



May 13, 2010

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Mrs. Sherry Bonham
NMOCD District 2
1301 West Grand Avenue
Artesia, NM 88210

Re: Soil Assessment and Remediation Work plan for the Lime Rock Resources Operating Company. Inc.
Resler State P.W. Transfer pump. Flow line Release.
Amended Work plan.

Dear Mrs. Sherry Bonham,

Lime Rock Resources Operating Company. Inc. has contracted Talon/LPE (Talon) to perform assessment and remediation services at the Resler State P.W. Transfer pump release site. Within this transmittal, Talon presents a proposed work plan to perform the assessment and remediation activities.

Incident date: April 26, 2010

The Resler State P.W. Transfer pump release is located approximately ten (10) miles east of Artesia, NM.

This site lies on land which is gently sloping. Drainage courses in this area are normally dry. The local surface and shallow geology includes loamy, silty soils underlain by gypsum. The New Mexico State Engineer web site indicates groundwater in section 25-17s-27e to be at an average depth of 240' below ground surface (bgs).

The ranking for this site is 0 based on the as following:

Depth to ground water	>100'
Wellhead Protection Area	>1000'
Distance to surface water body	>1000'

Incident Description: On April 26, 2010 the transfer water line running from the Resler State #1 to SWD ruptured. This line is located due east of the Resler State #1, next to the lease road. The release area was measured to be 50 yds x 40 yds, the release flowed down grade and on to a road used to maintain an anode bed; the flow path on this maintenance road was measured to be one hundred yards (100) in length and two feet (2') in width. The release fluids entered into a dry



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drainage area that runs to the North. This impacted area located in the drainage area was measured to be 70 yards (70) long x seven yards (7) wide.

Action Taken: The leaking flow line was immediately removed from service and repaired. A vacuum truck was brought to the site and free waters were recovered. Water recovered was disposed at an appropriate disposal facility. The New Mexico One Call was called and an emergency one call placed.

Equipment was brought to the site and berms were constructed to contain any rain that might occur.

Remediation Action:

Talon proposed the following assessment/remedial activities to address the soil impact at the site:

- The impacted soil from the release will be vertically and horizontally delineated. Background soil samples will be taken.
- Based on the RRAL, site soils will be excavated and transported to an NMOCD approved Solid waste disposal facility (Lea Land LLC.) for disposal. The Chlorides will be corrected to site specific as agreed upon or to the the existing background for Chlorides in the area. Due to safety factors and not shutting down the only access road leading to the anode bed, the impacted area located on the maintance road leading to the anode bed will have no remediation actions taken. The impacted soils lying over the anode bed will not be remediated due to a safety factor and the cost of possibly injury to the existing anode bed. Once excavation is complete, confirmation samples will be collected from the excavated areas located in the initial release area and the impacted drainage area. Samples collected will be place in laboratory provided sample containers. These samples will be labeled, place on ice, and delivered to a qualified laboratory for analysis of EPA SW-846 Method 8015 GRO/DRO for total petroleum hydrocarbons (TPH), EPA SW-846 Method 8021 for benzene, ethylbenzene, toluene, and total xylenes (BTEX), and total chlorides using EPA Method E 300.0.
- On May 4th 2010, a meeting occurred on the site with NMOCD/Sherry Bonham. Based on this meeting the following actions will be taken: A composite soil sample will be taken for information from the impacted soil in the anode bed area. A GPS Lat/Long reading will be taken twenty-five foot (25) on the North and south side of the anode bed. Remediation actions will not be taken on the impacted soil located in the anode bed. The analytical results from this composite soil sample and information on Lat/ Long will be documented on a final report submitted to the NMOCD. A composite soil sample will be taken in the initial release area which has been excavated to a depth of seven foot bgs (7'). The Chlorides will be documented on this area to 250 mg/kg by vertical delineation and grab soil samples which will be collected at a depth greater than seven foot (7') bgs. A 20 Mil. Liner will then be placed on the floor of this excavated area.



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- A final remediation report will be provided to the NMOCD Artesia Office using form C-141. If approved, the excavation will be backfilled to grade using clean material. The backfilled area will be contoured to match the surrounding terrain.

If I can be of further assistance please call me at 575-441-7254.

Respectfully submitted,

Copy

Mike Stubblefield
Project Manager
TalonLPE- Artesia