

**CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
LOS ANGELES REGION**

475th Regular Board Meeting
Thursday, July 1, 2004 – 9:00 a.m.

ITEM NO. 8.1

ORDER NO. R4-2004-XXXX
NPDES No. CA0001309
WASTE DISCHARGE REQUIREMENTS
FOR
BOEING COMPANY
SANTA SUSANA FIELD LABORATORY

CHANGE SHEET

(Additions are underlined, deletions are lined over)

Agenda page 8.1-19 (Fact Sheet Page 2)

A. Public Hearing

The proposed WDRs will be considered by the Regional Board at a public hearing. The hearing is scheduled as follows:

Date: ~~May 6~~ July 1, 2004
Time: 9:00 A.M.
Location: City of Simi Valley Council Chambers,
2929 Tapo Canyon Road
Simi Valley, California

Agenda page 8.1-22 (Fact Sheet Page 5)

Sewage Treatment Plants: Two package-type activated sludge sewage treatment plants (STP1 and STP3) provide secondary and tertiary treatment for ~~most of the domestic sewage and groundwater treatment system effluent from the facilities.~~ Disinfected sewage effluents from the activated sludge facilities are directed to the reclaimed water system reservoirs. Water from the reservoirs is reused for industrial purposes. A third activated sludge sewage treatment plant (STP2) is available, but is currently used only as a pump station to STP-3 and as temporary storage of excess sewage.

Agenda page 8.1-161 (Revised-Tentative Order Page 38)

6. The discharge shall not cause a violation of any applicable water quality standard for receiving waters ~~adopted by the Regional Board or State Board.~~ If more stringent

applicable water quality standards are promulgated or approved pursuant to Section 303 of the Clean Water Act, or amendments, thereto, the Regional Board will revise and modify this Order in accordance with such standards.

Agenda page 8.1-166 (Revised-Tentative Order Page 43)

I, ~~Dennis A. Dickerson~~ Jonathan Bishop, Interim Executive Officer, do hereby certify that the foregoing is a full, true and correct copy of an Order adopted by the California Regional Water Quality Control Board, Los Angeles Region on ~~May 6~~ July 1, 2004.

Dennis A. Dickerson Jonathan Bishop
Interim Executive Officer

Agenda page 8.1-206 (MRP Page T-6)

IV. Effluent Monitoring Program

A. The following shall constitute the effluent monitoring program for the final effluent at Discharge Nos. 001, 002, 011 and 018.

Constituent	Units	Type of Sample	Minimum Frequency of Analysis ¹
Total waste flow	gal/day	----	once per discharge event
Temperature	°F	grab	once per discharge event
pH	pH Units	grab	once per discharge event
Conductivity at 25°C	µmhos/cm	grab	once per discharge event
Total suspended solids	mg/L	grab	once per discharge event
Settleable solids	ml/L	grab	once per discharge event
BOD ₅ (20°C)	mg/L	grab	once per discharge event
Oil and grease	mg/L	grab	once per discharge event
Ammonia-N	mg/L	grab	once per discharge event
Turbidity	NTU	grab	once per discharge event
Total residual chlorine	mg/L	grab	annually
Total organic carbon	mg/L	grab	annually
Total dissolved solids	mg/L	grab	once per discharge event
Chloride	mg/L	grab	once per discharge event
Sulfate	mg/L	grab	once per discharge event
Detergents (as MBAS)	mg/L	grab	once per discharge event
Nitrate + Nitrate-N	mg/L	grab	once per discharge event
Cyanide ²	µg/L	grab	once per discharge event
Copper ²	µg/L	grab	once per discharge event

¹ During wet weather flow, a discharge event is greater than 0.1 inch of rainfall in a 24-hour period. No more than one sample per week need be obtained during extended periods of rainfall. Sampling shall be during the first hour of discharge or at the first safe opportunity. The reason for delay shall be included in the report. During dry weather flow, whenever Outfalls 001, 002, 011 or 018 is discharging, minimum sampling frequency during operations generating discharges shall be once per month. If the rain event is not sufficient to produce flow from the area, the observation must be documented with date, time condition and rainfall amount.

