

County of San Luis Obispo Onsite Environmental Coordinator
Guadalupe Update 12-8-2016

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.

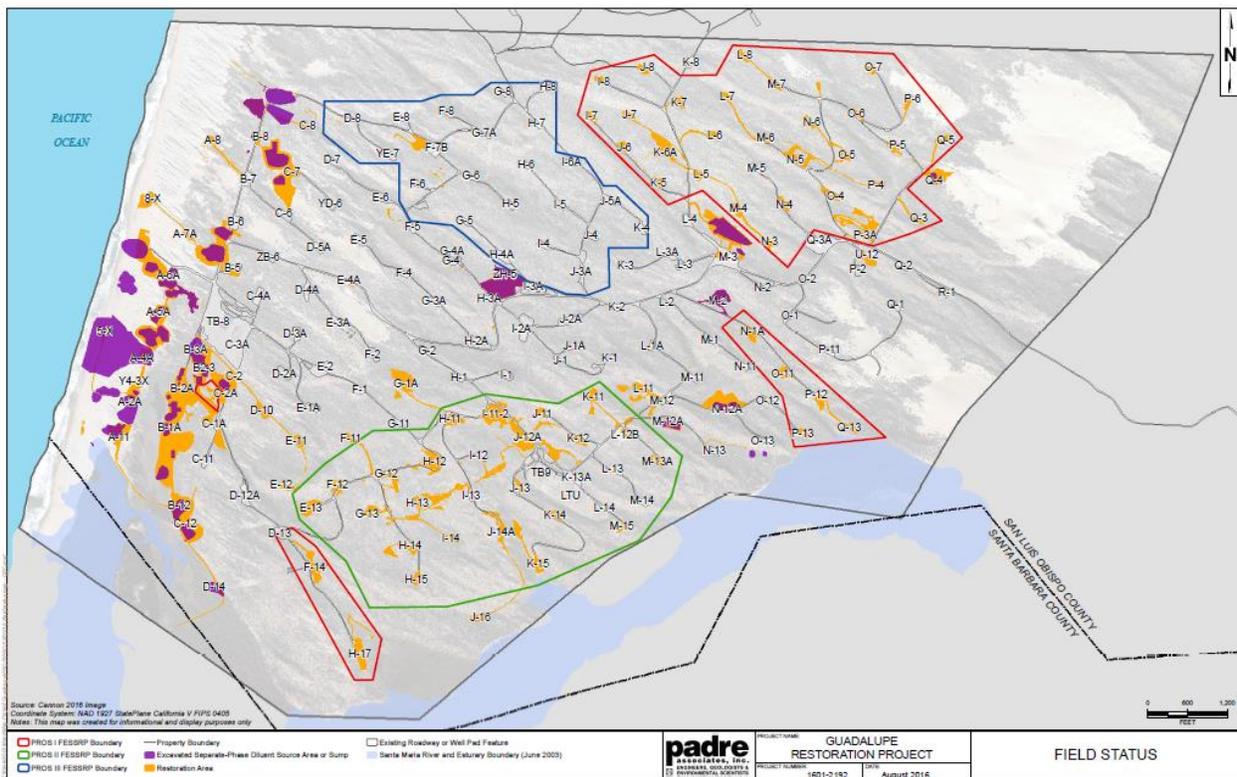
The following description of the weekly activities at the Field will give any of the interested parties an opportunity to identify additional requests in terms of special monitoring or approval requirements for any particular tasks on the Field. Significant issues and important review schedules are underlined.

- 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. All agency approvals have been received and activities at this site are scheduled to begin next 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).



