

County of San Luis Obispo Onsite Environmental Coordinator
Guadalupe Update 11-16-2016

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

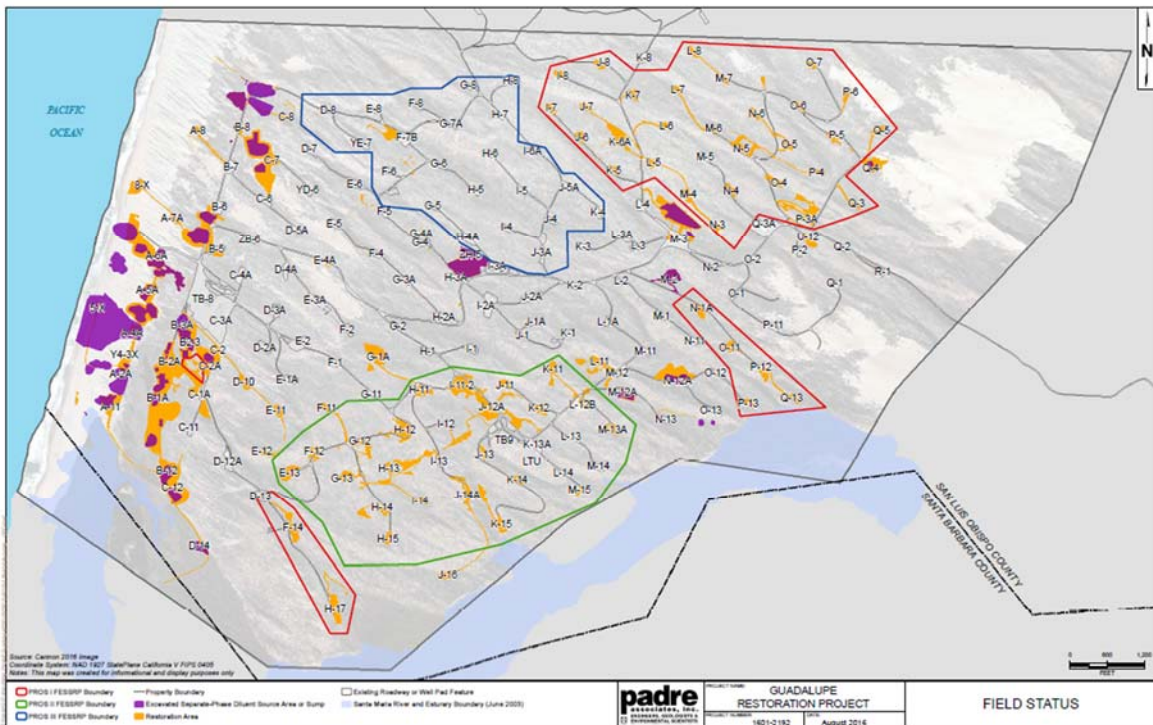
The following description of the weekly activities at the Field will give any of the interested parties an opportunity to identify additional requests in terms of special monitoring or approval requirements for any particular tasks on the Field. Significant issues and important review schedules are underlined.

- Construction contractor is now working five 8-hour days per week. Entry into the site remains at 7 am. All construction related vehicles leave the site by 5 pm.

The following Plans are currently under agency review:

- Chevron submitted the PROs Program Restoration Procedure Plan in June 2016 for agency review and approval. The County has reviewed and approved the final plan on 11-15-2016.
- On 9-28-2016 Chevron/Padre submitted a TB9 Stockpile Implementation Plan for using the former Tank Battery 9 (TB9) Area as a stockpile location for TPH-affected soil.
- Chevron/Padre submitted the TB5 B9 Wetland Addendum on September 17, 2016 for agency review. This Work Plan Addendum describes the proposal to remove sump material from the B9 Wetland adjacent to the TB5 Excavation area. This Plan has been approved by all agencies and work will begin at this site this week.
- Chevron/Padre submitted the Aerial Spray Plan for agency review and was expecting comments/approval by November 14, 2016.

