



Los Angeles Regional Water Quality Control Board

September 20, 2013

Mr. Scott Martin
Kinder Morgan Energy Partners, LLC
1100 Town & Country Road
Orange, CA 92608

TERMINATION OF WASTE DISCHARGE REQUIREMENTS FOR THE SLOUGH SURFACE IMPOUNDMENT, KINDER MORGAN ENERGY PARTNERS LP, CARSON TERMINAL, CARSON, CA (FILE NO. 83-030, CI-7451; GEOTRACKER GLOBAL ID. SLT43129127)

Dear Mr. Martin:

Reference is made to our letter dated July 12, 2013, that transmitted a tentative order for the termination of Order No. 94-111 that was adopted by the California Regional Water Quality Control Board, Los Angeles Region (Regional Board) on October 31, 1994, for the closure of a surface impoundment (Slough) used for the storage of non-hazardous petroleum hydrocarbons at the subject site. Pursuant to Division 7 of the California Water Code, the Regional Board at a public hearing held on September 12, 2013, reviewed the tentative order, considered all factors in the case, and adopted Order No. R4-2013-0134 (copy attached), which terminates Order No. 94-111.

If you have any questions regarding this matter, please contact Dr. Enrique Casas, Project Manager, at (213) 620-2299.

Sincerely,

A handwritten signature in blue ink, appearing to read "Wen Yang".

Wen Yang, Ph. D.
Senior Engineering Geologist
Land Disposal Unit

cc: Ms. Leslie Graves, State Water Resources Control Board
Ms. Cindy Chen, Los Angeles County Env. Health Division, Solid Waste Program
Mr. John Nordenstam, TRC Companies, Inc.

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

ORDER NO. R4-2013-0134

**TERMINATION OF WASTE DISCHARGE REQUIREMENTS
FOR DISCHARGES TO LAND/GROUNDWATER**

The California Regional Water Quality Control Board, Los Angeles Region (Regional Board) finds:

1. The Regional Board adopted Waste Discharge Requirements (WDRs) contained in Order No. 94-111 on October 31, 1994, for the GATX Tank Storage Terminals Corporation - Carson Terminal (Facility) for the closure of a surface impoundment (Slough) used for storing petroleum hydrocarbons. The Facility is located at 2000 E. Sepulveda Ave., Carson, California. Kinder Morgan Energy Partners, LLC (Discharger) is the successor owner of the Facility.
2. The Slough was a depression, approximately four-acres in size, in the southwestern portion of the Facility that was used as an unlined surface impoundment. Refinery filter material, consisting of crude and waste oils, was reported to have been placed in the Slough impoundment during the late 1930's and 1940's.
3. In 1984, an unknown quantity of unleaded gasoline flowed into the Slough from a leak in a tank located south of the Slough impoundment. Also, a former storm water drain pipe from the area near the Slough impoundment is reported to have discharged directly into the northern edge of the Slough impoundment.
4. In 2005, the Discharger submitted final closure plans that outlined activities that were to be completed to clean close the Slough. Between June and October 2005, the Discharger performed remedial activities that included the excavation and removal of soil impacted with hydrocarbons and liquid asphalt/semi-solid tar.
5. In 2007, Regional Board staff determined that requirements for clean closure had not been met because of concerns for the potential fluxing of residual contaminants to underlying groundwater. As a result, Regional Board staff directed the Discharger to comply with updated closure requirements contained in title 27 of the California Code of Regulations (27 CCR).
6. In 2010, the Discharger completed partial closure the Slough by installing a low-permeability final cover over the portion of the Slough designated for the construction of six above ground storage tanks. The Slough final cover profile consisted of 1) a foundation layer with a minimum thickness of two feet of compacted structural backfill, 2) a geosynthetic clay liner barrier layer, and 3) a mechanically erosion-resistant layer of compacted structural backfill with gravel surfacing.
7. On March 19, 2013, the Discharger submitted a Final Slough Closure Report documenting the final closure of the remaining portion of the Slough designated for the construction of additional above ground storage tanks and a stormwater detention basin. In a letter dated June 25, 2013, the Regional Board Executive Office determined that closure activities

completed at the Facility met the requirements of 27 CCR and approved the Final Slough Closure Report.

8. The final cover profile for the 2013 project that completed closure of the Slough included the same cover profile as constructed in 2010 for areas overlain by above ground tanks. For the retention basin portion of the Slough, a 100-mil thick linear low-density polyethylene liner was constructed over a geocomposite and gravel underdrain.
9. The Regional Board finds that the WDRs are no longer applicable because the regulated operations have ceased. As such, Order No. 96-100 shall be terminated.
10. The termination of WDRs is exempt from the provisions of Chapter 3 (commencing with Section 21100), Division 13, Public Resources Code, in accordance with Water Code Section 13389.
11. The Facility is also subject to requirements of Regional Board Cleanup and Abatement Order (CAO) No. 90-152 issued under the Regional Board Site Cleanup Program for remediation activities in a broader area that includes the Slough. The termination of Order 94-111 shall not affect any requirement of the CAO. The postclosure maintenance of the Facility, including the closed Slough impoundment area, remains subject to requirements of the CAO.

The Regional Board has transmitted copies of this tentative Order to the Discharger and to interested agencies and persons, and has notified them of its intent to terminate requirements at a public meeting to be held on September 12, 2013. At that public meeting, the Regional Board gave the opportunity for a hearing and considered comments and correspondence pertinent to this matter.

IT IS HEREBY ORDERED that Waste Discharge Requirements Order No. 94-111 be terminated, except for enforcement purposes.

The Executive Officer of this Regional Board, is authorized, and he is hereby directed, to certify and submit copies of this Order to the Discharger, and to such individuals and governmental agencies as may have need therefor, or may request same.

I, Samuel Unger, Executive Officer, do certify that the foregoing is a full, true, and correct copy of an Order adopted by the California Regional Water Quality Control Board, Los Angeles Region, on September 12, 2013.


Samuel Unger, P.E.
Executive Officer