Long Beach Generation LLC
2665 W. Seaside Blvd.
Long Beach, CA 90802

Phone: 310.615.6342
FAX: 310.615.6060

October 6, 2005

Mr. John Bishop, P.E.
Executive Officer
California Regional Water Quality Control Board, Los Angeles Region
ATTN: Technical Support Unit
320 W. 4th Street, Suite 200
Los Angeles, CA 90013

SUBJECT: Submittal of NPDES Permit Renewal Application
NPDES Permit No. CA0001171

Mr. Bishop,

Attached please find the Application for the Renewal of the NPDES Permit for the Long Beach Generating Station. The submittal of the Application for Renewal is in compliance with the requirements as set forth in the NPDES Permit Number CA0001171, California Regional Water Quality Control Board, Los Angeles Regional Order Number 01-079, covering waste discharged at Long Beach Generation LLC. Please refer this to compliance file CI No. 5764.

Analysis were conducted at a laboratory certified for such analysis by the State Department of Health Services or approved by the Executive Officer and in accordance with current EPA guidance procedures or as specified in the Monitoring Program.

I certify under the 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, or 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 a fine and imprisonment for knowing violations."

If you have any questions please contact Mr. Tim Hemig at (760) 268-4037.

Executed on the 6th day of October 2005, at Long Beach Generating Station.

Sincerely,

Long Beach Generation LLC
By: NRG El Segundo Operations Inc.,
It's Authorized Agent

By: _____
Gregory J. Hughes
Regional Plant Manger

ENCL: Enclosed Attachments

APPLICATION FOR RENEWAL OF NPDES PERMIT FOR THE LONG BEACH GENERATION LLC

Long Beach Generating Station

(Permit No. CA0001171)

Submitted

To the

Los Angeles Regional Water Quality Control Board

October 7, 2005

Table of Contents

Los Angeles Regional Water Quality Control Board Order 01-079, Waste Discharge Requirements and NPDES Permit for Long Beach Long Beach Generating Station, expires on April 10, 2006. This application is being submitted for the renewal of the permit.

The following California and Federal application forms are enclosed:

- Signatory and Certification Statement to NPDES Permit Applications
- SWRCB Contributions Disclosure Statement
- SWRCB Form 200
- EPA Form 1
- EPA Form 2C

These applications contain the following Attachments and Appendices:

SWRCB FORM 200:

Section VI. – Characterization Information and Site Map

Attached to this application are the following U.S. EPA applications:

- Form 1
- Form 2C

These forms and their attachments provide a complete characterization of this facility's NPDES discharge, and include:

- Water mass balance schematic
- SWPPP
- Site map

SWRCB Form 1:

- Figure 1: Location Map
- Figure 2: Hazardous Materials Locations
- Figure 3: Long Beach Generating Station Map

EPA Form 2C

- Table 1 – Intake and Effluent Characteristics – Existing Operations - EPA Form 2C
- Figure 4 -Schematic of Water Flow
- Description of Long Beach Generating Station's Facilities, Operations and Discharges, including:
    - Plant & Operations Description
        - Table 2 – Outfall and Nature of Waste Discharge
    - Historical NPDES Monitoring Data 2001 - 2004
    - Requested Changes to the Permit
        - Figure 5 - New Schematic Diagram of Water Flow – Direct Discharge of Low Volume Waste Stream
        - Table 3 – Direct Discharge of Low Volume Waste Stream – EPA Form 2C
- Application Sampling and Analysis Laboratory Report
    - Existing Operations 24-hour Composite Sampling June 2005
    - Alternate Discharge 24-Hour Composite Sampling July 2005
    - Low Volume Waste Discharge Sampling July/September/October 2005
- Business Owner/Operation Identification Manual
- Storm Water Pollution Prevention Plan
- NPDES Monitoring Toxicity Evaluation Report Summary
- Regional Water Quality Control Board And Related Correspondence

Section 1.0
Form 200 and Contributions Disclosure Statement

CALIFORNIA ENVIRONMENTAL PROTECTION AGENCY

State of California
Regional Water Quality Control Board

APPLICATION/REPORT OF WASTE DISCHARGE
GENERAL INFORMATION FORM FOR
WASTE DISCHARGE REQUIREMENTS OR NPDES PERMIT

I. FACILITY INFORMATION

A. Facility:

Name: Long Beach Generation LLC			
Address: 2665 West Seaside Boulevard			
City: Long Beach	County: Los Angeles	State: CA	Zip Code: 90802
Contact Person: Roy E. Craft		Telephone Number: (310) 615-6342	

B. Facility Owner:

Name: Long Beach Generation LLC			Owner Type (Check One) 1. ☐ Individual 2. ☒ Corporation 3. ☐ Governmental Agency 4. ☐ Partnership 5. ☐ Other:
Address: 2665 West Seaside Boulevard			
City: Long Beach	State: CA	Zip Code: 90802	
Contact Person: Roy E. Craft	Telephone Number: (310) 615-6342	Federal Tax ID: 41-192-9997	

C. Facility Operator (The agency or business, not the person):

Name: NRG El Segundo Operations Inc.			Operator Type (Check One) 1. ☐ Individual 2. ☒ Corporation 3. ☐ Governmental Agency 4. ☐ Partnership 5. ☐ Other:
Address: 301 Vista Del Mar			
City: El Segundo	State: CA	Zip Code: 90245	
Contact Person: Roy E. Craft	Telephone Number: (310) 615-6342		

D. Owner of the Land:

Name: Long Beach Generation LLC			Owner Type (Check One) 1. ☐ Individual 2. ☒ Corporation 3. ☐ Governmental Agency 4. ☐ Partnership 5. ☐ Other:
Address: 2665 West Seaside Boulevard			
City: Long Beach	State: CA	Zip Code: 90802	
Contact Person: Roy E. Craft	Telephone Number: (310) 615-6342		

E. Address Where Legal Notice May Be Served:

Address: 301 Vista Del Mar		
City: El Segundo	State: CA	Zip Code: 90245
Contact Person: Roy E. Craft	Telephone Number: (310) 615-6342	

F. Billing Address:

Address: 301 Vista Del Mar		
City: El Segundo	State: CA	Zip Code: 90245
Contact Person: Roy E. Craft	Telephone Number: (310) 615-6342	

CALIFORNIA ENVIRONMENTAL PROTECTION AGENCY

State of California
Regional Water Quality Control Board

APPLICATION/REPORT OF WASTE DISCHARGE GENERAL INFORMATION FORM FOR WASTE DISCHARGE REQUIREMENTS OR NPDES PERMIT

II. TYPE OF DISCHARGE

Check Type of Discharge(s) Described in this Application (A or B):

☐ **A. WASTE DISCHARGE TO LAND** ☒ **B. WASTE DISCHARGE TO SURFACE WATER**

Check all that apply:

- ☐ Domestic/Municipal Wastewater Treatment and Disposal
- ☐ Cooling Water
- ☐ Mining
- ☐ Waste Pile
- ☐ Wastewater Reclamation
- ☒ Other, please describe: Groundwater
- ☐ Animal Waste Solids
- ☐ Land Treatment Unit
- ☐ Dredge Material Disposal
- ☐ Surface Impoundment
- ☒ Industrial Process Wastewater
- ☐ Animal or Aquacultural Wastewater
- ☐ Biosolids/Residual
- ☐ Hazardous Waste (see instructions)
- ☐ Landfill (see instructions)
- ☒ Storm Water

III. LOCATION OF THE FACILITY

Describe the physical location of the facility.