To help orient the placement of remediation activities, Figure 1 shows the Field and the location of all active and completed project sites (including the three 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)
- Completed remediation sites: excavated separate phase diluent (purple)
- Completed PROS sites: excavated and/or treated (gold)

Here are the current activities:

Remediation Activities:

B9 Wetland/TB5 Sump Removal

- As described in the approved TB5 Work Plan, Chevron has removed a portion of a road extending through native habitat including the previously remediated Phytoremediation area. While removing this road material, sump material was observed that extended beyond the work plan-approved boundary. Chevron submitted a work plan for this site which was approved by all agencies; work is anticipated to be begin at this site this week.
- Vegetation clearing has already begun at this site.

2016 PROS Pad, Road and Oil Spray Removal/Treatment Activities

- Chevron has submitted the PROS Program Comprehensive Document for agency review on January 4, 2016. The County and agencies have reviewed and approved the Program document on May 12, 2016.
- The final PROs Phase II sites not yet completed include the J12 excavation, which awaits final P66 activities to be completed in the area.
- The Chevron team continues excavation and treatment on several Phase III sites including F7B, G8, H7 and I6. Excavation, treatment, backfill, final grade approval and the installation of erosion and sediment control measures have been completed at the following Phase III sites: D8, E8, F7A, G7A and YE7.
- PROS activities include oil spray removal and treatment, pad treatment, sump removal, pipeline removal, road treatment, asbestos removal and excavation of contaminated materials.
- Chevron has implemented a new backfill approval process that was reviewed and approved by the RWQCB in which portions of a specific PROs Site could be backfilled prior to RWQCB approval. This allows more continuous work flow as the rest of the site is being excavated and/or treated. The OEC will still continue to review all sample data prior to any backfill.



I6A PROs Site Excavation: diluent and sump material is excavated from the site prior to any pad or oil spray treatment.



16A PROs Site Excavation: post excavation. Diluent and sump material is excavated to a depth of four feet or greater, samples are collected, and results are analyzed by Chevron, the RWQCB and the OEC prior to backfill approval.



The Q4 Borrow Site: Chevron/Entact continues to use sand from this site for approved backfill material. Chevron requested permission and was authorized to temporarily regrade the area both within and outside the previously approved boundaries, to regrade the sand dunes within the approved borrow site boundaries and to reduce sand erosion outside of the area.

Hauling Activities

- RTS has temporarily ceased hauling activities to the SMLF.
- Chevron reports that as of November 4, 2016, a total of 68,690 loads have been hauled to the Santa Maria Landfill, totaling 1,559,243 tons or 1,105,846 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 16,728 Addendum related loads have been hauled to the Santa Maria Landfill, totaling 372,472 tons or 264,165 cy of contaminated materials.
- The OEC continues to receive and review weekly travel records for the 4-7 haul trucks driving between the Guadalupe Site and the SMLF. All trucks leaving the site continue to be recorded being observed traveling along the established approved travel route.

Perimeter Fence

- There were no cows observed on the Field in the last month.

Other Field Activities:

- 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 three times per week as detailed in the 5X Beach Monitoring Plan.

Sensitive Species Issues:

- As required in the Project's Biological Opinion, Chevron continues pursuing crayfish trapping in the Marsh Ponds. Chevron/Padre has submitted to USFWS, CDFW, and the County OEC a new Crayfish Removal Protocol and will conduct additional training of all involved approved biologists. Approved Padre biologists will continue crayfish trapping after receiving the final approval from USFWS and additional training and protection measures are implemented to reduce any future potential "take".
- Feral pig depredation efforts continue onsite as directed and permitted under the CDFW depredation permit. USDA Wildlife Services continue to bait feral hog traps, and have successfully trapped several feral hogs, dispatching them with a firearm, collecting carcasses, and disposing of carcasses 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.

LIFE AT GUADALUPE



Mule deer herd silhouette.