ITEM NO. 13

ERRATA SHEET FOR TENTATIVE ORDER NO. R9-2010-0004 AND MONITORING AND REPORTING PROGRAM NO. R9-2010-0004 UNITED STATES MARINE CORPS, MARINE CORPS BASE CAMP PENDLETON LAS PULGAS LANDFILL

The following changes have been made to **Tentative Order No. R9-2010-0004**. Text that has been added is bolded and underlined. Text that has been removed is shown in strike through format.

Errata Item No.	Section	Revision
1.	Finding No. 1	The following first sentence of the text is revised as follows: DISCHARGER. From ~~1980~~ **1971** to present, the United States Marine Corps (USMC; hereinafter, Discharger) has owned and operated the Las Pulgas Landfill…
2.	Finding No. 2	The following text is revised as follows: FACILITY LOCATION. The Las Pulgas Landfill is located within the boundaries of USMC Base Camp Pendleton **(Base)** in San Diego County, approximately 0.2 miles north of Basilone Road in Area 43, Sections 28 and 29, T9S, R5W, SBB&M. A location map is provided as Attachment No. 1 to this Order.
3.	Finding No. 10	The following sentence is added to the end of Finding No. 4: **Upon adoption, this Order will supersede Order No. 2000-54.**
4.	Finding No. 11.c.	The following text is revised as follows: LEACHATE COLLECTION AND REMOVAL SYSTEM – SIDESLOPES. The LCRS on the sideslopes will be comprised of a 24-inch protective soil layer **initially** placed approximately 8 to 10 feet vertically up the sideslopes**, and placed incrementally 8 to 10 feet up the entire lined sideslopes thereafter**. This layer will be constructed of on-site material graded to 1-inch minus, ~~consisting of loamy or sandy clays with~~ **having** a permeability ~~ranging between~~ of **at least** ~~1~~ **2** x 10^{-3} ~~to 1 x 10^{-4}~~ cm/sec **or greater.**

5.	Finding No. 12	The following text is revised as follows: … On the sideslopes, this layer serves as the drainage layer of the sideslope LCRS system and will be placed **8 to**10 feet vertically up the ~~north slope and across the entire south slope~~ **sideslopes initially, and incrementally 8 to 10 feet up the entire lined sideslopes thereafter**. The protective soil cover is composed of **on-site materials having** ~~loamy or sandy clays with~~ a permeability ~~ranging between~~ **of at least** 2.0 x 10^{-3} m/sec or greater.
6.	Finding No. 15	The following text is revised as follows: INDUSTRIAL AND CONSTRUCTION STORM WATER DISCHARGES. The Discharger has prepared a Storm Water Pollution Prevention Plan (SWPPP) in accordance with the requirements of Order No. ~~2009-0009~~ **97-03**-DWQ, National Pollutant Discharge Elimination System (NPDES) Permit No. CAS000001 (General Permit), *Waste Discharge Requirements (WDRs) for Discharges of Storm Water Associated with Industrial Activities Excluding Construction.* The SWPPP is expected to be amended pursuant to Order No. ~~2009-0009~~ **97-03**-DWQ, whenever there is a change in operations which may affect the discharge of pollutants to waters of the United States as required by the Permit.
7.	General Discharge Specifications B.3	The following text is revised as follows: The discharge of wastes shall be confined to the designated disposal ~~area~~ **areas, including the legacy area and the areas** underlain by the liner system prescribed by Landfill *Construction Specification E.6* of this Order.
8.	Discharge Specifications for Specific Types of Waste C.2	The following text has been revised as follows: …A minimum solids-to-liquid ratio of 5:~~0~~ **1** by weight shall be maintained to ensure that the co-disposal will not exceed the initial moisture holding capacity of the non-hazardous solid waste [per CCR Title 27, section 20220(c)].
9.	Landfill Operation Specifications D.6.c	The following text is revised as follows: …An annual report describing measures taken to comply with this specification shall be received by the San Diego Water Board office no later than *5:00 pm on January 30* **of the following year**.

