

A second group of reports were received on 04/03/17. These reports were dated 12/15/16, and are revisions of the previously reviewed reports.. .

The reports were reviewed to determine if they met the requirements of the workplan dated 9/23/16 which was approved on 6/26/16. That workplan covers a group of 6 sites; the APD Federal #1, Blue Dunn #1, Curry Fed #2, Curry State #5, Newkumet Fed #1, and Triple A Fed #2.

#### **APD Fed #1**

- Relocate a pile of contaminated soil presently sitting on bare ground to a location underlain by plastic until it could be characterized for disposal. *Not done.*
- Advance a series of three soils borings. One of the borings was to be to a maximum depth of 100 feet, and the remaining two borings to a maximum depth of 50 feet. *No borings advanced.*
- Grab soils samples at 5-foot intervals in each boring and submit for laboratory analysis of the adsorbed concentrations of benzene, toluene, ethylbenzene, total xylenes, total petroleum hydrocarbons, and chlorides. *Not done.*
- Based upon lab results and other observations, prepare and submit an investigation report including a remediation plan. *Not provided.*

*To OCD's knowledge, access to the APD Fed #1 was not granted to Siana or its contractor by the State Land Office.*

#### **Blue Dunn #1**

- Advance a series of seven soils borings. One of the borings was to be to a maximum depth of 100 feet, and the remaining six borings to a maximum depth of 50 feet. *Seven borings advanced. 5 new borings advance 03/22/2017.*
- Grab soils samples at 5-foot intervals in each boring and submit for laboratory analysis of the adsorbed concentrations of benzene, toluene, ethylbenzene, total xylenes, total petroleum hydrocarbons, and chlorides. *Sample hold time on 6 of 43 chloride assays exceeded, thus results may not be representative. Hydrocarbon concentration data not provided for 20 original samples. New Samples tested for Hydrocarbons but not chlorides. Hydrocarbons delineated completely.*
- Based upon lab results and other observations, prepare and submit an investigation report including a remediation plan. *Vertical extent of chloride contamination not adequately determined. Report misrepresents TPH concentrations as "0" when no data exists.*

*Overall recommendation that the site proceed to remediation by excavation of soils beneath tank battery. The bottom and sidewalls of that excavation need to be sampled proving adequate cleanup.*

#### **Curry Fed #2**

*No revision received 04/03/2017*

- Advance a series of five soils borings. One of the borings was to be to a maximum depth of 100 feet, and the remaining four borings to a maximum depth of 50 feet. *Only one boring advanced.*
- Grab soils samples at 5-foot intervals in each boring and submit for laboratory analysis of the adsorbed concentrations of benzene, toluene, ethylbenzene, total xylenes, total petroleum hydrocarbons, and chlorides. *Hydrocarbon concentration data not provided for 20 of 21 samples.*

- Based upon lab results and other observations, prepare and submit an investigation report including a remediation plan. *Vertical extent of chloride contamination not determined. Very high chloride concentrations at significant depth. Report misrepresents TPH concentrations as "0" when no data exists.*

#### **Curry State #5**

- Advance a series of five soils borings. One of the borings was to be to a maximum depth of 100 feet, and the remaining four borings to a maximum depth of 50 feet. *Five borings advanced. 5 new borings advanced 03/21/2017*
- Grab soils samples at 5-foot intervals in each boring and submit for laboratory analysis of the adsorbed concentrations of benzene, toluene, ethylbenzene, total xylenes, total petroleum hydrocarbons, and chlorides. *Sample hold time on 4 of 20 chloride assays exceeded, thus results may not be representative. Hydrocarbon concentration data not provided for 14 original samples. New Samples tested for Hydrocarbons but not chlorides. Hydrocarbons are not delineated.*
- Based upon lab results and other observations, prepare and submit an investigation report including a remediation plan. *Vertical extent of chloride contamination not adequately determined. Report misrepresents TPH concentrations as "0" when no data exists.*

The identified TPH soil plume needs to be characterized.

#### **Newkumet Fed #1**

- Advance a series of six soils borings. One of the borings was to be to a maximum depth of 100 feet, and the remaining five borings to a maximum depth of 50 feet. *Six borings advanced. 6 new borings advanced 3/21/17*
- Grab soils samples at 5-foot intervals in each boring and submit for laboratory analysis of the adsorbed concentrations of benzene, toluene, ethylbenzene, total xylenes, total petroleum hydrocarbons, and chlorides. *Hydrocarbon concentration data not provided for 17 original samples. New Samples tested for Hydrocarbons but not chlorides. Hydrocarbons are delineated.*
- Based upon lab results and other observations, prepare and submit an investigation report including a remediation plan. *Vertical extent of chloride contamination not adequately determined. Report misrepresents TPH concentrations as "0" when no data exists.*

Recommendation that site proceed to remediation with contaminated soils excavated in the area of the tank battery.

#### **Triple A Fed #2**

*04/03/2017 report alters # of samples location from 2 to 6. The map provided indicates only 2 sample locations.*

- Advance a series of two soils borings. One of the borings was to be to a maximum depth of 100 feet, and the other to a maximum depth of 50 feet. *Six borings advanced. 6 new borings advanced 3/22/17.*
- Grab soils samples at 5-foot intervals in each boring and submit for laboratory analysis of the adsorbed concentrations of benzene, toluene, ethylbenzene, total xylenes, total petroleum hydrocarbons, and chlorides. *Sample hold time on 4 of 39 chloride assays exceeded, thus results may not be representative. Hydrocarbon concentration data not provided for 32 original samples. New samples delineation hydrocarbons completely, but not chlorides.*
- Based upon lab results and other observations, prepare and submit an investigation report including a remediation plan. *Vertical extent of chloride contamination not determined. Very high chloride concentrations at significant depth. Report misrepresents TPH concentrations as "0" when no data exists.*

