
50. Chlordane	X		<0.10						1 ug/L	
51. Heptachlor	X		<1.0						1 ug/L	
52. Endosulfan	X		<0.10						1 ug/L	
53. Endosulfan	X		<0.10						1 ug/L	
54. Endosulfan	X		<0.10						1 ug/L	
55. Endosulfan	X		<0.10						1 ug/L	
56. Endosulfan	X		<0.10						1 ug/L	
57. Endosulfan	X		<0.10						1 ug/L	
58. Endosulfan	X		<0.10						1 ug/L	
59. Endosulfan	X		<0.10						1 ug/L	
60. Endosulfan	X		<0.10						1 ug/L	
61. Endosulfan	X		<0.10						1 ug/L	
62. Endosulfan	X		<0.10						1 ug/L	
63. Endosulfan	X		<0.10						1 ug/L	
64. Endosulfan	X		<0.10						1 ug/L	
65. Endosulfan	X		<0.10						1 ug/L	
66. Endosulfan	X		<0.10						1 ug/L	
67. Endosulfan	X		<0.10						1 ug/L	
68. Endosulfan	X		<0.10						1 ug/L	
69. Endosulfan	X		<0.10						1 ug/L	
70. Endosulfan	X		<0.10						1 ug/L	
71. Endosulfan	X		<0.10						1 ug/L	
72. Endosulfan	X		<0.10						1 ug/L	
73. Endosulfan	X		<0.10						1 ug/L	
74. Endosulfan	X		<0.10						1 ug/L	
75. Endosulfan	X		<0.10						1 ug/L	
76. Endosulfan	X		<0.10						1 ug/L	
77. Endosulfan	X		<0.10						1 ug/L	
78. Endosulfan	X		<0.10						1 ug/L	
79. Endosulfan	X		<0.10						1 ug/L	
80. Endosulfan	X		<0.10						1 ug/L	
81. Endosulfan	X		<0.10						1 ug/L	
82. Endosulfan	X		<0.10						1 ug/L	
83. Endosulfan	X		<0.10						1 ug/L	
84. Endosulfan	X		<0.10						1 ug/L	
85. Endosulfan	X		<0.10						1 ug/L	
86. Endosulfan	X		<0.10						1 ug/L	
87. Endosulfan	X		<0.10						1 ug/L	
88. Endosulfan	X		<0.10						1 ug/L	
89. Endosulfan	X		<0.10						1 ug/L	
90. Endosulfan	X		<0.10						1 ug/L	
91. Endosulfan	X		<0.10						1 ug/L	
92. Endosulfan	X		<0.10						1 ug/L	
93. Endosulfan	X		<0.10						1 ug/L	
94. Endosulfan	X		<0.10						1 ug/L	
95. Endosulfan	X		<0.10						1 ug/L	
96. Endosulfan	X		<0.10						1 ug/L	
97. Endosulfan	X		<0.10						1 ug/L	
98. Endosulfan	X		<0.10						1 ug/L	
99. Endosulfan	X		<0.10						1 ug/L	
100. Endosulfan	X		<0.10						1 ug/L	
101. Endosulfan	X		<0.10						1 ug/L	
102. Endosulfan	X		<0.10						1 ug/L	
103. Endosulfan	X		<0.10						1 ug/L	
104. Endosulfan	X		<0.10						1 ug/L	
105. Endosulfan	X		<0.10						1 ug/L	
106. Endosulfan	X		<0.10						1 ug/L	
107. Endosulfan	X		<0.10						1 ug/L	
108. Endosulfan	X		<0.10						1 ug/L	
109. Endosulfan	X		<0.10						1 ug/L	
110. Endosulfan	X		<0.10						1 ug/L	
111. Endosulfan	X		<0.10						1 ug/L	
112. Endosulfan	X		<0.10						1 ug/L	
113. Endosulfan	X		<0.10						1 ug/L	
114. Endosulfan	X		<0.10						1 ug/L	
115. Endosulfan	X		<0.10						1 ug/L	
116. Endosulfan	X		<0.10						1 ug/L	
117. Endosulfan	X		<0.10						1 ug/L	
118. Endosulfan	X		<0.10						1 ug/L	
119. Endosulfan	X		<0.10						1 ug/L	
120. Endosulfan	X		<0.10						1 ug/L	
121. Endosulfan	X		<0.10						1 ug/L	
122. Endosulfan	X		<0.10						1 ug/L	
123. Endosulfan	X		<0.10						1 ug/L	
124. Endosulfan	X		<0.10						1 ug/L	
125. Endosulfan	X		<0.10						1 ug/L	
126. Endosulfan	X		<0.10						1 ug/L	
127. Endosulfan	X		<0.10						1 ug/L	
128. Endosulfan	X		<0.10						1 ug/L	
129. Endosulfan	X		<0.10						1 ug/L	
130. Endosulfan	X		<0.10						1 ug/L	
131. Endosulfan	X		<0.10						1 ug/L	
132. Endosulfan	X		<0.10						1 ug/L	
133. Endosulfan	X		<0.10						1 ug/L	
134. Endosulfan	X		<0.10						1 ug/L	
135. Endosulfan	X		<0.10						1 ug/L	
136. Endosulfan	X		<0.10						1 ug/L	
137. Endosulfan	X		<0.10						1 ug/L	
138. Endosulfan	X		<0.10						1 ug/L	
139. Endosulfan	X		<0.10						1 ug/L	
140. Endosulfan	X		<0.10						1 ug/L	
141. Endosulfan	X		<0.10						1 ug/L	
142. Endosulfan	X		<0.10						1 ug/L	
143. Endosulfan	X		<0.10						1 ug/L	
144. Endosulfan	X		<0.10						1 ug/L	
145. Endosulfan	X		<0.10						1 ug/L	
146. Endosulfan	X		<0.10						1 ug/L	
147. Endosulfan	X		<0.10						1 ug/L	
148. Endosulfan	X		<0.10						1 ug/L	
149. Endosulfan	X		<0.10						1 ug/L	
150. Endosulfan	X		<0.10						1 ug/L	
151. Endosulfan	X		<0.10						1 ug/L	
152. Endosulfan	X		<0.10						1 ug/L	
153. Endosulfan	X		<0.10						1 ug/L	
154. Endosulfan	X		<0.10						1 ug/L	
155. Endosulfan	X		<0.10						1 ug/L	
156. Endosulfan	X		<0.10						1 ug/L	
157. Endosulfan	X		<0.10						1 ug/L	
158. Endosulfan	X		<0.10						1 ug/L	
159. Endosulfan	X		<0.10						1 ug/L	
160. Endosulfan	X		<0.10						1 ug/L	
161. Endosulfan	X		<0.10						1 ug/L	
162. Endosulfan	X		<0.10						1 ug/L	
163. Endosulfan	X		<0.10						1 ug/L	
164. Endosulfan	X		<0.10						1 ug/L	
165. Endosulfan	X		<0.10						1 ug/L	
166. Endosulfan	X		<0.10						1 ug/L	
167. Endosulfan	X		<0.10						1 ug/L	
168. Endosulfan	X		<0.10						1 ug/L	
169. Endosulfan	X		<0.10						1 ug/L	
170. Endosulfan	X		<0.10						1 ug/L	
171. Endosulfan	X		<0.10						1 ug/L	
172. Endosulfan	X		<0.10						1 ug/L	
173. Endosulfan	X		<0.10						1 ug/L	
174. Endosulfan	X		<0.10						1 ug/L	
175. Endosulfan	X		<0.10						1 ug/L	
176. Endosulfan	X		<0.10						1 ug/L	
177. Endosulfan	X		<0.10						1 ug/L	
178. Endosulfan	X		<0.10						1 ug/L	
179. Endosulfan	X		<0.10						1 ug/L	
180. Endosulfan	X		<0.10						1 ug/L	
181. Endosulfan	X		<0.10						1 ug/L	
182. Endosulfan	X		<0.10						1 ug/L	
183. Endosulfan	X		<0.10						1 ug/L	
184. Endosulfan	X		<0.10						1 ug/L	
185. Endosulfan	X		<0.10						1 ug/L	
186. Endosulfan	X		<0.10						1 ug/L	
187. Endosulfan	X		<0.10						1 ug/L	</