10.	Landfill Operation Specifications D.8.b.	The following text is modified as follows: Leachate production from the LCRS shall not exceed 85 percent of the design capacity of the LCRS ~~or sump pump~~. If leachate generation exceeds this value, ~~and/or if the depth of fluid in the LCRS sump exceed 24 inches,~~ then the Discharger shall immediately cease the discharge of sludge and other high-moisture wastes to the WMU, and shall notify the San Diego Water Board in writing within ***seven days***…
11.	Landfill Operation Specification D.9	The following text is added as follows: **PROTECTIVE COVER SOIL PLACEMENT. The protective soil cover shall be placed up the side slopes incrementally during operation of the landfill. The two-foot thick layer shall not be compacted against the side slope liner system, and must be placed with additional soil at the toe of the slope to maintain interim stability conditions. Equipment loads shall not be allowed on the landfill side slopes during the placement of the protective soil cover.**
12.	Landfill Construction Specifications E.6.d.i.	The following text is modified as follows: Provide a pathway for the migration and release of wastes, waste ~~concstituents~~ **constituents**, or degradation products (leachate, landfill gas, etc.); or
13.	Landfill Construction Specifications E.7.d.	The following text is modified as follows: The Discharger must provide the San Diego Water Board with an acceptable ~~CQA Report~~ **Final Engineering Report**, including a technical demonstration that the proposed sideslope liner design can be constructed and remain stable and functional on: (1) the interior cut slopes of the WMU and (2) in areas where the composite liner overlaps wastes in the legacy area (pre-1993) of the landfill.
14.	Landfill Construction Specifications E.9	The following text is modified as follows: ~~OPERATIONS LAYER~~. **PROTECTIVE COVER SOIL**.
15.	Landfill Construction Specification E.9.a.ii.	The following text is modified as follows: Be comprised of ~~gravel, sands, clays, and/or silts, and have a~~ **soil materials having a** minimum ~~lab~~ **laboratory** permeability of ~~0.01~~ **2×10^{-3}** cm/s.
16.	Landfill Construction Specification E.10.b.ii.	The following text is modified as follows: Processed green ~~wastes~~ **materials**.

17.	Closure and Post-Closure Specifications F.3	The following text is modified as follows: At closure~~, the Las Pulgas Landfill shall be graded to achieve a three percent grade on slopes~~ **all portions of the final cover shall have a slope of at least three percent** and the cover shall be maintained to prevent ponding and infiltration.
18.	Provision G.18	The following provision is added to the Order: **Order No. 2000-54 Superseded. Upon adoption, this Order supersedes Order No. 2000-54.**
19.	Reporting Requirements H.6.a.	The following text is modified as follows: Final ~~Design Report~~ **Engineering Report**, including but not limited to, as-built plans, specifications, and descriptions for all liners and other containment structures, LCRS components, leak detection system components, precipitation and drainage control facilities, interim covers, and description of ancillary facilities pursuant to CCR Title 27, section 21760(a)(1).

The following changes have been made to **Tentative Monitoring and Reporting Program No. R9-2010-0004**. Text that has been added is bolded and underlined. Text that has been removed is shown in strike through format.

Errata Item No.	Section	Revision
1.	Part I – Reports to be Filed with the San Diego Water Board: Special Reports A.3	The following text is modified as follows: Slope Stability Monitoring Report. The Discharger shall monitor/ measure the displacement along engineered final slopes **in the 2:1 slope area**, by use of inclinometers and/or permanent surface monuments, and visual inspections monthly for the first year and quarterly thereafter...
2.	Part I – Reports to be Filed with the San Diego Water Board: Special Reports B.1	The following text is modified as follows: Sampling and Analysis Plan. ~~Within ***90 calendar days*** of the adoption of this Order, the~~ **The** Discharger shall submit a ~~work~~ **revised Sampling and Analysis Plan (SAP) (if necessary)** ~~plan~~ to the San Diego Water Board **as an attachment to the Semi-Annual Report due October 30, 2010. At a minimum, the SAP shall contain** ~~that contains, at a minimum,~~ the following information regarding the corrective action monitoring reports:

3.	Part I – Reports to be Filed with the San Diego Water Board: Special Reports B.2	The following text is modified as follows: Slope Stability Monitoring Program Workplan. Within *90 calendar days* of the date of this Order, the Discharger shall submit a workplan for the design, implementation and reporting of the results from a slope stability monitoring program **in the 2:1 slope area of Phase II**. The workplan shall incorporate a combination of inclinometers and/or permanent surface monuments for measuring the displacement/slope movement **of the 2:1 slopes** within the Phase II expansion area, as well as a schedule for periodic visual inspections…
4.	Part II – Corrective Action Monitoring Specifications: Groundwater Monitoring E.1	The following text is modified as follows: …The downgradient Monitoring Points are: ~~9W-04A~~ **8W-04A**, 8W-07A, 8W-09, 8W-15, and 8W-20~~, 9W-04A~~…
5.	Part II – Corrective Action Monitoring Specifications: Surface Water Monitoring F.1	The following text is modified as follows: …The point of compliance for surface water monitoring is located along the ~~Las Pulgas Creek~~ **an unnamed tributary to Las Flores Creek** at the outfall from the desiltation basin for the Las Pulgas Landfill…
6.	Part V – Contingency Reporting: Detection of VOCs in Background C.4.c	The following text is modified as follows: **Within 180 days, provide the San Diego Water Board with a work plan detailing the proposed activities associated with the installation of a new upgradient or cross-gradient monitoring well.** Within ***90 days*** **of approval of the work plan,** install a new upgradient or cross-gradient background well in a portion of the aquifer that will provide data representative of background conditions for the Unit's Compliance Wells (if there is not at least one other background well unaffected by this constituent).

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