The Super Star Plus Facility (Site) at 6351 Franklin Boulevard in Sacramento, Sacramento County, is situated on the northeast corner of 47th Avenue and Franklin Boulevard (Figure 1). The Site is currently an operating gasoline service station and convenience store. A petroleum discharge from the former underground storage tank system occurred while the station was operated by Mr. Mohammad Shamshad and while the property was owned by Ms. Sajda Perveen. Ms. Perveen sold the property to Mr. Shamshad on 3 May 2001. Mr. Shamshad is the current property owner. Fruitridge Vista Water Company Well #11 is located approximately 450 feet southeast of the Site. Well #11 is 452 feet deep, is impacted by methyl tertiary butyl ether (MTBE), and was taken out of service in 1998. Groundwater is first encountered at approximately 40 feet below ground surface (bgs). Initial soil and groundwater investigations showed petroleum hydrocarbon constituents in soil at maximum concentrations of: total petroleum hydrocarbons (TPH-G) 13,000 milligrams per kilogram (mg/kg), total extractable petroleum hydrocarbons as diesel (TPH-D) 4,100 mg/kg, benzene 41 mg/kg, toluene 820 mg/kg, ethylbenzene 280 mg/kg, xylene 1,700 mg/kg, MTBE 140 mg/kg, tert amyl methyl ether (TAME) 0.047 mg/kg, and lead (analyzed by the Waste Extraction Test method using deionized water) 2,000 ug/l. Groundwater samples have contained petroleum hydrocarbon constituents at maximum concentrations of: TPH-G 210,000 micrograms per liter (ug/l), TPH-D 13,000, benzene 33,000 ug/l, toluene 45,000 ug/l, ethylbenzene 5,300 ug/l, xylenes 30,000 ug/l, MTBE 2,300 ug/l, TAME 2.1 ug/l, TBA 310 ug/l, 1,2-dichloroethane (1,2-DCA) 1.8 ug/l, ethanol 5.3 ug/l, and methanol 180 ug/l. During the first quarter 2007 groundwater monitoring event, concentrations of petroleum constituents were detected at maximum concentrations of: TPH-G 54,000 ug/l, TPH-D 2,900 ug/l, benzene 5,400 ug/l, toluene 15,000 ug/l, ethylbenzene 1,500 ug/l, total xylenes 9,600 ug/l, and MTBE 150 ug/l. This pollution has impaired the beneficial uses of the underlying water resource. A soil vapor extraction (SVE) system has been operating since 1 July 2003 and has removed approximately 6,029 pounds (lbs) of TPH-G. A groundwater extraction (GWE) system has been operating at the site since 12 September 2005 and has extracted approximately 3,371,254 gallons and removed approximately 1,462 lbs of TPH-G, 113 lbs of benzene, and 21 lbs of MTBE.
MRP unless and until a revised MRP is issued by the Executive Officer of this Regional Water Board.

Prior to construction of any new groundwater monitoring or extraction wells, and prior to destruction of any groundwater monitoring or extraction wells, the Dischargers shall submit plans and specifications to the Regional Water Board for review and approval. Once installed, all new wells shall be added to the monitoring program and shall be sampled and analyzed according to the schedule below.

GROUNDWATER MONITORING

1. As shown on Figure 1, there are 24 groundwater monitoring wells, MW-1, MW-2, MW-3, MW-4, MW-5, MW-6, MW-7, MW-8, MW-9, MW-10, MW-11, MW-12, MW-13, MW-14, MW-15, MW-16, MW-17, MW-18, MW-19, MW-20, MW-21, EX-1, EX-2, and EX-3, associated with the Super Star Plus site. The groundwater monitoring program for the 24 monitoring wells and any wells installed subsequent to the issuance of this MRP, shall follow the schedule below. Monitoring wells with free phase petroleum product or visible sheen shall be monitored, at a minimum, for product thickness and depth to water. The volume of extracted groundwater also shall be provided in quarterly monitoring reports. Sample collection and analysis shall follow standard EPA protocol.