CONTINUED FROM PAGE V-8

EPA I.D. NUMBER (from Item 1 of Form 1) CAR000038893

OUTFALL NUMBER  
002

1. POLLUTANT AND CAS NUMBER (if available)	2. MARK 'X' IF TESTED IN THIS REPORT	3. EFFLUENT			4. UNITS	5. INTAKE (optional)		
		a. TEST TYPE	b. SEC. TESTED	c. SEC. TESTED, TEST NOT SENT		d. MAXIMUM DAILY VALUE ( <sup>if applicable</sup> )	e. LONG TERM AVERAGE VALUE ( <sup>if applicable</sup> )	f. NO. OF ANAL- YSES
GC/MS FRACTION - PESTICIDES (continued)								
177. Heptachlor Epoxyde (1024-57-3)	X		< 0.10			1	ug/L	
18P. PCB-1242 (13488-21-9)	X		< 0.10			1	ug/L	
18P. PCB-1254 (11097-88-1)	X		< 1.0			1	ug/L	
20P. PCB-1221 (1104-28-2)	X		< 1.0			1	ug/L	
21P. PCB-1232 (11141-18-6)	X		< 1.0			1	ug/L	
22P. PCB-1248 (12672-28-6)	X		< 1.0			1	ug/L	
22P. PCB-1260 (11098-82-6)	X		< 1.0			1	ug/L	
24P. PCB-1016 (12674-11-2)	X		< 1.0			1	ug/L	
25P. Toxaphene (8001-38-2)	X		< 2.0			1	ug/L	

PAGE V-9