

1R - 428-59

**GENERAL  
CORRESPONDENCE**

**YEAR(S):  
2008**

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**Hansen, Edward J., EMNRD**

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**From:** Dale Littlejohn [dale@rthicksconsult.com]  
**Sent:** Monday, October 13, 2008 10:05 AM  
**To:** Hansen, Edward J., EMNRD; Johnson, Larry, EMNRD  
**Cc:** Lara Weinheimer; Katie  
**Subject:** ROC Characterization of 5 Hobbs SWD Sites (1R428-52/53/59/64/75)  
**Attachments:** ROC October 22, 2008 Scope of Work.pdf

Please accept this email as notice of our intentions to conduct further site characterization drilling activities, as proposed in our April 4, 2008 ICP (approved 5/22/08), at 5 Rice Operating Hobbs SWD sites beginning at 8:00 AM on Wednesday October 22, 2008. The sites are all located in or to the west of the city of Hobbs.

A scope of work with driving directions for each site is provided on the attached PDF file. We anticipate that the activities will be completed in two to three days. Please call me if you have any questions or require additional information.

Thanks,

**Dale T Littlejohn, PG**  
**R T Hicks Consultants Ltd**  
(432) 528-3878 (office)  
(432) 689-4578 (fax)

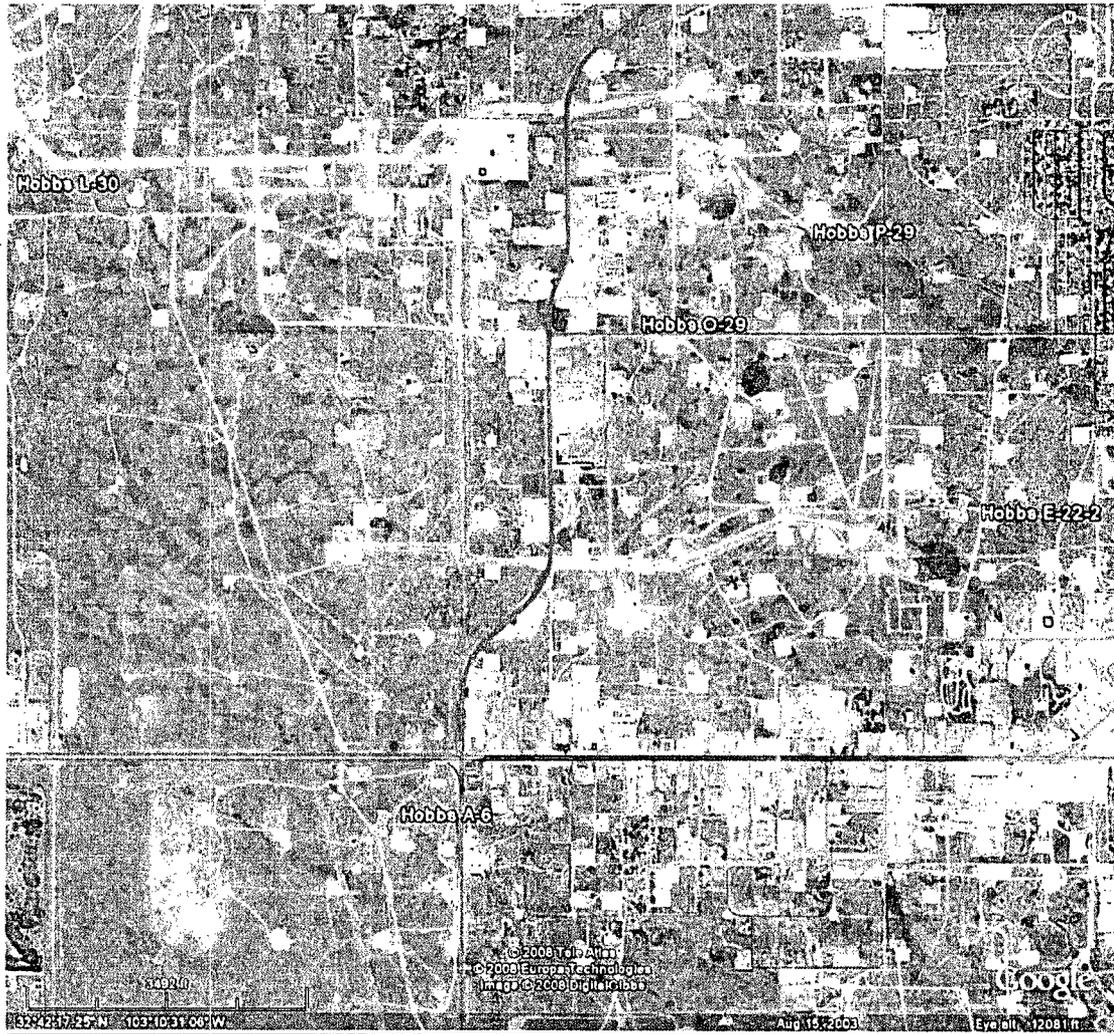
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**Scope of Work (October 22-24, 2008)**  
Rice Operating Company Hobbs Disposal System  
Five Vent / Junction Box Sites near Hobbs, NM

Scope-of-Work: At each site, 1 to 2 soil borings will be installed as depicted on the attached plates. The purpose for each boring is to provide further vertical delineation of hydrocarbon and/or chloride-impacted soil that was identified during the initial investigation. Soil samples will be recovered with a split-spoon sampler for field screening and laboratory analysis at the field technician's discretion. If the soil has been impacted by chloride only, then the samples may be recovered from cuttings. These activities are being conducted according to the Initial Characterization Plan submitted to the NMOCD on April 4, 2008 and approved on May 22, 2008.



