

County of San Luis Obispo Onsite Environmental Coordinator
Guadalupe Update 10-16-2018

Construction/remediation activities continue at the Chevron Guadalupe Oil Field Remediation Site (Field). The San Luis Obispo County Onsite Environmental Coordinator (OEC) continues to be present at the Field on a daily basis.

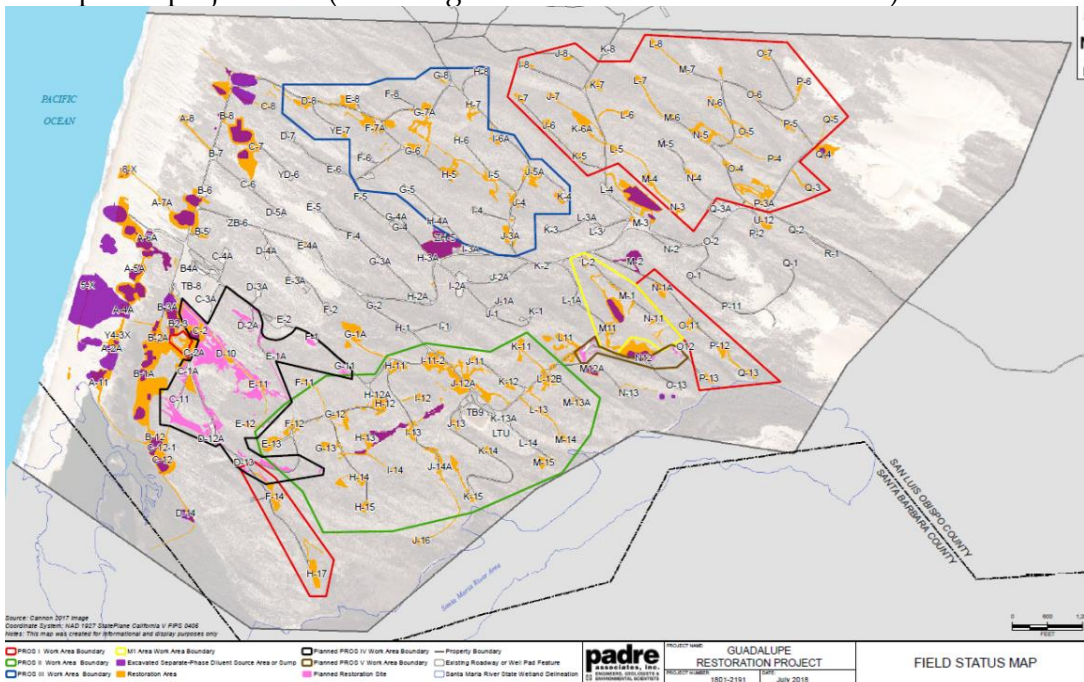
The following description of the activities at the Field will give any of the interested parties an opportunity to identify additional requests in terms of special monitoring or approval requirements for any particular tasks on the Field. Significant issues and important review schedules are underlined.

Construction contractor continues to work five 9-hour days per week. Entry into the site remain at 7 am. All construction related vehicles leave the site by 6 pm.

The following Plans are currently under agency review:

- Chevron submitted the B4 Work Plan for agency review and has requested comments by November 14, 2018.
- Chevron submitted the Phase V Work Plan for agency review and has requested comments by July 27, 2018.
- Chevron submitted the Aerial Spray Report (that includes Chevron's proposed future methodologies) for agency review and has requested comments by November 12, 2018.

To help orientate the placement of remediation activities, Figure 1 shows the Field and the location of all active and completed project sites (including the five PROS Work Plan Phases).



- Phase I (Test Phase) Remediation Sites 2013-2015 PROS Sites (outlined in red)
- Phase II Remediation Sites 2015-2016 PROS Sites (outlined in green)
- Phase III Remediation Sites 2016-2017 PROS Sites (outlined in blue)
- M1 Work Area 2017 (outlined in yellow)
- Phase IV Remediation Sites 2018 PROS Sites (outlined in maroon)
- Phase V Remediation Sites 2018 PROS Sites (outlined in brown)
- Completed remediation sites: excavated separate phase diluent (purple)
- Completed PROS sites: excavated and/or treated (gold)

Remediation Activities:

Phase IV PROS Pad, Road, and Oil Spray Removal/Treatment Activities

- The Chevron team has completed the agency review and approval of the PROS Phase IV Work plan and has begun work on this Phase (D12, E1A, F1 and G11 pads).
- The Chevron team has completed the excavation and treatment on the following Phase IV sites: E1A, F1 and G11. Ongoing work continues at the D12 and C11 Pad Sites.
- Excavation, treatment, backfill, final grade approval, and the installation of erosion and sediment control measures have been completed at the following Phase IV sites: E1A, F1 and G11.
- PROS activities include oil spray removal and treatment, pad treatment, sump removal, pipeline removal, road treatment, asbestos removal, and excavation of contaminated materials.



