

**CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD CENTRAL COAST REGION,
MONITORING AND REPORTING PROGRAM NO. RB3-2003-0009
FOR
DIABLO CANYON POWER PLANT UNITS 1 AND 2 SAN LUIS OBISPO COUNTY**

Influent Monitoring

A sampling station shall be established at a point upstream of any treatment process where representative samples of the influent can be obtained. The following shall constitute the influent monitoring program:

<u>Parameter</u>	<u>Units</u>	<u>Type of Sample</u>	<u>Minimum Frequency of Analysis</u>
Temperature	°F	Metered	Continuously ¹
pH	-	Grab	Monthly
Antimony	ug/l	Grab	Permit cycle
Arsenic	ug/l	Grab	Annually (Oct)
Cadmium	ug/l	Grab	Annually (Oct)
Total Chromium	ug/l	Grab	Quarterly (Jan, Apr, Jul, Oct)
Copper	ug/l	Grab	Quarterly (Jan, Apr, Jul, Oct)
Cyanide	ug/l	Grab	Annually (Oct)
Lead	ug/l	Grab	Annually (Oct)
Mercury	ug/l	Grab	Annually (Oct)
Nickel	ug/l	Grab	Quarterly (Jan, Apr, Jul, Oct)
Silver	ug/l	Grab	Annually (Oct)
Selenium	ug/l	Grab	Permit cycle
Titanium	ug/l	Grab	Annually (Oct)
Zinc	ug/l	Grab	Annually (Oct)
Non Chlorinated			
Phenolics	ug/l	Grab	Annually (Oct)
Chlorinated			
Phenolics	ug/l	Grab	Annually (Oct)
Ammonia (as N)	ug/l	Grab	Quarterly (Jan, Apr, Jul, Oct)

¹In the event continuous temperature measurement systems are temporarily inoperative, an alternate means of measurement or calculating providing equivalent information may be used during this period.

**Effluent Monitoring
For All Ocean Discharges**

Constituent	Units	Type of Sample	Frequency
Arsenic	ug/l	Grab	Annually
Cadmium	ug/l	Grab	Annually
Total Chromium	ug/l	Grab	Monthly
Copper	ug/l	Grab	Monthly
Lead	ug/l	Grab	Annually
Mercury	ug/l	Grab	Annually
Nickel	ug/l	Grab	Monthly
Selenium	ug/l	Grab	Permit cycle
Silver	ug/l	Grab	Annually
Titanium	ug/l	Grab	Annually
Zinc	ug/l	Grab	Monthly
Cyanide	ug/l	Grab	Annually
Total Chlorine Residual (For intermittent chlorine sources, see Ocean Plan)	ug/l	Grab	At least twice during each chlorinating cycle
Ammonia (as N)	ug/l	Grab	Quarterly
Chronic Toxicity	TUc	Grab	Quarterly
Phenolic Compounds (non-chlorinated)	ug/l	Grab	Annually
Chlorinated Phenolics	ug/l	Grab	Annually
Endosulfan	ug/l	Grab	Permit cycle
Endrin	ug/l	Grab	Permit cycle
HCH*	ug/l	Grab	Permit cycle
Acrolein	mg/l	Grab	Permit cycle
Antimony	mg/l	Grab	Permit cycle
Bis(2-chloroethoxy) methane	mg/l	Grab	Permit cycle
Bis(2-chloroisopropyl) ether	mg/l	Grab	Permit cycle
Chlorobenzene	mg/l	Grab	Permit cycle
di-n-butyl phthalate	mg/l	Grab	Permit cycle
Dichlorobenzenes*	mg/l	Grab	Permit cycle
Diethyl phthalate	mg/l	Grab	Permit cycle
Dimethyl phthalate	g/l	Grab	Permit cycle
4,6-dinitro-2-methylphenol	mg/l	Grab	Permit cycle
2,4-dinitrophenol	mg/l	Grab	Permit cycle
Ethylbenzene	mg/l	Grab	Permit cycle
Fluoranthene	mg/l	Grab	Permit cycle
Hexachlorocyclopentadiene	mg/l	Grab	Permit cycle