Constituent	Units	Type of Sample	Minimum Frequency of Analysis ¹
Lead ²	µg/L	grab	once per discharge event
Mercury ²	µg/L	grab	once per discharge event
1,1-Dichloroethylene	µg/L	grab	once per discharge event
Perchlorate	µg/L	grab	once per discharge event
2,4,6-Trichlorophenol	µg/L	grab	once per discharge event
2,4-Dinitrotoluene	µg/L	grab	once per discharge event
Alpha-BHC	µg/L	grab	once per discharge event
Bis(2-ethylhexyl)phthalate	µg/L	grab	once per discharge event
N-Nitrosodimethylamine	µg/L	grab	once per discharge event
Pentachlorophenol	µg/L	grab	once per discharge event
TCDD [*]	µg/L	grab	once per discharge event
<u>Volatile organic compounds</u>	<u>µg/L</u>	<u>grab</u>	<u>once per discharge event^{**}</u>
Boron	mg/L	grab	annually ⁶
Fluoride	mg/L	grab	annually ⁶
Barium	mg/L	grab	annually ⁶
Iron	mg/L	grab	annually ⁶
Manganese ²	µg/L	grab	annually ⁶
Antimony ²	µg/L	grab	annually ⁶
Arsenic ²	µg/L	grab	annually ⁶
Beryllium ²	µg/L	grab	annually ⁶
Cadmium ²	µg/L	grab	annually ⁶
Chromium (VI) ^{2,3}	µg/L	grab	annually ⁶
Nickel ²	µg/L	grab	annually ⁶
Selenium ²	µg/L	grab	annually ⁶
Silver ²	µg/L	grab	annually ⁶
Thallium ²	µg/L	grab	annually ⁶
Zinc ²	µg/L	grab	annually ⁶
Cobalt	µg/L	grab	annually
Vanadium	µg/L	grab	annually

^{*} Analysis must be completed for TCDD and all congeners. After four consecutive samples are reported as nondetect the sampling frequency may be decreased to quarterly. If detected subsequently, the frequency reverts back to once per discharge event.

**** Analysis must include benzene, carbon tetrachloride, chloroform, 1,1-dichloroethane, 1,2-dichloroethane, ethylbenzene, tetrachloroethylene, toluene, xylenes, 1,1,1-trichloroethane, 1,1,2-trichloroethane, trichloroethylene, trichlorofluoromethane, and vinyl chloride. Analyses shall be performed once per discharge for two years, if all results are nondetect the frequency of monitoring is decreased to quarterly.**

² Total recoverable results are required.

³ The Discharger has the option to meet the hexavalent chromium limitations with a total chromium analysis. However, if the total chromium level exceeds the hexavalent chromium limitation, it will be considered a violation unless an analysis has been made for hexavalent chromium in replicate sample and the result is reported within the hexavalent chromium limits.

Constituent	Units	Type of Sample	Minimum Frequency of Analysis ¹
Radioactivity- Gross Alpha Gross Beta ⁴	pCi/L pCi/L	grab grab	annually ⁶ annually ⁶
Combined Radium 226 & Radium 228 ⁵	pCi/L	grab	annually ⁶
Tritium ⁴	pCi/L	grab	annually ⁶
Strontium-90 ⁴	pCi/L	grab	annually ⁶
PCBs	µg/L	grab	annually
TPH ¹⁰	µg/L	grab	annually
Monomethylhydrazine	µg/L	grab	annually
cis-1,2-Dichloroethene	µg/L	grab	annually
1,4-Dioxane	µg/L	grab	annually
1,1,2-Trichloro-1,2,2-Trifluoroethane	µg/L	grab	quarterly
1,2-Dichloro-1,1,2-trifluoroethane	µg/L	grab	annually
Cyclohexane	µg/L	grab	annually
Remaining USEPA priority pollutants excluding asbestos ¹¹	µg/L	grab	annually ⁶
Acute toxicity	.. survival	grab	annually
Chronic toxicity	TU _c	grab	annually

Agenda page 8.1-217 (MRP Page T-17)

Ordered by: _____
Dennis A. Dickerson Jonathan Bishop
Interim Executive Officer

Date: May 6 July 1, 2004

⁴ Analyze these radiochemicals by the following USEPA testing methods: method 900.0 for gross alpha and gross beta, method 903.0 or 903.1 for radium-226, method 904.0 for radium-228, method 906.0 for tritium, and method 905.0 for strontium-90.

⁵ Analysis for combined Radium-226 & 228 shall be conducted only if gross alpha results for the same sample exceed 15 pCi/L or beta greater than 50 pCi/L. If the Radium-226 & 228 exceeds the stipulated criteria analyze for Tritium and Strontium-90. If the analyses of these constituents demonstrates exceedances the monitoring frequency is increased to once per discharge until four consecutive analysis demonstrates compliance with the effluent limitations.

⁶ If the detected concentration exceeds the criteria, the frequency of analysis must be increased to once per discharge. After four consecutive samplings demonstrating compliance the frequency reverts back to annually.