The D12 PROS Pad Site: excavation of sump and diluent-affected material.



The D12 PROs Site: post-excitation: all of the diluent and sump material has been excavated; the site will be backfilled and recontoured and B&Ps will be installed.



B1 Created wetland: one of several of the created wetlands adjacent to the Marsh Ponds.



TB9 Stockpile Site: Chevron has ceased hauling additional material to this stockpile site, but has recontoured the stockpiled material and covered the entire pile with soil-sement in preparation of upcoming rainy season.

Hauling/Stockpiling Activities

- RTS has ceased all hauling activities to the Santa Maria Landfill for the foreseeable future. All contaminated material is currently being hauled to the TB8 Stockpile site.
- Chevron will continue to maintain the existing stockpiled material at the TB9 Stockpile site (also referred to as the Land Treatment Unit or LTU) to temporarily contain some of the material excavated from PROs Sites, as described in the agency-approved TB9 Stockpile Work Plan.
- Chevron has begun using a portion of the TB8 Stockpile site (an agency approved stockpile area) to stockpile some of the PROs Phase IV and V material excavated from PROs Sites.
- Chevron reports that as of December 2, 2016, a total of 68,820 loads have been hauled to the Santa Maria Landfill, totaling 1,562,142 tons or 1,107,902 c.y. of contaminated material.
- The original SEIR hauling activities were completed on 9/18/2012. At that time, a total of 51,962 SEIR related loads were hauled to the Santa Maria Landfill totaling 1,186,770.77 tons or 859,978.82 cy of contaminated materials.
- The SEIR Addendum hauling activities commenced on 9/24/2012. To date, a total of 16,858 Addendum related loads have been hauled to the Santa Maria Landfill, totaling 375,372 tons or 266,221 cy of contaminated materials.

Perimeter Fence

- There were no cows observed on the Field in the last month. The fence line was inspected for any damages and/or breaks; any repairs were made as needed.
- Cows have been detected outside the Chevron property boundary in the Santa Maria Rivermouth and estuary. This area had been previously fenced off (by the rancher) from cattle for several years.

Other Field Activities:

- Aerial spraying of veldt grass via helicopter has been completed for the year. An assessment of the aerial spray program is currently being prepared and will be submitted for agency review.
- Padre staff continue to collect monitoring well samples throughout the Field according to their quarterly schedule.
- In accordance with CAO 98-38, amended November 6, 1998, active and passive free-product recovery systems continue to operate with periods of limited interruption at the Compressor Plant (CP), Diluent Tanks (DT), and Tank Battery 9 (TB9) Areas. As required, Padre staff provides notification to RWQCB staff during periods of planned shut-down for system maintenance and/or evaluation. System operation is dependent on recovery pump maintenance activities performed daily by O&M staff, which ensures the pumps are properly functioning.
- Chevron wildlife monitors conduct daily checks of the access roads prior to anyone entering the site.
- The hydrocarbon release at the 5X Beach Site continues to be monitored (visual and odor surveys 3x/week by Padre Staff) near the old 5X Excavation Site. There was no odor detected and there was no visible evidence of release. Chevron reports that beach surveys will continue one-to-three times per week as detailed in the 5X Beach Monitoring Plan.

Sensitive Species Issues:

- Western snowy plover monitors have completed the beach surveys for the year. Padre biologists reported 72 total nests being recorded for the season with 36 successfully hatched.
- Feral pig depredation efforts continue onsite as needed; however there has been only one pig regularly observed onsite for several months. Chevron is permitted under a CDFW depredation permit (using USDA Wildlife Services staff) to bait feral hog traps, and dispatch pigs as directed and allowed by the CDFW depredation permit and CEMC policies.
- Padre biologists conduct a daily morning clearance of all roads and work areas prior to all activities on the site.
- Chevron biologists continue to monitor restoration sites throughout the lease.



Turkey vulture overhead.