

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
LOS ANGELES REGION

MONITORING AND REPORTING PROGRAM No. CI-6767
for
WHEELABRATOR NORWALK ENERGY COMPANY, INC.
(Metropolitan State Hospital Cogeneration Plant)
(CA0059927)

I. REPORTING REQUIREMENTS

- A. The discharger shall implement this monitoring program on the effective date of this Order. The first monitoring report under this program shall be received by April 15, 2000.

Monitoring reports shall be submitted by the dates in the following schedule:

<u>Reporting Period</u>	<u>Report Due</u>
January - March	April 15
April - June	July 15
July - September	October 15
October - December	January 15
Annual	March 1

- B. If no discharge occurs during any monitoring period, the report shall so state.
- C. The monitoring reports shall specify the type of water discharged to Discharge Serial No. 001. If the discharger starts to use reclaimed water at any given time, the monitoring frequency of analysis shall be conducted according to Section III.B.
- D. Laboratory analyses - all chemical, bacteriological, and toxicity analyses shall be conducted at a laboratory certified for such analyses by the State Department of Health Services Environmental Laboratory Accreditation Program (ELAP). A copy of laboratory certification shall be provided each time a new and/or renewal is obtained from ELAP.
- E. For every item where the requirements are not met, Wheelabrator shall submit a statement of the cause(s) and actions undertaken or proposed which will bring the discharge into full compliance with waste discharge requirements at the earliest possible time, and submit a timetable for implementation of these actions.
- F. By March 1 of each year, Wheelabrator 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 calendar year. In addition, Wheelabrator shall discuss the compliance record and the corrective actions taken or planned which may be needed to bring the discharge into full compliance with waste discharge requirements.

II. MONITORING REQUIREMENTS

- A. Sampling station(s) shall be established at the discharge point and shall be located where representative samples of the effluent can be obtained. Provisions shall be made to enable visual inspections before discharge. In the event of presence of oil sheen, debris, and/or other objectionable materials or odors, discharge shall not be commenced before compliance with the requirements is ascertained. Any visual observation shall be included in the monitoring report.
- B. Quarterly monitoring shall be performed during the months February, May, August and November. Annual monitoring shall be performed during the month of January.
- C. If any result of any analysis exceeds the effluent limitations, the frequency of analysis shall be increased to weekly within one week of knowledge of the test result. Weekly testing shall continue for at least 4 consecutive weeks until full compliance with the discharge limitations has been demonstrated, after which the frequency shall revert to as previously designated.
- D. All analyses shall include the chain of custody (including but not limited to date and time of sampling, date of analyses, name of person who performed the analyses), QA/QC, method of analysis and detection limits, copy of laboratory certification, and a perjury statement executed by the person responsible for the laboratory.
- E. The detection limits employed for effluent analyses shall be lower than the permit limits established for a given parameter, unless the discharger can demonstrate that a particular detection limit is not attainable and obtains approval for a higher detection limit from the Executive Officer. At least once a year, the discharger shall submit a list of the analytical methods employed for each test and associated laboratory quality assurance/quality control procedures.

III. EFFLUENT MONITORING

- A. The following shall constitute the effluent monitoring program for Discharge Serial No. 001 using city-supplied water:

<u>Constituents</u>	<u>Units</u>	<u>Type of Sample</u>	<u>Minimum^[1] Frequency of Analysis</u>
pH	pH units	grab	daily
Total waste flow	gal/day	-----	daily
Temperature	°F	grab	daily
Residual chlorine ^[2]	mg/L	grab	monthly
Suspended solids	mg/L	grab	monthly
Settleable solids	ml/L	grab	monthly
Oil and grease	mg/L	grab	monthly
BOD ₅ 20°C	mg/L	grab	monthly
Turbidity	NTU	grab	monthly
Sulfides	mg/L	grab	monthly
Surfactants (MBAS)	mg/L	grab	monthly
Acute Toxicity ^[3]	%Survival	grab	annually
Other priority pollutants (See attached list)	µg/L	grab	annually