1. Assessor's Parcel Number(s)
Facility: 7436-030-812
Discharge Point:

2. Latitude
Facility: 33° 45' 53"
Discharge Point:

3. Longitude
Facility: 118° 13' 17"
Discharge Point:

IV. REASON FOR FILING

- ☐ New Discharge or Facility
- ☐ Changes in Ownership/Operator (see instructions)
- ☐ Change in Design or Operation
- ☒ Waste Discharge Requirements Update or NPDES Permit Reissuance
- ☐ Change in Quantity/Type of Discharge
- ☐ Other: _____

V. CALIFORNIA ENVIRONMENTAL QUALITY ACT (CEQA)

Name of Lead Agency: Los Angeles Regional Water Quality Control Board

Has a public agency determined that the proposed project is exempt from CEQA? ☒ **Yes** ☐ **No**

If Yes, state the basis for the exemption and the name of the agency supplying the exemption on the line below.

Basis for Exemption/Agency: CA Water Code Section 13389 / LA RWQCB

Has a "Notice of Determination" been filed under CEQA? ☐ **Yes** ☒ **No**

If Yes, enclose a copy of the CEQA document, Environmental Impact Report, or Negative Declaration. If no, identify the expected type of CEQA document and expected date of completion.

Expected CEQA Documents:

☐ **EIR** ☐ **Negative Declaration** **Expected CEQA Completion Date:** _____

CALIFORNIA ENVIRONMENTAL PROTECTION AGENCY

State of California
Regional Water Quality Control Board

APPLICATION/REPORT OF WASTE DISCHARGE GENERAL INFORMATION FORM FOR WASTE DISCHARGE REQUIREMENTS OR NPDES PERMIT

VI. OTHER REQUIRED INFORMATION

Please provide a COMPLETE characterization of your discharge. A complete characterization includes, but is not limited to, design and actual flows, a list of constituents and the discharge concentration of each constituent, a list of other appropriate waste discharge characteristics, a description and schematic drawing of all treatment processes, a description of any Best Management Practices (BMPs) used, and a description of disposal methods.

Also include a site map showing the location of the facility and, if you are submitting this application for an NPDES permit, identify the surface water to which you propose to discharge. Please try to limit your maps to a scale of 1:24,000 (7.5' USGS Quadrangle) or a street map, if more appropriate.

VII. OTHER

Attach additional sheets to explain any responses which need clarification. List attachments with titles and dates below:

Attachment 1: Form 200 Section VI (Characterization Information and Site Map)

You will be notified by a representative of the RWQCB within 30 days of receipt of your application. The notice will state if your application is complete or if there is additional information you must submit to complete your Application/Report of Waste Discharge, pursuant to Division 7, Section 13260 of the California Water Code.

VIII. CERTIFICATION

"I certify under penalty of law that this document, including all attachments and supplemental information, were prepared under my direction and supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or 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."

Print Name: Gregory J. Hughes Title: Regional Plant Manager

Signature: Gregory J. Hughes Date: 10/5/05

Gregory J. Hughes
Regional Plant Manager
Long Beach Generation, LLC
by: NRG El Segundo Operations, Inc.
Its Authorized Agent

(310) 615-6029

FOR OFFICE USE ONLY

Date Form 200 Received:	Letter to Discharger:	Fee Amount Received:	Check #:

Section 2.0
EPA Form 1 and Site Maps

THIS PERMIT APPLICATION FORM WAS ELECTRONICALLY GENERATED BY P.A.S.S.

FORM APPROVED. OMB No. 2040-0086

FORM 1 GENERAL

U.S. ENVIRONMENTAL PROTECTION AGENCY

GENERAL INFORMATION

Consolidated Permits Program

(Read the "General Instructions" before starting.)

I. EPA I.D. NUMBER

S F: CARO00037705 | T/A | C D

LABEL ITEMS

I. EPA I.D. NUMBER

III. FACILITY NAME

V. FACILITY MAILING ADDRESS

VI. FACILITY LOCATION

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.

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' 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		
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 1: Long Beach Generation LLC

IV. FACILITY CONTACT

A. NAME & TITLE *(last, first & title)*	B. PHONE *(area code & no.)*
C 2: Roy E. Craft, Project Manager	(310) 615-6342

V. FACILITY MAILING ADDRESS

A. STREET OR P.O. BOX

C 3: 301 Vista Del Mar

B. CITY OR TOWN	C. STATE	D. ZIP CODE
C 4: El Segundo	CA	90245

VI. FACILITY LOCATION

A. STREET, ROUTE NO. OR OTHER SPECIFIC IDENTIFIER

C 5: 2665 West Seaside Boulevard

B. COUNTY NAME

Los Angeles

C. CITY OR TOWN	D. STATE	E. ZIP CODE	F. COUNTY CODE *(if known)*
C 6: Long Beach	CA	90802	

VII. SIC CODES (4-digit, in order of priority)

A. FIRST		B. SECOND	
4911	(specify) Electric Power Generation		(specify)

C. THIRD		D. FOURTH	
	(specify)		(specify)

VIII. OPERATOR INFORMATION

A. NAME	B. Is the name listed in Item VIII-A also the owner?
NRG El Segundo Operations Inc.	No

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)	3106156387

E. STREET OR P.O. BOX

301 Vista Del Mar

F. CITY OR TOWN	G. STATE	H. ZIP CODE	IX. INDIAN LAND
El Segundo	CA	90245	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)	
N	CA0001171	P	

B. UIC (Underground Injection of Fluids)		E. OTHER	
U			(specify)

C. RCRA (Hazardous Wastes)		E. OTHER	
			(specify)

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)

To generate electricity.