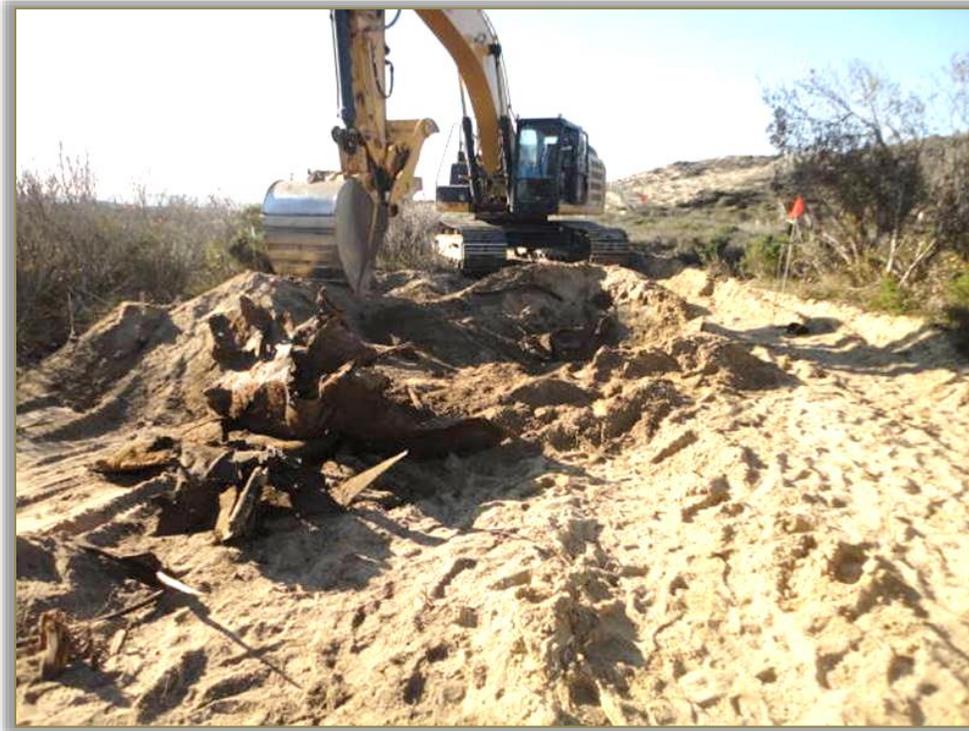
Phase I (Test Phase) Remediation Sites 2013-2015 PROS Sites (outlined in red)
Phase II Remediation Sites 2015-2016 PROS Sites (outlined in green)
Phase III Remediation Sites 2016-2017 PROS Sites (outlined in blue)
Completed remediation sites: excavated separate phase diluent (purple)
Completed PROS sites: excavated and/or treated (gold)

Here are the current activities:

Remediation Activities:

B9 Wetland/TB5 Sump Removal

- Excavation of this site began this week. Most of the sump material has been removed and hauled offsite.
- During the excavation of this site, metal debris, tank material, cable and asbestos material was exposed (photo below) and will be excavated in the next two weeks.



B9 Excavation: sump material and metal debris being excavated from the wetland area north of the TB5 Site.



B9 Excavation: metal cable excavated from the wetland area north of the TB5 Site.

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

- Chevron submitted the PROS Program Comprehensive Document for agency review on January 4, 2016. The County and agencies 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 the I6 and K4 sites. 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, F7B, F8, G7A, G8, H7 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.



The 8X Beach Area: slope downgradient of the 8X Pad Site. Sump material was previously excavated and removed from this pad site in 2009. Additional sump material was exposed and excavated south of this area last year during the winter season. Winds and tides have continued to erode this Site



The 8X Beach Area: close-up of downgradient slope off of the 8X Pad Site. Red rock, road base, compacted aggregate base (shown at top of photo) and other road/pad material continues to erode from this pad site into the high-tide zone. No sump material or soluble material has been exposed at this site this season. Chevron continues to monitor the site, remove larger pieces of debris when exposed, and reports that there have been no observations of any release of soluble petroleum material into the ocean.

Hauling Activities

- RTS has resumed hauling activities to the SMLF.
- 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.
- 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 continues 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 conducted the special training of all involved approved biologists. Approved Padre biologists have resumed crayfish trapping and report capturing one crayfish in 2-3 nights of trapping.
- Feral pig depredation efforts continue onsite as directed and permitted under the CDFW depredation permit. USDA Wildlife Services continue to bait feral hog traps, 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



Peregrine falcon on snag on the beach.