

1R - 426-3

**See 1R426-0 for
additional General
Correspondence
that deals
with this site**

1R - 426-3

**GENERAL
CORRESPONDENCE**

**YEAR(S):
2004**



Infrastructure, buildings, environment, communications

Wayne Price
New Mexico Oil Conservation Division
1220 So. Saint Francis Drive
Santa Fe, New Mexico 87505
Sent Certified Mail

ARCADIS G&M, Inc.
1004 N. Big Spring Street
Suite 300
Midland Texas 79701
Tel 432.687.5400
Fax 432.687.5401
www.arcadis-us.com

Subject:

Investigation Workplan
Rice Operating Company Blinbry-Drinkard K-27-1 Junction Box Site
T21S, R37E, Section 27, Unit K Eunice, Lea County, New Mexico

Dear Mr. Price,

On behalf of Rice Operating Company (ROC), ARCADIS G&M respectfully submits this investigation workplan for the above-referenced site. A Junction Box Disclosure report was completed for this site on July 28, 2003 and submitted to the New Mexico Oil Conservation Division (NMOCD) per the ROC Junction Box Upgrade Workplan.

Site History and Background

The original junction box was removed and replaced with a new watertight junction box located 30 feet southwest of the original junction box location. Following removal of the junction box, soil was excavated from the site. The excavation measured 30 feet long by 25 feet wide and 16 feet deep.

Soil from the sidewalls and bottom of the excavation was sampled and analyzed for benzene, toluene, ethylbenzene, xylenes, (BTEX) GRO, DRO and chlorides. Additionally, soil samples were field tested for chlorides. Laboratory and field analytical results are shown in Tables 1 and 2. The sidewall sample consisted of a 4-point composite sample, and the bottom sample consisted of a 5-point composite sample.

Based on the results of the soil sampling analytical results, elevated chloride concentrations are present at the subject site. The excavation was backfilled with remediated excavated soil to a depth 3 feet below ground surface, and a 20-mil poly liner was installed above the backfilled, excavated soil. Three feet of clean imported soil was backfilled above the liner and the site was graded and seeded with native vegetation.

Date:

1 April 2004

Contact:

Sharon Hall

Phone:

432 687-5400

Email:

shall@arcadis-us.com

Part of a bigger picture

Proposed Investigation Workplan

A one-half mile water well inventory will be performed. The water well inventory will include a review of water well records listed on the New Mexico State Engineer Office and United States Geological Survey (USGS) websites and windmills indicated on applicable USGS topographic maps.

One soil boring will be installed at the subject site at the former junction box location. Soil samples will be collected at regular intervals no greater than five feet, screened in the field using a photo ionization detector (PID) and field tested for chlorides. Soil lithology and the presence of any observed staining or odor will be recorded. One sample, the sample collected at total depth of the boring will be submitted to a laboratory for laboratory analysis as confirmation of the field sampling.

If impacts to soil are identified in soil samples collected from the interval at which groundwater is encountered, the soil boring will be converted to a monitoring well. The monitor well will be constructed, developed and sampled in accordance with Environmental Protection Agency and NMOCD standards. A groundwater sample will be collected and submitted for laboratory analysis for chlorides, BTEX and general chemistry.

If analytical results indicate that chloride and/or BTEX concentrations exceed New Mexico Water Quality Control Commission standards, additional monitoring wells may be installed as warranted by the results of the investigation.

A report that details the investigation activities and results will be submitted to the OCD. The report will include recommendations for further action if necessary or for closure of the site.

Very Truly Yours,

ARCADIS G&M, Inc.

Sharon E. Hall

Sharon E. Hall
Site Evaluation Department Manager

Copies:

ARCADIS

Wayne Price
April 1, 2004

Carolyn Haynes- Rice Operating Company

Attachment:

Tables 1 and 2

TABLE 1
K-27-1
LABORATORY ANALYTICAL RESULTS

Sample Location	Benzene mg/kg	Toluene mg/kg	Ethylbenzene mg/kg	Total Xylenes mg/kg	GRO mg/kg	DRO mg/kg	Chlorides mg/kg
SIDEWALLS	<0.025	<0.025	<0.025	<0.025	<10.0	<10.0	3190
BOTTOM	<0.025	<0.025	<0.025	<0.025	<10.0	<10.0	3970

TABLE 2
CHLORIDE FIELD TESTS

Location	Depth (ft)	ppm
Vertical	4	850
	10	3900
	14	3200
15' N	wall comp.	2600
15' S	wall comp.	2250
15' W	wall comp.	2950
10' E	wall comp.	1900
4 wall comp.	n/a	2550
bottom comp.	16	3150
backfill	n/a	1900



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Sharon E. Hall
Site Evaluation Department Manager

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Wayne Price
November 18, 2004

Carolyn Haynes- Rice Operating Company

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Tables 1 and 2

ARCADIS

Wayne Price
November 18, 2004