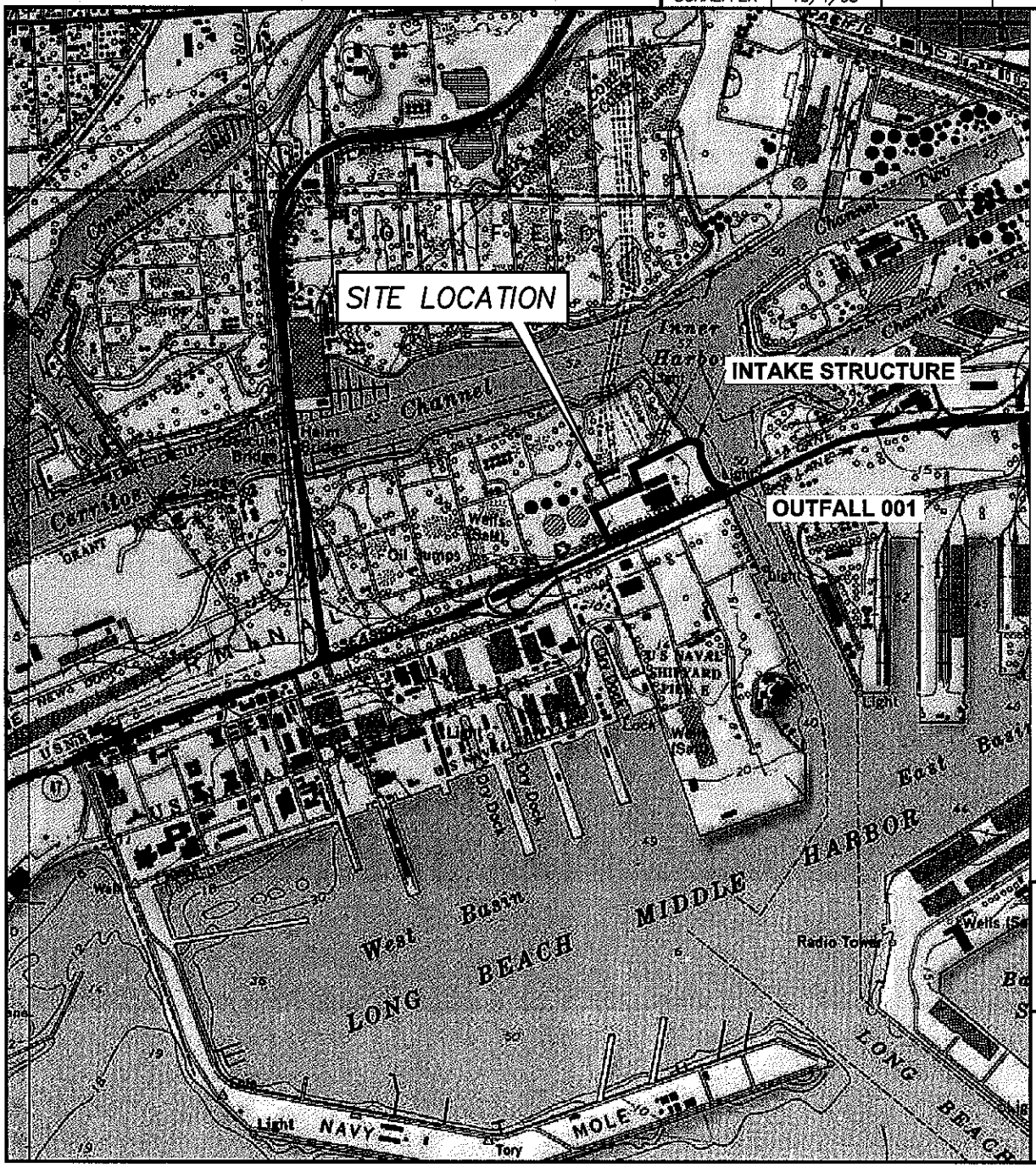
XIII. CERTIFICATION (see

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 teh application, I believe that the information is true, accurate and complete. I am aware that there are significant penalities for submitting false information, including the possibility of fine and imprisonment.

A. NAME & OFFICIAL TITLE (type or print)	B. SIGNATURE	C. DATE SIGNED
Gregory J. Hughes Regional Plant Manager	Gregory J. Hughes	10/5/05

COMMENTS FOR OFFICIAL USE ONLY

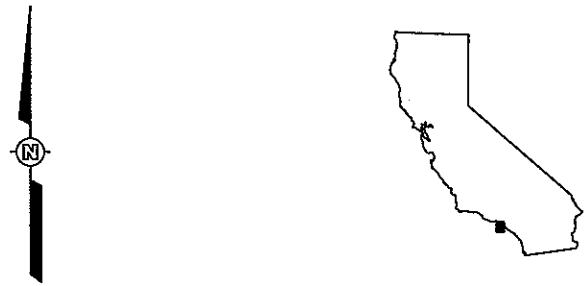
DRAWN BY		CHECKED BY		APPROVED BY		DRAWING NUMBER	1009734007-A4
SCHAEFFER	10/4/05						



REFERENCE:

7.5' USGS TOPOGRAPHIC QUADRANGLE OF "LONG BEACH, CA" DATED 1978; PHOTOREVISED 1981. SCALE = 1:24000.

OUTFALL 001
LAT 33° 45' 53"
LONG 118° 13' 17"



SCALE
0 2000 4000 FEET

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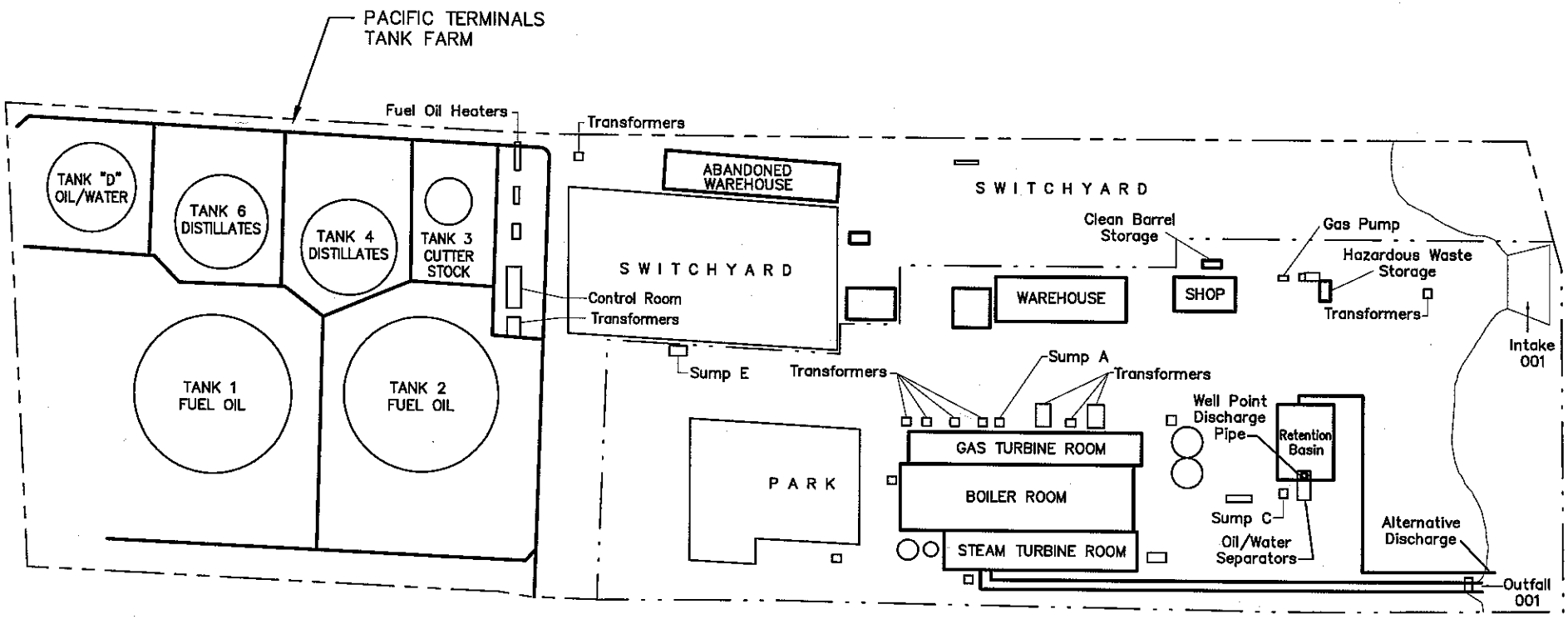
LONG BEACH GENERATION, LLC

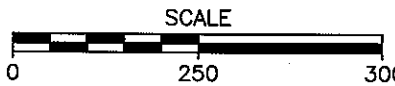
FIGURE 1

LOCATION MAP

LONG BEACH, CALIFORNIA

DRAWN BY		CHECKED BY		APPROVED BY		DRAWING NUMBER	1009734007-A5
SJZ	9/22/05						





LEGEND:

——— - - ——— APPROXIMATE SOUTHERN CALIFORNIA EDISON PACIFIC TERMINALS PROPERTY BOUNDARY

——— · · ——— APPROXIMATE PROPERTY BOUNDARY OF ASSET SALE AGREEMENT

REFERENCE:
DRAWING FROM WOODWARD–CLYDE
CAD ID: P–BORE DATED: MAY 1998

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Shaw Environmental, Inc.