Hobbs P-29 (T-18-S, R-38-E, Section 29, Unit P) Driving Directions: From the intersection of West County Road and West Sanger Street in Hobbs, travel east 0.4 on West Sanger Street. Turn north on the lease road and travel 0.1 miles. Turn right and travel east 0.1 miles past the battery pad. The site is on the right hand side of the lease road.

Hobbs A-6 (T-18-S, R-38-E, Section 6, Unit A) Driving Directions: From intersection of Marland and West County Road travel west 0.1 miles and turn south at yellow cattle guard. Travel 0.3 miles on the southwest lease road. Site is just east of windmill.

Hobbs E-22-2 (T-18-S, R-38-E, Section 22, Unit E) Driving Directions: From the intersection of West Sanger Street and French Road, go south on the lease road 0.4 miles. Turn east and go 0.1 miles to the end of the battery yard. Turn right and go south 250 feet to the site.

Hobbs L-30 (T-18-S, R-38-E, Section 30, Unit L) Driving Directions: From the intersection of Marland and West County Road, go west on Marland for 1 mile. Turn right by Basic Tool and travel north 1.3 miles to a "T" intersection. Turn right and go east 0.1 miles. The site is on the left side of the road across from the Latigo tank battery.

Hobbs O-29-1 (T-18-S, R-38-E, Section 29, Unit O) Driving Directions: From the intersection of West Sanger Street and West County Road, go east on West Sanger Street 0.5 miles to the fenced excavation on the north side of the road.

1R428-59

Plate 1  
 Site Detail Map  
 Rice Operating Company  
 Hobbs A-6 Vent Site  
 T-19-S R-38-E Sec. 6 (A)  
 Lea County, New Mexico

ROC Pipeline

N

Source Area (center)  
 July 31, 2008

Depth (feet)	Chloride (mg/kg)	PID (ppm)
4.0	327	85.7
5.0	131	989
6.0	257	607
7.0	280	1,099
8.0	255	909
9.0	576	1,091
10.0	253	932

5 Feet North of Source  
 July 31, 2008

Depth (feet)	Chloride (mg/kg)	PID (ppm)
1.0	72	9.4
2.0	60	10.3
3.0	201	56.2
4.0	178	55.8
5.0	88	690
6.0	70	877
7.0	66	987
8.0	83	926
9.0	161	874
10.0	109	943

5 Feet East of Source  
 July 31, 2008

Depth (feet)	Chloride (mg/kg)	PID (ppm)
1.0	95	489
2.0	151	402
3.0	177	77.3
4.0	368	36.7
5.0	417	630
6.0	505	754
7.0	218	729
8.0	279	522
9.0	327	472
10.0	264	917

5 Feet West of Source  
 August 1, 2008

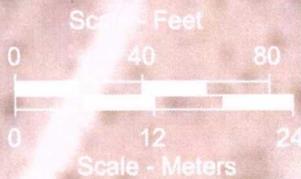
Depth (feet)	Chloride (mg/kg)	PID (ppm)
1.0	78	23.7
2.0	85	7.6
3.0	72	1.9
4.0	140	3.6
5.0	87	6.6
6.0	79	12.8
7.0	29	554
8.0	63	1,308
9.0	138	1,511
10.0	401	1,355

Verification Soil Samples  
 July 31 - August 1, 2008

Loc. Depth	Benz.	Tol.	E. Ben.	Xyls.	ORO	DRO	Cl
Case (9')	<0.2	0.288	24.5	41.1	1,570	4,650	784
Case (10')	<0.2	0.264	20.1	26.5	1,150	5,970	388
4-Pt N (2')	--	--	--	--	98.6	5,490	160
4-Pt N (10')	0.4	<0.2	18.0	<0.7	1,150	5,270	<16
4-Pt E (5')	<0.2	<0.2	<0.2	<0.7	679	4,660	400
4-Pt E (10')	<0.1	<0.1	<0.1	<0.1	503	1,660	336
4-Pt W (10')	<0.2	0.329	16.4	27.1	1,430	4,310	454
4-Pt S (10')	<0.2	0.271	2.69	14.3	918	4,740	560

5 Feet South of Source  
 August 1, 2008

Depth (feet)	Chloride (mg/kg)	PID (ppm)
1.0	38	2.9
2.0	69	4.1
3.0	73	11.8
4.0	130	684
5.0	158	1,035
6.0	176	854
7.0	199	1,031
8.0	323	491
9.0	391	511
10.0	401	781



Proposed Soil Boring Location