

STATE OF CALIFORNIA  
CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD  
LOS ANGELES REGION

MONITORING AND REPORTING PROGRAM NO. CI-8228  
LINDBURG HEAT TREATING COMPANY, HUNTINGTON PARK FACILITY  
(POTASSIUM PERMANGANATE INJECTION PILOT TEST)  
(FILE NO. 00-114)

I. Discharge Monitoring

The Discharger shall sample from groundwater monitoring wells for baseline groundwater parameters two weeks prior to the start of the pilot test. Monitoring of the Potassium Permanganate Pilot Test shall consist of samples collected from three injection intervals (IW-A, IW-B, IW-C) in one injection well, IW-1, and seven monitoring wells in the pilot study area (MW-1, LFMW-4, LFMW-6, LFMW-9, LFMW-10, LFMW-11, LFMW-12, and LFMW-13). Monitoring wells shall be monitored for one year in accordance with the following discharge monitoring program:

<u>CONSTITUENT</u>	<u>UNITS</u>	<u>TYPE OF SAMPLE</u>	<u>MINIMUM FREQUENCY OF ANALYSIS</u> <sup>[1]</sup>
Total daily injection waste flow	liters/day (to indicate solution concentration)	In situ	Daily during injection
Chlorinated Volatile Organic Compounds (EPA Method 8060 B)	µg/l	grab	<ul style="list-style-type: none"> <li>• Weekly first month</li> <li>• Every two weeks second month</li> <li>• Monthly thereafter</li> </ul>
Total Organic Carbon (EPA Method 415.1)	µg/l	grab	<ul style="list-style-type: none"> <li>• Weekly first month</li> <li>• Every two weeks second month</li> <li>• Monthly thereafter</li> </ul>
Total dissolved solids and Total suspended solids	mg/l	grab	<ul style="list-style-type: none"> <li>• Weekly first month</li> <li>• Every two weeks second month</li> <li>• Monthly thereafter</li> </ul>
Specific Conductivity	µmhos/cm	grab	<ul style="list-style-type: none"> <li>• Weekly first month</li> <li>• Every two weeks second month</li> <li>• Monthly thereafter</li> </ul>
Turbidity	NTU	grab	<ul style="list-style-type: none"> <li>• Weekly first month</li> <li>• Every two weeks second month</li> <li>• Monthly thereafter</li> </ul>
pH	pH units	grab	<ul style="list-style-type: none"> <li>• Weekly first month</li> </ul>

			<ul style="list-style-type: none"> <li>• Every two weeks second month</li> <li>• Monthly thereafter</li> </ul>
Oxidation-reduction potential	millivolts	grab	<ul style="list-style-type: none"> <li>• Weekly first month</li> <li>• Every two weeks second month</li> <li>• Monthly thereafter</li> </ul>
Temperature	<sup>0</sup> F/ <sup>0</sup> C	grab	<ul style="list-style-type: none"> <li>• Weekly first month</li> <li>• Every two weeks second month</li> <li>• Monthly thereafter</li> </ul>
Groundwater Elevation	Feet, mean sea level (msl) and below ground surface (bgs)	<i>In situ</i>	<ul style="list-style-type: none"> <li>• Weekly first month</li> <li>• Every two weeks second month</li> <li>• Monthly thereafter</li> </ul>
Dissolved Oxygen	µg/l	grab	<ul style="list-style-type: none"> <li>• Weekly first month</li> <li>• Every two weeks second month</li> <li>• Monthly thereafter</li> </ul>
Major Anions (bromide, chloride, sulfate, nitrate, nitrite, O-phosphate, and sulfide)	µg/l	grab	<ul style="list-style-type: none"> <li>• Weekly first month</li> <li>• Every two weeks second month</li> <li>• Monthly thereafter</li> </ul>
Major Cations (barium, calcium, magnesium, manganese, potassium and sodium)	µg/l	grab	<ul style="list-style-type: none"> <li>• Weekly first month</li> <li>• Every two weeks second month</li> <li>• Monthly thereafter</li> </ul>
Permanganate	µg/l	grab	<ul style="list-style-type: none"> <li>• Weekly first month</li> <li>• Every two weeks second month</li> <li>• Monthly thereafter</li> </ul>
Color (EPA Method 110.2)	Color unit	grab	<ul style="list-style-type: none"> <li>• Weekly first month</li> <li>• Every two weeks second month</li> <li>• Monthly thereafter</li> </ul>
Arsenic (EPA Method 200.7 or Method 6010B)	µg/l	grab	<ul style="list-style-type: none"> <li>• Weekly first month</li> <li>• Every two weeks second month</li> <li>• Monthly thereafter</li> </ul>
Cadmium (EPA Method 200.7 or Method 6010B)	µg/l	grab	<ul style="list-style-type: none"> <li>• Weekly first month</li> <li>• Every two weeks second month</li> <li>• Monthly thereafter</li> </ul>