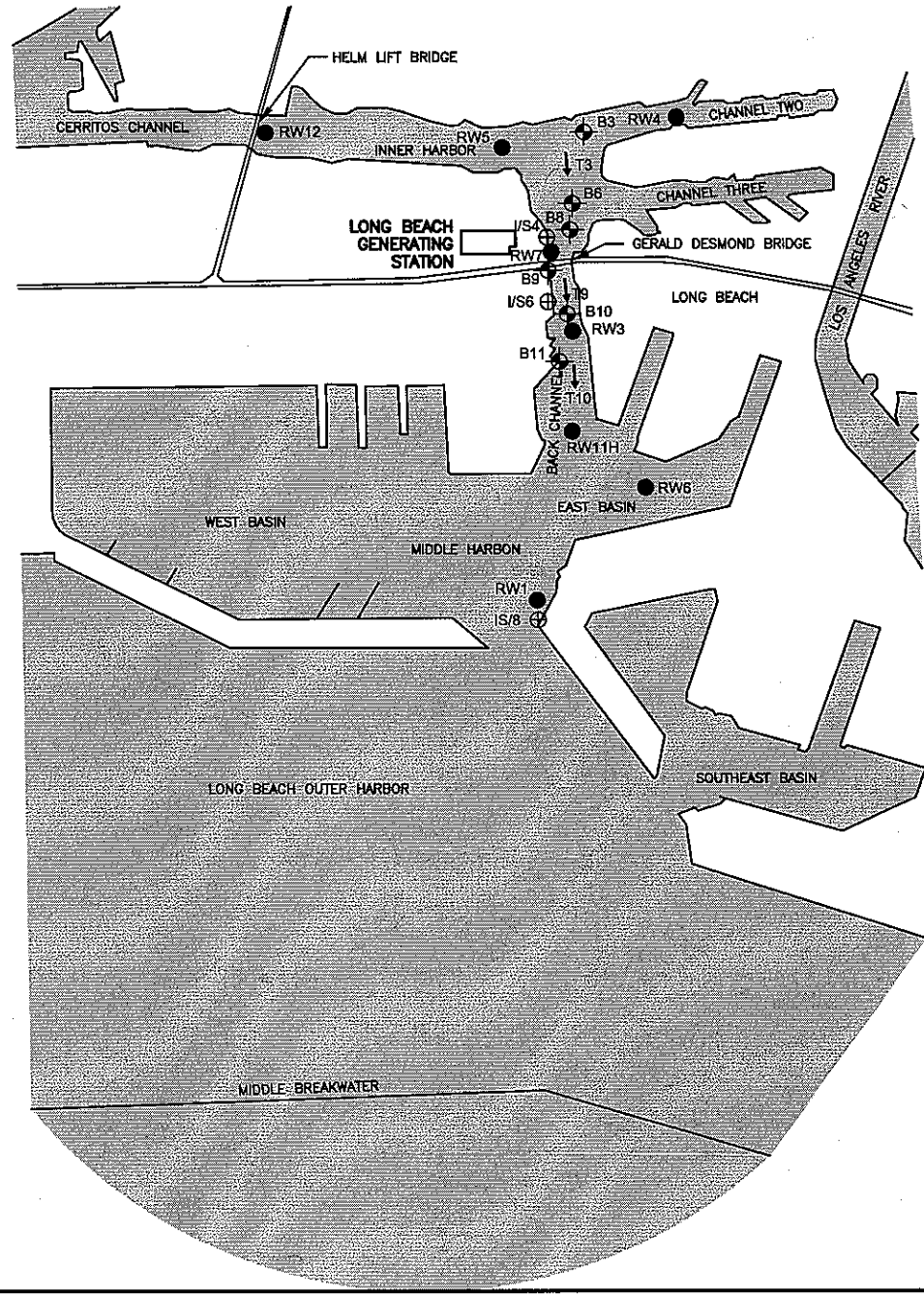
NRG EL SEGUNDO OPERATIONS INC.

FIGURE 2

SITE PLAN

LONG BEACH, CALIFORNIA

DRAWN BY		CHECKED BY		APPROVED BY		DRAWING NUMBER	1009734007-A2
SCHAEFFER	8/1/05						



LEGEND

- RECEIVING WATER MONITORING STATION
- BENTHIC STATION
- INTERTIDAL/SUBTIDAL STATION
- TRAWL STATION

N

SCALE

0 2000 4000 FEET

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LONG BEACH GENERATION, LLC

FIGURE 3

LONG BEACH GENERATING STATION MAP

LONG BEACH, CALIFORNIA

Section 3.0
EPA Form 2C and Schematic Diagram of Water Flow

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

EPA I.D. NUMBER (copy from Item 1 of Form 1): **CARO00037705**

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

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	33.00	45.00	53.00	118.00	13.00	17.00	Back Channel in Long Beach Harbor

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.

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	Once Through Cooling Water	261 MGD	Ocean Discharge	4-B
	Yard Drains	1.2 MGD	Retention & Ocean Discharge	4-B
	Plant Drains	0.07 MGD	Oil Removal, Retention & Ocean Discharge	1-H
	Groundwater Well Point System	1.44 MGD	Oil Removal, Retention & Ocean Discharge	1-H
	Oil Recovery System	0.156 MGD	Oil Removal, Retention & Ocean Discharge	1-H
	Waste from Pacific Energy Group LLC includes the following:		Treatments for Waste from Pacific Energy LLC include the following:	
	Fuel Storage Groundwater Well Point (Tank Farm Drains)	0.504 MGD	Oil Removal, Retention & Ocean Discharge	1-H
	Fuel Storage Yard Drains	Negligible	Oil Removal, Retention & Ocean Discharge	1-H

OFFICIAL USE ONLY (effluent guidelines sub-categories)

*Average flow based on maximum flow rates.

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?

[X] *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?

[X] *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)* [X] *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)* [X] *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*

1. PROJECT DESCRIPTION	2. PROJECT SCHEDULE	3. PROJECT UNDERWAY?

V. INTAKE AND EFFLUENT CHARACTERISTICS

A, B, & C: See instuctions 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
Asbestos	Pipe insulation (LBGS employs procedures to prevent the release of asbestos to the environment).

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)*

Quarterly Chronic Toxicity Tests (EPA-R-95/136)	Tests were conducted in years 2001 through 2004 on receiving and effluent discharge water using abalone, silver slides and kelp. TUc values were 1.

