

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

**MONITORING AND REPORTING PROGRAM NO. CI-9223  
FOR  
LYNWOOD TOWN CENTER  
11215 LONG BEACH BOULEVARD  
LYNWOOD, CALIFORNIA**

**ENROLLMENT UNDER REGIONAL BOARD  
ORDER NO. R4-2005-0030 (Series No. 069)**

I. Monitoring and Reporting Requirements

EMIF IV LP, (hereinafter Discharger) shall implement this monitoring program on the effective date of this enrollment (January 30, 2007) under Regional Board Order No. R4-2005-0030. Monthly monitoring reports shall be submitted within 2 weeks following the monitoring month's end, for the first three months following injection. Following three months of monthly reporting, quarterly reporting will begin. Quarterly reports will be due the 15<sup>th</sup> of the month following the end of the quarter.

- A. If there is no discharge or injection, during any reporting period, the report shall so state. Monitoring reports must be addressed to the Regional Board, attention: Information Technology Unit.
- B. By March 1 of each year, the Discharger shall submit an annual summary 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, the Discharger shall discuss the compliance record and the corrective actions taken or planned, which may be needed to bring the discharge into full compliance with the waste discharge requirements.
- C. The Discharger shall comply with requirements contained in Section G. of Order No. R4-2005-0030 "*Monitoring and Reporting Requirements*" in addition to the aforementioned requirements.

II. Discharge Monitoring

The following groundwater wells will be included in the sampling program:

<u>Injection Points:</u>	Injection points will be abandoned (per CA Well Standards) after injections are complete.
<u>Monitoring Wells:</u>	
In Plume:	MW-7, MW-10, MW-14, DMW-6, and MW-18
Cross-gradient:	MW-5, MW-6, MW-8 and MW-16
Upper-gradient:	MW-3, MW-5, MW-9, and MW-11
Down-gradient:	MW-15, MW-17, and MW-20
Other Well:	City of Lynwood Municipal Well No. 6

Figure 2 shows the layout and location of the groundwater wells on the Site.

Baseline sampling, including City of Lynwood Municipal Well No. 6, shall take place within one month prior to injection for the same parameters listed in the following table. Sampling and analytical requirements are:

<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	In situ	Daily during injection
Chlorinated Volatile Organic Compounds (EPA Method 8260B)	µg/l	grab	<ul style="list-style-type: none"> <li>• Bi-weekly for the first month following injection</li> <li>• Monthly for the next 3 months</li> <li>• Quarterly thereafter</li> </ul>
Total Organic Carbon (EPA Method 9060 Modified)	µg/l	grab	<ul style="list-style-type: none"> <li>• Bi-weekly for the first month following injection</li> <li>• Monthly for the next 3 months</li> <li>• Quarterly thereafter</li> </ul>
Total dissolved solids and Total suspended solids	mg/l	grab	<ul style="list-style-type: none"> <li>• Bi-weekly for the first month following injection</li> <li>• Monthly for the next 3 months</li> <li>• Quarterly thereafter</li> </ul>
Specific Conductivity	µmhos/cm	grab	<ul style="list-style-type: none"> <li>• Bi-weekly for the first month following injection</li> <li>• Monthly for the next 3 months</li> <li>• Quarterly thereafter</li> </ul>
Turbidity	NTU	grab	<ul style="list-style-type: none"> <li>• Bi-weekly for the first month following injection</li> <li>• Monthly for the next 3 months</li> <li>• Quarterly thereafter</li> </ul>
pH	pH units	grab	<ul style="list-style-type: none"> <li>• Bi-weekly for the first month following injection</li> <li>• Monthly for the next 3 months</li> <li>• Quarterly thereafter</li> </ul>
Oxidation-reduction potential	millivolts	grab	<ul style="list-style-type: none"> <li>• Bi-weekly for the first month following injection</li> <li>• Monthly for the next 3 months</li> <li>• Quarterly thereafter</li> </ul>
Temperature	°F/°C	grab	<ul style="list-style-type: none"> <li>• Bi-weekly for the first month following injection</li> <li>• Monthly for the next 3 months</li> <li>• Quarterly thereafter</li> </ul>
Groundwater Elevation	Feet, above mean sea level (msl) and below ground surface (bgs)	In situ	<ul style="list-style-type: none"> <li>• Bi-weekly for the first month following injection</li> <li>• Monthly for the next 3 months</li> <li>• Quarterly thereafter</li> </ul>
Dissolved Oxygen	µg/l	grab	<ul style="list-style-type: none"> <li>• Bi-weekly for the first month following injection</li> </ul>

			<ul style="list-style-type: none"> <li>• Monthly for the next 3 months</li> <li>• Quarterly thereafter</li> </ul>
Major Anions (bromide, chloride, sulfate, nitrate, nitrite, O-phosphate, and sulfide)	µg/l	grab	<ul style="list-style-type: none"> <li>• Bi-weekly for the first month following injection</li> <li>• Monthly for the next 3 months</li> <li>• Quarterly thereafter</li> </ul>
Major Cations (barium, calcium, magnesium, manganese, potassium and sodium)	µg/l	grab	<ul style="list-style-type: none"> <li>• Bi-weekly for the first month following injection</li> <li>• Monthly for the next 3 months</li> <li>• Quarterly thereafter</li> </ul>
Metals in Priority pollutant scan*, plus hexavalent chromium	µg/L	grab	<ul style="list-style-type: none"> <li>• During first weekly sampling only</li> </ul>

\*Priority Pollutants are listed in Attachment A

All groundwater monitoring reports must include, at minimum, the following:

- a. Well identification, date and time of sampling;
- b. Sampler identification, and laboratory identification;
- c. Quarterly observation of groundwater levels, recorded to 0.01 feet mean sea level and groundwater flow direction for **all** site monitoring wells.

### III. CERTIFICATION STATEMENT

Each report shall contain the following completed declaration:

"I certify under penalty of law that this document, including all attachments and supplemental information, was prepared under my direction or 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 a fine and imprisonment.

Executed on the \_\_\_\_ day of \_\_\_\_\_

at \_\_\_\_\_

\_\_\_\_\_(Signature)

\_\_\_\_\_(Title)"

### IV. MONITORING FREQUENCIES

Specifications in this monitoring program are subject to periodic revisions. Monitoring requirements may be modified or revised by the Executive Officer based on review of monitoring data submitted pursuant to this Order. Monitoring frequencies may be adjusted to a less frequent

basis or parameters and locations dropped by the Executive Officer if the Discharger makes a request and the request is backed by statistical trends of monitoring data submitted.

All records and reports submitted in compliance with this Order are public documents and will be made available for inspection during business hours at the office of the California Regional Water Quality Control Board, Los Angeles Region, upon request by interested parties. Only proprietary information, and only at the request of the Discharger will be treated as confidential.

Ordered by: \_\_\_\_\_  
Jonathan Bishop  
Executive Officer

Date: January 30, 2007