<table>
<thead>
<tr>
<th>Constituents</th>
<th>EPA Analytical Method</th>
<th>Maximum Practical Quantitation Limit (μg/l)</th>
<th>Analysis Frequency</th>
</tr>
</thead>
<tbody>
<tr>
<td>Depth to Groundwater</td>
<td>---</td>
<td>---</td>
<td>---</td>
</tr>
<tr>
<td>Total Petroleum Hydrocarbons as Gasoline</td>
<td>8015M</td>
<td>50</td>
<td>Quarterly</td>
</tr>
<tr>
<td>Total Extractable Petroleum Hydrocarbons as Diesel</td>
<td>8015M</td>
<td>50</td>
<td>Quarterly</td>
</tr>
<tr>
<td>Benzene</td>
<td>8020 or 8260B</td>
<td>0.5</td>
<td>Quarterly</td>
</tr>
<tr>
<td>Toluene</td>
<td>8020 or 8260B</td>
<td>0.5</td>
<td>Quarterly</td>
</tr>
<tr>
<td>Ethylbenzene</td>
<td>8020 or 8260B</td>
<td>0.5</td>
<td>Quarterly</td>
</tr>
<tr>
<td>Xylenes</td>
<td>8020 or 8260B</td>
<td>0.5</td>
<td>Quarterly</td>
</tr>
<tr>
<td>MTBE</td>
<td>8260B</td>
<td>0.5</td>
<td>Quarterly</td>
</tr>
<tr>
<td>TBA</td>
<td>8260B</td>
<td>5.0</td>
<td>Annually</td>
</tr>
<tr>
<td>TAME</td>
<td>8260B</td>
<td>0.5</td>
<td>Annually</td>
</tr>
</tbody>
</table>

1 All wells shall be monitored quarterly for water levels and the presence and thickness of free product.
2 Wells shall be sampled semi-annually during the first and third quarters.
3 Wells shall be sampled annually during the third quarter.
## Reporting

2. When reporting the data, the Discharger shall arrange the information in tabular form so that the date, the constituents, and the concentrations are readily discernible. The data shall be summarized in such a manner as to illustrate clearly the compliance with this Order. In addition, the Discharger shall notify the Regional Water Board within 48 hours of any unscheduled shutdown of any soil vapor and/or groundwater extraction system.

3. As required by the California Business and Professions Code Sections 6735, 7835, and 7835.1, all reports shall be prepared by a registered professional or their subordinate and signed by the registered professional.

4. The Discharger shall submit a paper copy of the quarterly report to this Regional Water Board office and submit the quarterly electronic data reports, which conform to the requirements of the California Code of Regulations, Title 23, Division 3, Chapter 30, electronically over the internet to the State Water Board’s GeoTracker database system. Both the paper copy and the electronic submittal are due by the 1st day of the second month following the end of each calendar quarter by **1 February, 1 May, 1 August, and 1 November**, until such time as the Executive Officer determines that the reports are no longer necessary. Each quarterly report shall include the following minimum information:

(a) A description and discussion of the groundwater sampling event and results, including trends in the concentrations of pollutants and groundwater elevations in the wells, how and when samples were collected, and whether the pollutant plume(s) is delineated.

(b) Field logs that contain, at a minimum, water quality parameters measured before, during, and after purging, method of purging, depth of water, volume of water purged, etc.

(c) Groundwater contour maps for all groundwater zones, if applicable.
(d) Concentration contour maps for all groundwater zones for TPH-G, benzene, and MTBE.

(e) A table showing well construction details such as well number, groundwater zone being monitored, ground surface elevation, screen interval, bentonite interval, filter pack interval, and total depth of the well.

(f) A table showing historical lateral and vertical (if applicable) down-gradient directions and gradients.

(g) Cumulative data tables containing the water quality analytical results and depth to groundwater.

(h) A copy of the laboratory analytical data report.

(i) If applicable, the status of any ongoing remediation, including cumulative information on the mass of pollutant removed from the subsurface, system operating time, the effectiveness of the remediation system, and any field notes pertaining to the operation and maintenance of the system.

(j) If applicable, the reasons for and duration of all interruptions in the operation of any remediation system, and actions planned or taken to correct and prevent interruptions.

5. The Fourth Quarter Groundwater Monitoring Report, due 1 February of each year shall be an expanded report and will include the following additional information/items:

(a) Tabular summaries of all data obtained during the year.

(b) Graphical summaries, of TPH-G, benzene, and MTBE concentrations, groundwater elevation data, and remediation system operation versus time for wells MW-1, MW-4, MW-12, MW-13, MW-14, and MW-15, and additional wells as request by Regional Water Board staff.

(c) A rose diagram presenting groundwater flow direction and magnitude data.

(d) Contaminant concentration contour maps for TPH-G, benzene, and MTBE for each quarter from the previous year.

(e) A discussion of the long-term trends in the concentrations of the pollutants in the groundwater monitoring wells.

(f) An analysis of whether the pollutant plume is being captured by an extraction system or is continuing to spread.

(g) A description of all remedial activities conducted during the year, an analysis of their effectiveness in removing the pollutants, and plans to improve remediation system
effectiveness.

(h) An identification of any data gaps and potential deficiencies/redundancies in the monitoring system or reporting program.

(i) If desired, a proposal and rationale for any revisions to the groundwater sampling plan frequency and/or list of analytes.

6. The results of any monitoring done more frequently than required at the locations specified in the MRP also shall be reported to the Regional Water Board.

The Discharger shall implement the above monitoring program as of the date of the Order.

Ordered by: _______________________________________

PAMELA C. CREEDON
Executive Officer

__________________________
(Date)