SCE Power Production Chemical	7301 Fenwich Lane, 2nd Floor Westminster CA 92683	(714) 895-0525	Residual Chlorine, pH, Oil and Grease, TSS, Nitrite-Nitrate, Sulfate, Sulfite, Sulfide, and Total Magnesium
Calscience Environmental Laboratories, Inc.	7440 Lincoln Way Garden Grove CA 92841	(714) 895-5494	Phenolics, Cyanide, Phosphorus, Pesticides/PCBs, TKN, COD, TOC, Ammonia, Fluoride, Bromide, and MBAS
Paragon Analytics	225 Commerce Drive Fort Collins CO 80524	(800) 443-1511	Radioactivity
STL Los Angeles	1721 South Grand Avenue Santa Ana CA 92705	(714) 258-8610	VOCs, SVOCs, and Dioxin
CRG Marine Laboratories, Inc.	2020 Del Amo Boulevard, Suite 200 Torrance CA 90501	(310) 533-5190	Trace Metals, Barium and Boron

A. NAME & OFFICIAL TITLE	B. PHONE NO. (area code & no.)
Gregory J. Hughes Regional Plant Manager	(310) 615-6029
C. SIGNATURE Gregory J. Hughes	D. DATE SIGNED 10/7/05

TABLE 1
INTAKE AND EFFLUENT CHARACTERISTICS
LONG BEACH GENERATING STATION
NPDES PERMIT (CA0001171) RENEWAL APPLICATION (10/12/05)
EPA NPDES Application Form 2C - Section V, Part A
Sampling Dates: June 24-25, 2005

EPA ID No. CAR 000 037 705

V. Intake and Effluent Characteristics												Outfall No. 001
Part A.												
Pollutant	Effluent							Units		Intake		
	Maximum Daily Value		Maximum 30 Day Value		Long Term Avrg Value		No. of Analyses			Long Term Avrg Value		No. of Analyses
	Conc	Mass	Conc	Mass	Conc	Mass		Conc	Mass	Conc	Mass	
a. Biochemical Oxygen Demand	<1.0	<0.32					1	mg/L	tons	1.5	0.48	1
b. Chemical Oxygen Demand	620	196.37					1	mg/L	tons	450	142.53	1
c. Total Organic Carbon	<5.0	<1.58					1	mg/L	tons	<5.0	<1.58	1
d. Total Suspended Solids	18.5	5.86					1	mg/L	tons	17.8	5.64	1
e. Ammonia (as N)	<0.10	<0.03					1	mg/L	tons	<0.10	<0.03	1
f. Flow	Value=76						2	MGD				2
g. Temperature (winter)	Intake Value = 16.9		Value = 20.3		Value = 19.7		90	Deg - C		Value = 16.1		90
h. Temperature (summer)	Discharge Value = 20.3		Value = 26.1		Value = 26		92	Deg - C		Value = 22.1		92
i. pH	Min=7.50	Max=7.63	Min = NA	Max = NA	N/A		9	Standard Units		Min=7.56	Max=7.82	9

Note:

1) "<" indicates that the pollutant concentration was not detected. For these pollutants, the detection limit is reported in the concentration column. For the purpose of calculating mass emissions for this table, the detection limit was utilized as the concentration where the pollutant was not detected. Such substitution should not be used for the purpose of determining compliance with effluent limits.

2) Mass emissions were calculated using the flow during the actual sampling period (i.e. 76 MGD).

3) Flow information is based upon daily discharge flows from June 24-25, 2005.

4) Temperature information is based upon daily average temperatures from:
   * Summer - July 1 to September 30, 2004
   * Winter - January 1 to March 31, 2004

TABLE 1
INTAKE AND EFFLUENT CHARACTERISTICS
LONG BEACH GENERATING STATION
NPDES PERMIT (CA0001171) RENEWAL APPLICATION (10/12/05)
EPA NPDES Application Form 2C - Section V, Part B

EPA ID No. CAT 000 037 705

V. Intake and Effluent Characteristics															Outfall No. 001
Part B.															
Pollutant	CAS No.	Mark X		Effluent							Units		Intake		
		Believed Present	Believed Absent	Maximum Daily Value		Maximum 30 Day Value		Long Term Avrg Value		No. of Analyses			Long Term Avrg Value		No. of Analyses
				Conc	Mass	Conc	Mass	Conc	Mass		Conc	Mass	Conc	Mass	
a. Bromide	24959-67-9	X		81	25.65					1	mg/L	tons	85	26.92	1
b. Chlorine, Total Residual		X		<0.03	<19.0					9	mg/L	lbs	<0.03	<19.0	9
c. Color		X		<40	NA					1	color units	N/A	<5	NA	1
d. Fecal Coliform		X		<20	NA					9	MPN/100ml	N/A	110	NA	9
e. Fluoride	16984-48-8	X		0.71	449.75					1	mg/L	lbs	0.70	443.41	1
f. Nitrate-Nitrite (as N)		X		<1.0	<633.44					1	mg/L	lbs	<1.0	<633.44	1
g. Nitrogen, Total Organic (as N)		X		<0.50	<316.72					1	mg/L	lbs	<0.50	<316.72	1
h. Oil and Grease		X		<1.4	<886.82					9	mg/L	lbs	--	--	0
i. Phosphorus, (as P) Total	7723-14-0	X		0.15	95.02					1	mg/L	lbs	<0.10	<63.34	1
j(1). Radioactivity: Alpha, Total		X		-2 +/- 27						1	pCi/L		-13 +/- 27		1
j(2). Radioactivity: Beta, Total		X		277 +/- 75						1	pCi/L		275 +/- 75		1
j(3). Radioactivity: Radium, Total		X		0.09 +/- 0.13						1	pCi/L		0.08 +/- 0.11		1
j(4). Radioactivity: Radium 226, Total		X		0.19 +/- 0.26						1	pCi/L		0.09 +/- 0.30		1
k. Sulfate (SO4)	14808-79-8	X		2330	737.96					1	mg/L	tons	2370	750.63	1
l. Sulfide (as S)		X		<0.02	<12.69					1	mg/L	lbs	<0.02	<16.69	1
m. Sulfite (as SO3)	14265-45-3	X		<1.0	<633.44					1	mg/L	lbs	<1.0	<633.44	1
n. Surfactants		X		<0.10	<63.34					1	mg/L	lbs	<0.10	<63.34	1
o. Aluminum, Total	7429-90-5	X		11.1	7.03					1	ug/L	lbs	40.2	25.46	1
p. Barium, Total	7440-39-3	X		<100	<63.34					1	ug/L	lbs	<100	<63.34	1
q. Boron, Total	7440-42-8	X		5.98	1.89					1	mg/L	tons	5.47	1.73	1
r. Cobalt, Total	7440-48-4	X		<0.005	<0.003					1	ug/L	lbs	<0.005	<0.003	1
s. Iron, Total	7439-89-6	X		32.6	20.65					1	ug/L	lbs	25.8	16.34	1
t. Magnesium, Total	7439-95-4	X		1200	380.07					1	mg/L	tons	1220	386.4	1
u. Molybdenum, Total	7439-98-7	X		9.1	5.76					1	ug/L	lbs	9.4	5.95	1
v. Manganese, Total	7439-96-5	X		19	12.04					1	ug/L	lbs	17	10.77	1
w. Tin, Total	7440-31-5	X		0.019	0.01					1	ug/L	lbs	0.017	0.012	1
x. Titanium, Total	7440-32-6	X		1.1	0.70					1	ug/L	lbs	2.2	1.39	1

Note:

1) "<" indicates that the pollutant concentration was not detected. For these pollutants, the detection limit is reported in the concentration column. For the purpose of calculating mass emissions for this table, the detection limit was utilized as the concentration where the pollutant was not detected. Such substitution should not be used for the purpose of determining compliance with effluent limits.

