The California Regional Water Quality Control Board, San Diego Region (hereinafter Regional Board), finds that:


2. On February 26, 1990, the Regional Board Executive Officer issued Technical Change Order (TCO) No. 1 to Monitoring and Reporting Program (M&RP) No. 88-53. The requirements of TCO No. 1 superceded and replaced the original requirements of M&RP No. 88-53.

3. The Mission Avenue Landfill operated from 1971 to 1979. Pursuant to Title 27 ("27 CCR"), Section 20080(g), landfills which were closed, abandoned, or inactive on or before November 27, 1984 are not specifically required to be closed in accordance with 27 CCR, Subchapter 5, Articles 1 and 2. However, these landfills are subject to post-closure maintenance requirements in accordance with 27 CCR, Section 21090 (b) and (c); and other requirements for the protection of water resources (Section 20380 et seq.).

3. The City of Oceanside is responsible for the protection of usable waters from discharge of wastes, gases, and leachate, during the landfill maintenance period. This responsibility continues with any subsequent change in land use of the landfill for purposes other than open space.

4. Landfill cover at inactive landfills ceasing operations prior to 1984 may not be adequate to minimize percolation of liquids through wastes as described in 27 CCR, Section 20705.

5. As part of the FY 2002/2003 Waste Discharge Order Update Program, Order No. 88-53 has been reviewed by Regional Board staff as required by Section 13263 of the California Water Code. This Order updates the findings and requirements of Order No. 88-53 in order to address current State and Regional Board policies, regulations and the current status of the landfill.
6. The Regional Board finds that a variety of approaches may be effective as Best Management Practices (BMPs) for control of surface water runoff and erosion of cover materials. BMPs for control of surface water runoff should be used in areas where cover materials have been placed and in areas undergoing landfill containment system construction or maintenance. Effective BMPs are best implemented on a site-specific basis and may include, but are not limited to, the use of: bonded fiber matrix materials, anchored fiber rolls, fiber blankets, and other measures as appropriate.

7. The Mission Avenue Landfill is an existing facility and as such is exempt from the provisions of the California Environmental Quality Act in accordance with Title 14, California Code of Regulations, Chapter 3, Article 19, Section 15301.

8. The Regional Board has considered all water resource related environmental factors associated with the Mission Avenue Landfill.

9. The Regional Board has notified interested parties of its intent to update waste discharge requirements for the Mission Avenue Landfill.

10. The Regional Board, in a public meeting heard and considered all comments pertaining to the Mission Avenue Landfill.

IT IS HEREBY ORDERED, that Order No. 88-53 be amended as follows:

1. Replace B. CLOSURE SPECIFICATIONS with the following:

   “B. MAINTENANCE SPECIFICATIONS

   General Maintenance Requirements

   1. The discharger shall prepare a maintenance plan by August 30, 2003, which contains, but is not limited to, the following:

      a. The persons, companies, or agencies responsible for each aspect of landfill maintenance, along with their addresses and phone numbers.

      b. Location maps indicating property boundaries and the existing limits of waste, internal roads, and structures inside the property boundary.

      c. A location map of the current monitoring and control systems including drainage and erosion control systems and landfill gas monitoring and control systems.
Addendum No. 1 to Order No. 88-53  
3 November 14, 2002  
Mission Avenue Landfill

d. A description of the methods, procedures, schedules and processes that will be used to maintain, monitor and inspect the landfill.

2. Annually by **April 30**, the discharger shall submit any and all modifications to the landfill maintenance plan as part of the Annual Summary Report. If no modifications have been made since the previous year, the discharger shall provide a statement to that effect in the Annual Summary Report.

3. The landfill maintenance period shall continue until the Regional Board determines that remaining wastes in all waste management units (WMUs) will not threaten water quality.

4. The discharger shall comply with all applicable requirements of 27 CCR, Subchapter 5, Article 2.

5. Waste containment structures/units shall be adequately protected from any washout, erosion of wastes or cover material. The surface drainage system shall be designed to adequately handle the rainfall from a 100-year 24-hour storm event.

6. The structural integrity and effectiveness of all containment structures and the existing cover shall be maintained as necessary to correct the effects of settlement or other adverse factors.

7. Vegetation used at the site shall be selected to require minimum irrigation and maintenance, and shall not impair the integrity of containment structures including the existing cover.

8. The migration of landfill gas from the site shall be controlled as necessary to ensure that landfill gases and gas condensate are not discharged to surface waters or ground waters. Condensate shall be collected and removed from the site except as defined in 27CCR Section 20090(e).

**Erosion Control**

9. Annually, prior to the anticipated rainy season but not later than **October 31**, any necessary erosion control measures shall be implemented, and any necessary construction, maintenance, or repairs of precipitation and drainage control facilities shall be completed to prevent erosion, ponding, flooding, or to prevent surface drainage from contacting or percolating through wastes at the facility. In addition, maintenance, and repairs necessitated by changing site conditions can be made at any time.
10. Structural and non-structural Best Management Practices (BMPs) shall be used to prevent erosion of cover materials and in areas undergoing landfill containment system construction and/or maintenance.

11. All areas, including surface water drainage courses, shall be maintained to minimize erosion. The landfill cover shall be maintained to minimize percolation of liquids through wastes.