Nitrobenzene	mg/l	Grab	Permit cycle
Thallium	mg/l	Grab	Permit cycle
Toluene	g/l	Grab	Permit cycle
Tributyltin	ug/l	Grab	Permit cycle
1,1,1-trichloroethane	g/l	Grab	Permit cycle
Acrylonitrile	ug/l	Grab	Permit cycle
Aldrin	ng/l	Grab	Permit cycle
Benzene	ug/l	Grab	Permit cycle
Benzidine	ug/l	Grab	Permit cycle
Beryllium	ug/l	Grab	Permit Cycle
Bis(2-chloroethyl) ether	ug/l	Grab	Permit cycle
Bis(2-ethylhexyl) phthalate	ug/l	Grab	Permit cycle
Carbon tetrachloride	ug/l	Grab	Permit cycle
Chlordane*	ng/l	Grab	Permit cycle
Chlorodibromomethane	ug/l	Grab	Permit cycle
Chloroform	ug/l	Grab	Permit cycle
DDT*	ng/l	Grab	Permit cycle
1,4-dichlorobenzene	ug/l	Grab	Permit cycle
3,3'-dichlorobenzidine	ug/l	Grab	Permit cycle
1,2-dichloroethane	mg/l	Grab	Permit cycle
1,1-dichloroethylene	mg/l	Grab	Permit cycle
Dichlorobromomethane	mg/l	Grab	Permit cycle
Dichloromethane	mg/l	Grab	Permit cycle
1,3-dichloropropene	mg/l	Grab	Permit cycle
Dieldrin	ng/l	Grab	Permit cycle
2,4-dinitrotoluene	ug/l	Grab	Permit cycle
1,2-diphenylhydrazine	ug/l	Grab	Permit cycle
Halomethanes*	mg/l	Grab	Permit cycle
Heptachlor*	ug/l	Grab	Permit cycle
Heptachlor epoxide	ug/l	Grab	Permit cycle
Hexachlorobenzene	ng/l	Grab	Permit cycle
Hexachlorobutadiene	ug/l	Grab	Permit cycle
Hexachloroethane	ug/l	Grab	Permit cycle
Isophorone	g/l	Grab	Permit cycle
N-nitrosodimethylamine	ug/l	Grab	Permit cycle
N-nitrosodi-N-propylamine	ug/l	Grab	Permit cycle
N-nitrosodiphenylamine	ug/l	Grab	Permit cycle
PAHs*	ug/l	Grab	Permit Cycle
PCBs*	ng/l	Grab	Annually
TCDD equivalents*	pg/l	Grab	Permit cycle
1,1,2,2-tetrachloroethane	Mg/l	Grab	Permit cycle
Tetrachloroethylene	Mg/l	Grab	Permit cycle
Toxaphene	Ng/l	Grab	Permit cycle

Trichloroethylene	Ug/l	Grab	Permit cycle
1,1,2-trichloroethane	Mg/l	Grab	Permit Cycle
2,4,6-trichlorophenol	Mg/l	Grab	Permit cycle
Vinyl chloride	Ug/l	Grab	Permit cycle

*See Ocean Plan Appendix I for definitions.

Permit cycle is once during life of permit or during permit renewal process.

**The following Effluent Sampling Applies to In-Plant Waste Streams
or to Ocean Discharges as Indicated**

A sampling station shall be established for each waste discharge and shall be located where representative samples of the discharge can be obtained. The following shall constitute the effluent monitoring program:

Parameter	Units	Discharge	Type of Sample	Minimum Frequency of Analysis
Temperature	⁰ F	001	Metered	Continuously ¹
Flow	MGD	001	Recorded	Daily pump operating Data
pH	-	001P, 002, 003, 004	Grab	Monthly
pH	-	001	Grab	Daily when discharging chemical cleaning wastes from 001D, 001F, 001I, 001L, and/or 001M Otherwise monthly grab sample.
Grease & Oil	mg/l	001F	Grab	Monthly
Grease & Oil	mg/l	001N	Grab	Weekly during one discharge cycle
Grease & Oil	mg/l	001D, 001G, 001H, 001I, 001J, 001K, 001M, 001P, 002, 003, 004	Grab	Quarterly (Jan, Apr, Jul, Oct) or for 001P, Weekly when 001N discharges to 001P
Suspended Solids	mg/l	001D, 001F, 001G, 001H, 001I, 001J, 001K, 001L, 001M, 001P, 002	Grab	Monthly or for 001P, weekly when 001N discharges to 001P
Suspended Solids	mg/l	001N	Grab	Weekly during one discharge Cycle
Settleable Solids	mg/l	001N	Grab	Weekly
Copper	mg/l	001D, 001F, 001I, 001L, & 001M	Grab	Daily when metal cleaning wastes are discharged
Iron	mg/l	001D, 001F, 001I, 001L, 001M	Grab	Daily when metal cleaning wastes are discharged
Lithium, Boron, Hydrazine	mg/l	001D	Grab	Annually

Cadmium, chromium, copper, lead, mercury, nickel, silver, zinc	mg/l	001D,001H, & 001L	Grab	Quarterly
Cadmium, chromium, copper, lead, mercury, nickel, silver, zinc	mg/l	001F	Grab	Quarterly

¹In the event continuous temperature measurement systems are temporarily inoperative, an alternate means of measurement or calculating providing equivalent information may be used during this period.

Intake and discharge samples, when required, shall be coordinated so as to sample the same water mass (intake sampling time plus plant and conduit detention time yields discharge sampling time).

For each new chemical added to the discharge that could potentially cause toxicity, Discharger shall conduct toxicity testing to determine the effluent concentration for that chemical or chemical product necessary to assure compliance with toxicity effluent limits in this Order. Approved toxicity testing methodologies are described in the Ocean Plan. The results of these toxicity tests shall be submitted to the Executive Officer prior to discharge of added chemicals or chemical products.

The Discharger shall make every reasonable effort to schedule quarterly toxicity monitoring to coincide with the highest potential for toxicity in the effluent (considering plant operations and addition of toxic chemicals). Monitoring reports shall include a discussion of the efforts made to comply with this requirement. Chronic toxicity tests shall be conducted pursuant to Appendix III-1 of the Ocean Plan.

Receiving Water Monitoring

1. Discharger shall contribute funds to the Central Coast Ambient Monitoring Program as defined in Order RB3-2003-0009 and the consent judgement attached to the Order.
2. The Discharger shall continue Mussel Watch monitoring as directed by the Executive Officer.

Reporting

The Discharger shall comply with the following:

1. All reports submitted to the Regional Board shall be in hard copy format, and digital format using Microsoft Word and Microsoft Excel. The Executive Officer may direct the Discharger to submit reports in digital format only at his discretion.
2. Influent and effluent monitoring shall be submitted Quarterly by the 20th day of the month following the end of each quarter.
3. A copy of information contained in reports to the Nuclear Regulatory Commission and/or the California Department of Health Services related to effects the plant may have on the marine environment shall be submitted to the Executive Officer. Results of radiological monitoring of the receiving water shall be reported at the same time reports are made to the Nuclear Regulatory Commission.

4. Pump station failures resulting in discharges of sewage effluent from 001N to surface waters shall be reported to Regional Board staff within 24 hours. Written confirmation of this discharge or rerouting to the existing leachfield shall be included in the next regular monitoring report.
5. By February 28 of each year, the discharger shall submit an annual report to the Regional Board. The report shall contain both tabular and graphical summaries of the monitoring data obtained during the previous year. The discharger shall discuss the compliance record and corrective actions taken, or which may be needed, to bring the discharge into full compliance. The report shall inform the Board of the date of the Facility's Operation and Maintenance Manual (including contingency plans as described in Provision A.2 1.), of the date the manual was last reviewed, and whether the manual is complete and valid for the current facility. The report shall restate, for the record, the laboratories used by the discharger to monitor compliance with effluent limits and provide a summary of performance relative to section B, General Monitoring Requirements.

ORDERED BY _____
Roger W. Briggs, Executive Officer

July 10, 2003

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