2) Mass emissions were calculated using the flow during the actual sampling period (i.e. grab samples - 76 MGD; composite samples - 76 MGD)

TABLE 1
INTAKE AND EFFLUENT CHARACTERISTICS
LONG BEACH GENERATING STATION
NPDES PERMIT (CA0001171) RENEWAL APPLICATION (10/12/05)
EPA NPDES Application Form 2C - Section V, Part C

EPA ID No. CAR 000 037 705

V. Intake and Effluent Characteristics																	Outfall No. 001
Part C.																	
Pollutant	CAS No.	Mark X			Effluent							Units		Intake			
		Testing Required	Believed Present	Believed Absent	Maximum Daily Value		Maximum 30 Day Value		Long Term Avrg Value		No. of Analyses			Long Term Avrg Value		No. of Analyses
					Conc	Mass	Conc	Mass	Conc	Mass		Conc	Mass	Conc	Mass	
Metals, Cyanide, and Total Phenols																
Total Antimony	7440-36-0	X			0.161	0.10					1	ug/l	lbs	0.125	0.08	1
Total Arsenic	7440-38-2	X			1.62	1.03					1	ug/l	lbs	1.31	0.83	1
Total Beryllium	7440-41-7	X			0.006	0.004					1	ug/l	lbs	0.006	0.004	1
Total Cadmium	7440-43-9	X			0.08	0.05					1	ug/l	lbs	0.05	0.03	1
Total Chromium	7440-47-3	X			0.35	0.22					1	ug/l	lbs	0.43	0.27	1
Total Copper	7440-50-8	X			2.70	1.71					1	ug/l	lbs	1.85	1.17	1
Total Lead	7439-92-1	X			0.39	0.25					1	ug/l	lbs	0.39	0.25	1
Total Mercury	7439-97-6	X			0.0016	0.001					1	ug/l	lbs	0.0015	0.001	1
Total Nickel	7440-02-0	X			0.99	0.63					1	ug/l	lbs	0.38	0.24	1
Total Selenium	7782-49-2	X			<0.01	<0.01					1	ug/l	lbs	0.20	0.20	1
Total Silver	7440-22-4	X			<0.005	<0.003					1	ug/l	lbs	<0.005	<0.003	1
Total Thallium	7440-28-0	X			<0.005	<0.003					1	ug/l	lbs	0.008	0.01	1
Total Zinc	7440-66-6	X			22	13.94					1	ug/l	lbs	13	8.23	1
Total Cyanide	57-12-5	X			<0.05	<31.67					9	mg/l	lbs	--	--	0
Total Phenols		X			0.54	342.06					9	mg/l	lbs	--	--	0
Dioxin																
2,3,7,8-Tetrachlorodibenso-P-Dioxin	1746-01-6			X	7.5							pg/l	lbs	--	--	
GS/MS Fraction - Volatile Compounds																
1V acrolein	107-02-8	X			<12	<7.60					5	ug/l	lbs	--	--	0
2V acrylonitrile	107-13-1	X			<10	<6.33					5	ug/l	lbs	--	--	0
3V benzene	71-43-2	X			<0.3	<0.19					5	ug/l	lbs	--	--	0
4V bis (Chloromethyl) Ether	542-88-1	N/A*			<1.0	<0.633					5	ug/l	lbs	--	--	0
5V bromoform	75-25-2	X			<0.3	<0.19					5	ug/l	lbs	--	--	0
6V carbon tetrachloride	56-23-5	X			<0.3	<0.19					5	ug/l	lbs	--	--	0
7V chlorobenzene	108-90-7	X			<0.3	<0.19					5	ug/l	lbs	--	--	0
8V chlorodibromomethane	124-48-1	X			<0.4	<0.25					5	ug/l	lbs	--	--	0
9V chloroethane	75-00-3	X			<0.3	<0.19					5	ug/l	lbs	--	--	0
10V 2-chloroethylvinyl ether	110-75-8	X			<2.0	<1.27					5	ug/l	lbs	--	--	0
11V chloroform	67-66-3	X			<0.3	<0.19					5	ug/l	lbs	--	--	0
12V dichlorobromomethane	75-27-4	X			<0.3	<0.19					5	ug/l	lbs	--	--	0
13V dichlorodifluoromethane	75-71-8	N/A*			<0.4	<0.25					5	ug/l	lbs	--	--	0
14V 1,1-dichloroethane	75-34-3	X			<0.2	<0.127					5	ug/l	lbs	--	--	0
15V 1,2-dichloroethane	107-06-2	X			<0.4	<0.25					5	ug/l	lbs	--	--	0
16V 1,1-dichloroethylene	75-35-4	X			<0.3	<0.19					5	ug/l	lbs	--	--	0
17V 1,2-dichloropropane	78-87-5	X			<0.3	<0.19					5	ug/l	lbs	--	--	0
18V 1,3-dichloropropylene	542-75-6	X			<0.5	<0.32					5	ug/l	lbs	--	--	0
19V ethylbenzene	100-41-4	X			<0.2	<0.127					5	ug/l	lbs	--	--	0
20V methyl bromide	74-83-9	X			<1.0	<0.63					5	ug/l	lbs	--	--	0
21V methyl chloride	74-87-3	X			<0.3	<0.19					5	ug/l	lbs	--	--	0
22V methylene chloride	75-09-2	X			<0.3	<0.19					5	ug/l	lbs	--	--	0
23V 1,1,2,2-tetrachloroethane	79-34-5	X			<0.4	<0.25					5	ug/l	lbs	--	--	0
24V tetrachloroethylene	127-18-4	X			<0.3	<0.19					5	ug/l	lbs	--	--	0
25V toluene	108-88-3	X			<0.3	<0.19					5	ug/l	lbs	--	--	0
26V 1,2-trans-dichloroethylene	156-60-5	X			<0.3	<0.19					5	ug/l	lbs	--	--	0
27V 1,1,1-trichloroethane	71-55-6	X			<0.2	<0.127					5	ug/l	lbs	--	--	0
28V 1,1,2-trichloroethane	79-00-5	X			<0.3	<0.19					5	ug/l	lbs	--	--	0
29V trichloroethylene	79-01-6	X			<0.3	<0.19					5	ug/l	lbs	--	--	0
30V trichlorofluoromethane	75-69-4	N/A*			<0.3	<0.19					5	ug/l	lbs	--	--	0
31V vinyl chloride	75-01-4	X			<0.3	<0.19					5	ug/l	lbs	--	--	0
32V tributyltin (Note 3)		X			--	--					0	ug/l	lbs	--	--	0
GS/MS Fraction - Acid Compounds																
1A 2-chlorophenol	95-57-8	X			<3.0	<1.90					1	ug/l	lbs	--	--	0
2A 2,4-dichlorophenol	120-83-2	X			<5.0	<3.17					1	ug/l	lbs	--	--	0
3A 2,4-dimethylphenol	105-67-9	X			<5.0	<3.17					1	ug/l	lbs	--	--	0

TABLE 1
INTAKE AND EFFLUENT CHARACTERISTICS
LONG BEACH GENERATING STATION
NPDES PERMIT (CA0001171) RENEWAL APPLICATION (10/12/05)
EPA NPDES Application Form 2C - Section V, Part C