**Surface Water Drainage**

12. Surface water runoff within the boundary of the landfill (i.e., precipitation that falls on the landfill cover) shall be collected by a system of berms, ditches, downchutes, swales and drainage channels, and shall be diverted off the landfill to either the detention basins or to the natural watercourses offsite.

13. Surface water runoff from tributary areas and internal site drainage from surface and subsurface sources shall not contact or percolate through waste and shall either be contained onsite or be discharged in accordance with applicable storm water regulations.

14. Surface water runoff from the landfill is subject to State Board Order No. 97-03-DWQ, National Pollutant Discharge Elimination System (NPDES) General Permit No. CAS000001, "Waste Discharge Requirements for Discharges of Storm Water Associated with Industrial Activities Excluding Construction Activities" and any revisions thereto.

15. Where surface water runoff results in erosive flow velocities, surface protection such as asphalt, concrete, riprap, silt fences or other erosion control material shall be used for protection of drainage conveyance features. Interim bench ditches shall be provided with erosion control material and riprap to control erosion where necessary.

16. Where surface water runoff results in erosive flow velocities at terminal ends of downchutes or where downchutes cross the landfill cover access roads, erosion control material shall be applied to exposed soil surfaces.

17. Energy dissipaters shall be installed to control erosion at locations where relatively high erosive flow velocities of surface water runoff are anticipated.
Other Specifications

18. The discharger shall maintain the existing cover system comprised of a minimum two-foot foundation layer, overlain by a one-foot thick clay liner, and finally a one-foot thick vegetative soil layer, for a final cover system that complies with the minimum requirements of Title 23, Chapter 15, Section 2581.

19. The waste management unit shall be provided with at least two permanent monuments installed by a licensed land surveyor or a registered civil engineer, from which the location and elevation of wastes, containment structures, and monitoring facilities can be determined throughout the post-closure maintenance period.

20. The discharger shall maintain an irrevocable closure fund or provide meanse to ensure post-closure maintenance of this waste management facility in accordance with the closure and post-closure maintenance requirements of this Order.

21. The disposal site shall be graded to maintain at least a three-percent grade and be maintained to prevent ponding.

22. Areas of the disposal site containing slopes greater than ten-percent, surface drainage courses, and areas subject to erosion by water and wind shall be protected or designed and constructed to prevent such erosion.

23. Throughout the post-closure maintenance period, and for as long as the wastes contained in the disposal site pose a threat to water quality, the discharger shall:
   a. Maintain the monitoring systems and monitor the ground water, surface water, and the unsaturated zone in accordance with applicable requirements of this Order;
   b. Prevent erosion and related damage to the final cover due to drainage and effects of erosion;
   c. Protect and maintain surveyed monuments.”

2. Replace Provision C.2 with the following:

“The discharger shall comply with the applicable provisions of California Code of Regulations 27 CCR and all conditions of this Order. Any noncompliance with this Order constitutes a violation of the California Water Code and is grounds for: (a) enforcement action; (b) termination, revocation and reissuance, or
modification of this Order; or (c) denial of a Report of Waste Discharge in application for new or revised Waste Discharge Requirements.”

3. Replace **Reporting Requirement D.10** with the following:

“The discharger shall comply with the requirements of Technical Change Order No. 1 to Monitoring and Reporting Program No. 88-53. Monitoring results shall be reported to the Regional Board at intervals specified in Technical Change Order No. 1 to Monitoring and Reporting Program No. 88-53.”

4. Replace **Reporting Requirement D.13** with the following:

“The discharger shall submit reports required under this Order and other information requested by the Executive Officer, to:

Executive Officer  
California Regional Water Quality Control Board  
San Diego Region  
9174 Sky Park Court, Suite 100  
San Diego, CA  92123  
Attn: Land Discharge Unit Supervisor”

5. Add the following as **Reporting Requirement D.14**:

“The discharger shall submit a copy of the Storm Water Pollution Prevention Plan (SWPPP) by June 1, 2003. Subsequently, the discharger shall submit any and all modifications to the SWPPP as part of the Annual Summary Report due April 30. If no modifications have been made since the previous year, the discharger shall provide a statement to that effect in the Annual Summary Report.”

5. Replace **G. Reporting Schedule of Technical Change Order No. 1 to Monitoring and Reporting Program No. 88-53** with the following:

“The monitoring requirements for this site, ground water, and gas condensate shall be submitted in one report to the Regional Board in accordance with the following schedule:

<table>
<thead>
<tr>
<th>Report Frequency</th>
<th>Report Period</th>
<th>Report Due</th>
</tr>
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<tbody>
<tr>
<td>Semiannually</td>
<td>July – December</td>
<td>January 30</td>
</tr>
<tr>
<td></td>
<td>January – June</td>
<td>July 30</td>
</tr>
<tr>
<td>Annually</td>
<td>January – December</td>
<td>January 30</td>
</tr>
</tbody>
</table>
Monitoring reports shall be submitted to:

Executive Officer
California Regional Water Quality Control Board
San Diego Region
9174 Sky Park Court, Suite 100
San Diego, CA 92123
Attn: Land Discharge Unit Supervisor"

I, John H. Robertus, Executive Officer, do hereby certify the foregoing is a full, true and correct copy of an Order adopted by the California Regional Water Quality Control Board, San Diego Region, on November 13, 2002.

[Signature]
JOHN H. ROBERTUS
Executive Officer