Chromium (EPA Method 200.7 or Method 6010B)	µg/l	grab	<ul style="list-style-type: none"> <li>• Weekly first month</li> <li>• Every two weeks second month</li> <li>• Monthly thereafter</li> </ul>
Hexavalent chromium (EPA Method 218.6)	µg/l	grab	<ul style="list-style-type: none"> <li>• Weekly first month</li> <li>• Every two weeks second month</li> <li>• Monthly thereafter</li> </ul>
Copper (EPA Method 200.7 or Method 6010B)	µg/l	grab	<ul style="list-style-type: none"> <li>• Weekly first month</li> <li>• Every two weeks second month</li> <li>• Monthly thereafter</li> </ul>
Lead (EPA Method 200.9 or Method 6010B)	µg/l	grab	<ul style="list-style-type: none"> <li>• Weekly first month</li> <li>• Every two weeks second month</li> <li>• Monthly thereafter</li> </ul>
Mercury (EPA Method 245.2 or Method 6010B)	µg/l	grab	<ul style="list-style-type: none"> <li>• Weekly first month</li> <li>• Every two weeks second month</li> <li>• Monthly thereafter</li> </ul>
Selenium (EPA Method 200.8 or 200.9 or Method 6010B)	µg/l	grab	<ul style="list-style-type: none"> <li>• Weekly first month</li> <li>• Every two weeks second month</li> <li>• Monthly thereafter</li> </ul>

## II. Reporting and Laboratory Analyses

### A. REPORTING REQUIREMENTS

1. In accordance with Section 13267 of the California Water Code, the Discharger shall furnish, under penalty of perjury, technical monitoring report to the Regional Board during the pilot test and during the post-test monitoring period. Such reports shall be submitted in accordance with specifications prepared by the Executive Officer.
2. The monitoring reports shall be submitted monthly by the 15<sup>th</sup> of the following month, with the first report due February 15, 2000.
3. All monitoring reports shall include discharge limitations in the Order (see A. Discharge Prohibitions), tabulated analytical data, the chain of custody, laboratory report (including but not limited to date and time of sampling, date of analyses, method of analysis and detection limits). If there is no discharge, the report shall so state it.
4. Two months after the end of the field pilot test, the Discharger shall submit an interim summary report to the Regional Board to report findings during the field pilot test.

5. Fourteen (14) months after the end of the field pilot test, the Discharger shall submit a final summary report to the Regional Board to report the comprehensive findings observed during the pilot test and post-test monitoring period.

The report shall contain both tabular and graphical summaries of the monitoring data obtained prior to and proceeding the pilot test. In addition, Lindburg Heat Treating Company shall discuss the compliance record and the corrective actions taken or planned, which may be needed to bring the discharge into full compliance with site's waste discharge requirements, if any.

#### B. LABORATORY ANALYSIS REQUIREMENTS

1. 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) or approved by the Executive Officer.
2. Samples shall be analyzed within allowable holding time limits as specified in 40 CFR Part 136.3. All quality assurance/quality control (QA/QC) items should be run on the same dates when samples were actually analyzed and documentation shall accompany the laboratory reports.
3. The detection limits employed for sample 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.

#### III. Notification

1. The Discharger shall inform this Regional Board 24 hours before the start of the discharge.
2. The Discharger shall inform this Regional Board within 24 hours in the event that any discharge exceeds the discharge limit. Written confirmation shall follow within one week and shall include date and time, estimated volume and/or concentration, duration, cause, and all corrective actions taken.
3. The Discharger shall inform this Regional Board of the termination of the remediation project.

Ordered by: \_\_\_\_\_  
Dennis A. Dickerson  
Executive Officer

Date: January 11, 2001