EPA ID No. CAR 000 037 705

V. Intake and Effluent Characteristics																	Outfall No. 001
Part C.																	
Pollutant	CAS No.	Mark X			Effluent							Units		Intake			
		Testing Required	Believed Present	Believed Absent	Maximum Daily Value		Maximum 30 Day Value		Long Term Avrg Value		No. of Analyses			Long Term Avrg Value		No. of Analyses
					Conc	Mass	Conc	Mass	Conc	Mass		Conc	Mass	Conc	Mass	
4A 4,6-dinitro-o-cresol	534-52-1	X			<10	<6.33					1	ug/l	lbs	--	--	0
5A 2,4-dinitrophenol	51-28-5	X			<15	<9.50					1	ug/l	lbs	--	--	0
6A 2-nitrophenol	88-75-5	X			<4.0	<2.53					1	ug/l	lbs	--	--	0
7A 4-nitrophenol	100-02-7	X			<10	<6.33					1	ug/l	lbs	--	--	0
8A p-chloro-m-cresol	59-50-7	X			<2.0	<1.27					1	ug/l	lbs	--	--	0
9A pentachlorophenol	87-86-5	X			<10	<6.33					1	ug/l	lbs	--	--	0
10A phenol	108-95-2	X			<2.0	<1.27					1	ug/l	lbs	--	--	0
11A 2,4,6-trichlorophenol	88-06-2	X			<2.0	<1.27					1	ug/l	lbs	--	--	0
GS/MS Fraction - Base/Neutral Compounds																
1B acenaphthene	83-32-9	X			<3.0	<1.90					1	ug/l	lbs	--	--	0
2B acenaphthylene	208-96-8	X			<2.0	<1.27					1	ug/l	lbs	--	--	0
3B anthracene	120-12-7	X			2.0	1.27					1	ug/l	lbs	--	--	0
4B benzidine	92-87-5	X			<13	<8.23					1	ug/l	lbs	--	--	0
5B benzo(a)anthracene	56-55-3	X			<2.0	<1.27					1	ug/l	lbs	--	--	0
6B benzo(a)pyrene	50-32-8	X			<2.0	<1.27					1	ug/l	lbs	--	--	0
7B 3,4-benzofluoranthene	205-99-2	X			<5.0	<3.17					1	ug/l	lbs	--	--	0
8B benzo(ghi)perylene	191-24-2	X			<2.0	<1.27					1	ug/l	lbs	--	--	0
9B benzo(k)fluoranthene	207-08-9	X			<5.0	<3.17					1	ug/l	lbs	--	--	0
10B bis(2-chloroethoxy)methane	111-91-1	X			<2.0	<1.27					1	ug/l	lbs	--	--	0
11B bis(2-chloroethyl)ether	111-44-4	X			<3.0	<1.90					1	ug/l	lbs	--	--	0
12B bis(2-chloroisopropyl)ether	102-60-1	X			<4.0	<2.53					1	ug/l	lbs	--	--	0
13B bis(2-ethylhexyl)phthalate	117-81-7	X			<4.0	<2.53					1	ug/l	lbs	--	--	0
14B 4-bromophenyl phenyl ether	101-55-3	X			<2.0	<1.27					1	ug/l	lbs	--	--	0
15B butylbenzyl phthalate	85-68-7	X			<4.0	<2.53					1	ug/l	lbs	--	--	0
16B 2-chloronaphthalene	91-58-7	X			<3.0	<1.90					1	ug/l	lbs	--	--	0
17B 4-chlorophenyl phenyl ether	7005-72-3	X			<2.0	<1.27					1	ug/l	lbs	--	--	0
18B chrysene	218-01-9	X			<2.0	<1.27					1	ug/l	lbs	--	--	0
19B dibenzo(a,h)anthracene	53-70-3	X			<5.0	<3.17					1	ug/l	lbs	--	--	0
20B 1,2-dichlorobenzene	95-50-1	X			<3.0	<1.90					1	ug/l	lbs	--	--	0
21B 1,3-dichlorobenzene	541-73-1	X			<2.0	<1.27					1	ug/l	lbs	--	--	0
22B 1,4-dichlorobenzene	106-46-7	X			<3.0	<1.90					1	ug/l	lbs	--	--	0
23B 3,3-dichlorobenzidine	91-94-1	X			<5.0	<3.17					1	ug/l	lbs	--	--	0
24B diethyl phthalate	84-66-2	X			<2.0	<1.27					1	ug/l	lbs	--	--	0
25B dimethyl phthalate	131-11-3	X			<2.0	<1.27					1	ug/l	lbs	--	--	0
26B di-n-butyl phthalate	84-74-2	X			<2.0	<1.27					1	ug/l	lbs	--	--	0
27B 2,4-dinitrotoluene	121-14-2	X			<2.0	<1.27					1	ug/l	lbs	--	--	0
28B 2,6-dinitrotoluene	606-20-2	X			<2.0	<1.27					1	ug/l	lbs	--	--	0
29B di-n-octyl phthalate	117-84-0	X			<4.0	<2.53					1	ug/l	lbs	--	--	0
30B 1,2-diphenylhydrazine (as azobenzene)	122-66-7	X			<2.0	<1.27					1	ug/l	lbs	--	--	0
31B fluoranthene	206-44-0	X			<2.0	<1.27					1	ug/l	lbs	--	--	0
32B fluorene	86-73-7	X			<2.0	<1.27					1	ug/l	lbs	--	--	0
33B hexachlorobenzene	118-74-1	X			<5.0	<3.17					1	ug/l	lbs	--	--	0
34B hexachlorobutadiene	87-68-3	X			<2.0	<1.27					1	ug/l	lbs	--	--	0
35B hexachlorocyclopentadiene	77-47-4	X			<6.0	<3.80					1	ug/l	lbs	--	--	0
36B hexachloroethane	67-72-1	X			<3.0	<1.90					1	ug/l	lbs	--	--	0
37B indeno(1,2,3-cd)pyrene	193-39-5	X			<2.0	<1.27					1	ug/l	lbs	--	--	0
38B isophorone	78-59-1	X			<3.0	<1.90					1	ug/l	lbs	--	--	0
39B naphthalene	91-20-3	X			<3.0	<1.90					1	ug/l	lbs	--	--	0
40B nitrobenzene	98-95-3	X			<5.0	<3.17					1	ug/l	lbs	--	--	0
41B N-nitrosodimethylamine	62-75-9	X			<7.0	<4.43					1	ug/l	lbs	--	--	0
42B N-nitrosodi-n-propylamine	621-64-7	X			<4.0	<2.53					1	ug/l	lbs	--	--	0
43B N-nitrosodiphenylamine	86-30-6	X			<2.0	<1.27					1	ug/l	lbs	--	--	0
44B phenanthrene	85-01-8	X			<2.0	<1.27					1	ug/l	lbs	--	--	0
45B pyrene	129-00-0	X			<3.0	<1.90					1	ug/l	lbs	--	--	0
46B 1,2,4-trichlorobenzene	120-82-1	X			<5.0	<3.17					1	ug/l	lbs	--	--	0

TABLE 1
INTAKE AND EFFLUENT CHARACTERISTICS
LONG BEACH GENERATING STATION
NPDES PERMIT (CA0001171) RENEWAL APPLICATION (10/12/05)
EPA NPDES Application Form 2C - Section V, Part C