B. The following shall constitute the effluent monitoring program for Discharge Serial No. 001 using reclaimed water:

<u>Constituents</u>	<u>Units</u>	<u>Type of Sample</u>	<u>Minimum^[1] Frequency of Analysis</u>
pH	pH units	grab	daily
Total waste flow	gal/day	-----	daily
Temperature	°F	grab	daily
Residual chlorine ^[2]	mg/L	grab	monthly
Suspended solids	mg/L	grab	monthly
Settleable solids	ml/L	grab	monthly
Oil and grease	mg/L	grab	monthly
BOD ₅ 20°C	mg/L	grab	monthly
Turbidity	NTU	grab	monthly
Sulfides	mg/L	grab	monthly
Surfactants (MBAS)	mg/L	grab	monthly
Arsenic	µg/L	grab	monthly
Cadmium	µg/L	grab	monthly
Chromium	µg/L	grab	monthly
Copper	µg/L	grab	monthly
Lead	µg/L	grab	monthly

<u>Constituents</u>	<u>Units</u>	<u>Type of Sample</u>	<u>Minimum^[1] Frequency of Analysis</u>
Mercury	µg/L	grab	monthly
Selenium	µg/L	grab	monthly
Silver	µg/L	grab	monthly
Zinc	µg/L	grab	monthly
Phenol	µg/L	grab	quarterly
Phenolic compounds	µg/L	grab	quarterly
Benzene	µg/L	grab	quarterly
Toluene	µg/L	grab	quarterly
Xylene	µg/L	grab	quarterly
Ethylene dibromide	µg/L	grab	quarterly
Ethylbenzene	µg/L	grab	quarterly
Carbon tetrachloride	µg/L	grab	quarterly
Tetrachloroethylene	µg/L	grab	quarterly
Trichloroethylene	µg/L	grab	quarterly
1,1-dichloroethylene	µg/L	grab	quarterly
1,1-dichloroethane	µg/L	grab	quarterly
1,2-dichloroethane	µg/L	grab	quarterly
Lindane	µg/L	grab	quarterly
Methylene chloride	µg/L	grab	quarterly
Chloroform	µg/L	grab	quarterly
Bromodichloromethane	µg/L	grab	quarterly
1,4-dichlorobenzene	µg/L	grab	quarterly
Methyl Tertiary Butyl Ether	µg/L	grab	quarterly
Vinyl chloride	µg/L	grab	quarterly
Acute Toxicity ^[3]	%Survival	grab	annually
Other priority pollutants (See attached list)	µg/L	grab	annually

^[1] During the wet weather, stormwater runoff shall also be monitored at the same frequency.

^[2] If no chlorine is added, the report shall so state.

^[3] By the method specified in "Methods for Measuring the Acute Toxicity of Effluents to Freshwater and Marine Organisms" - September 1991, (EPA/600/4-90/027). Submission of bioassay results should include the information noted on pages 70-73 of the "Methods". The fathead minnow (*Pimephales promelas*) shall be used as the test species.

If the results of the toxicity test yields a survival of less than 90%, then the frequency of analyses shall increase to monthly until at least three test results have been obtained and full compliance with Effluent Limitations has been demonstrated, after which the frequency of analyses shall revert to annually. Results of toxicity tests shall be included in the first monitoring report following sampling.

IV. INPLANT WASTES STREAMS MONITORING

<u>Constituents</u>	<u>Units</u>	<u>Type of Sample</u>	<u>Minimum Frequency of Analysis</u>
Waste flow	gal/day	----	daily
Total suspended solids	mg/L	grab	monthly
Oil & grease	mg/L	grab	monthly
Total residual oxidant	mg/L	grab	monthly
Total chromium	mg/L	grab	monthly
Total zinc	mg/L	grab	monthly

V. STORM WATER POLLUTION PREVENTION PLAN

The monitoring program shall also document the elimination or reduction of specific pollutants, resulting from implementation of Best Management Practices (BMPs).

Ordered by:

Dennis A. Dickerson
Executive Officer

Date: January 26, 2000