EPA ID No. CAR 000 037 705

V. Intake and Effluent Characteristics																	Outfall No. 001
Part C.																	
Pollutant	CAS No.	Mark X			Effluent							Units		Intake			
		Testing Required	Believed Present	Believed Absent	Maximum Daily Value		Maximum 30 Day Value		Long Term Avrg Value		No. of Analyses			Long Term Avrg Value		No. of Analyses
					Conc	Mass	Conc	Mass	Conc	Mass		Conc	Mass	Conc	Mass	
GS/MS Fraction - Pesticide Compounds																
1P aldrin	309-00-2			X	<0.10	<0.06					1	ug/l	lbs	--	--	0
2P alpha-BHC	319-84-6			X	<0.10	<0.06					1	ug/l	lbs	--	--	0
3P beta-BHC	319-85-7			X	<0.10	<0.06					1	ug/l	lbs	--	--	0
4P gamma-BHC	58-89-9			X	<0.10	<0.06					1	ug/l	lbs	--	--	0
5P delta-BHC	319-86-8			X	<0.10	<0.06					1	ug/l	lbs	--	--	0
6P chlordane	57-74-9			X	<1.0	<0.63					1	ug/l	lbs	--	--	0
7P 4,4-DDT	50-29-3			X	<0.10	<0.06					1	ug/l	lbs	--	--	0
8P 4,4-DDE	72-55-9			X	<0.10	<0.06					1	ug/l	lbs	--	--	0
9P 4,4-DDD	72-54-8			X	<0.10	<0.06					1	ug/l	lbs	--	--	0
10P dieldrin	60-57-1			X	<0.10	<0.06					1	ug/l	lbs	--	--	0
11P alpha-endosulfan	115-29-7			X	<0.10	<0.06					1	ug/l	lbs	--	--	0
12P beta-endosulfan	115-29-7			X	<0.10	<0.06					1	ug/l	lbs	--	--	0
13P endosulfan sulfate	1031-07-8			X	<0.10	<0.06					1	ug/l	lbs	--	--	0
14P endrin	72-20-8			X	<0.10	<0.06					1	ug/l	lbs	--	--	0
15P endrin aldehyde	7421-93-4			X	<0.10	<0.06					1	ug/l	lbs	--	--	0
16P heptachlor	76-44-8			X	<0.10	<0.06					1	ug/l	lbs	--	--	0
17P heptachlor epoxide	1024-57-3			X	<0.10	<0.06					1	ug/l	lbs	--	--	0
18P PCB-1242	53469-21-9			X	<1.0	<0.63					1	ug/l	lbs	--	--	0
19P PCB-1254	11097-69-1			X	<1.0	<0.63					1	ug/l	lbs	--	--	0
20P PCB-1221	11104-28-2			X	<1.0	<0.63					1	ug/l	lbs	--	--	0
21P PCB-1232	11141-16-5			X	<1.0	<0.63					1	ug/l	lbs	--	--	0
22P PCB-1248	12672-29-6			X	<1.0	<0.63					1	ug/l	lbs	--	--	0
23P PCB-1260	11096-82-5			X	<1.0	<0.63					1	ug/l	lbs	--	--	0
24P PCB-1016	12674-11-2			X	<1.0	<0.63					1	ug/l	lbs	--	--	0
25P toxaphene	8001-35-2			X	<2.0	<1.27					1	ug/l	lbs	--	--	0

N/A* - This pollutant has been deleted from Table II in 40 CFR 122.21, therefore testing is not required.

1) "<" indicates that the pollutant concentration was not detected. For these pollutants, the detection limit is reported in the concentration column. For the purpose of calculating mass emissions for this table, the detection limit was utilized as the concentration where the pollutant was not detected. Such substitution should not be used for the purpose of determining compliance with effluent limits.

2) Mass emissions were calculated using the flow during the actual sampling period:
   * grab and composite samples - 75.6 MGD

3) This chemical is being tested for per Table B of the 2001 California Ocean Plan.

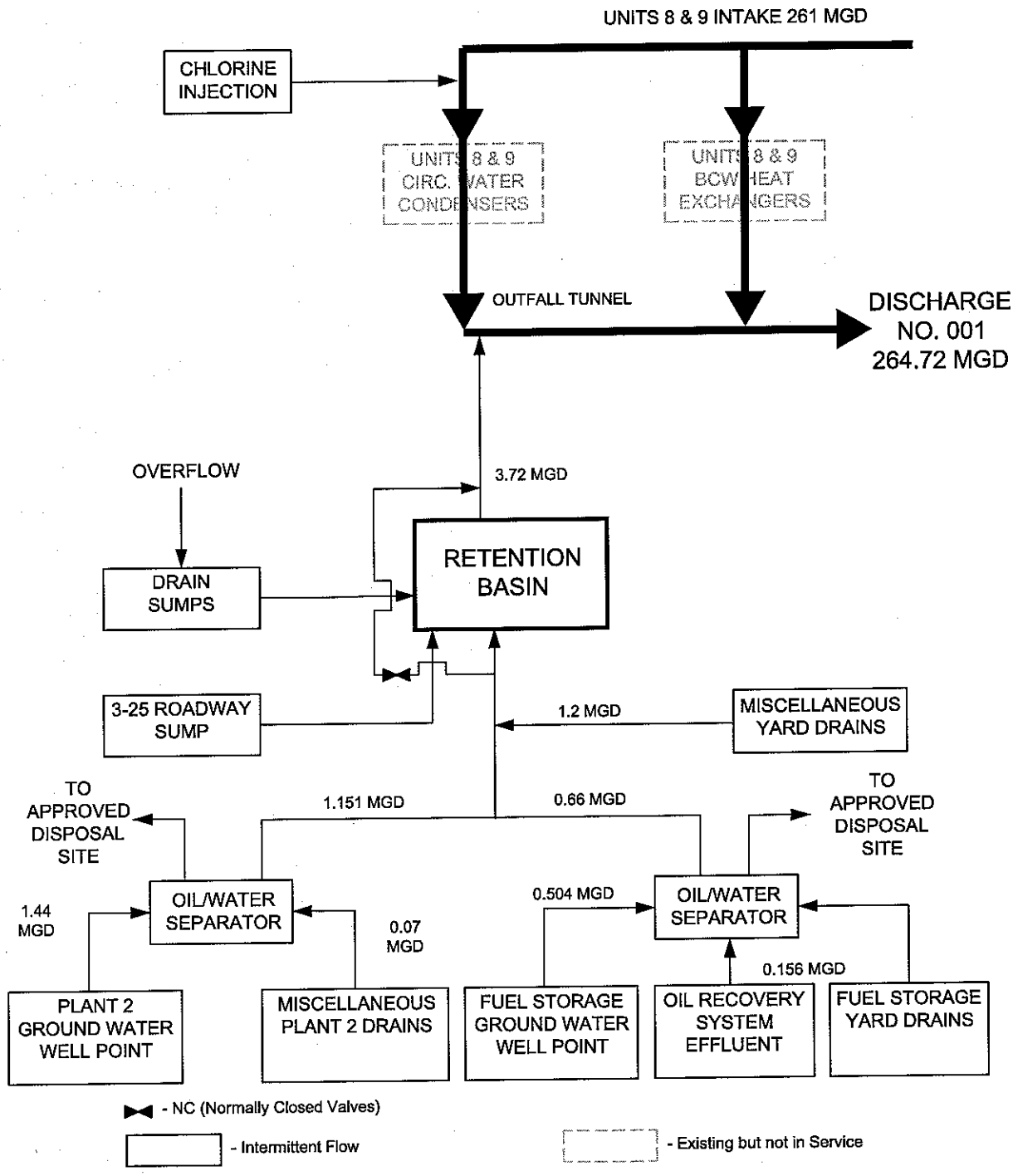

FIGURE-4
SCHEMATIC DIAGRAM OF WATER FLOW
EXISTING OPERATION