

AP - 47

**STAGE 1 & 2  
WORKPLANS**

**DATE:**

7-27-10

## Hansen, Edward J., EMNRD

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**From:** Hack Conder [hconder@riceswd.com]  
**Sent:** Tuesday, July 27, 2010 11:51 AM  
**To:** Hansen, Edward J., EMNRD  
**Cc:** Reed, Timothy  
**Attachments:** BD Jct. F-17 38 excavation map.pdf

Mr. Hansen

Attached is the results of soil delineation at BD Jct. F-17 AP# 47 we propose to install a 20 mill reinforced liner with the dimensions of 38' X 38' at the site 4' feet below ground surface . The liner will be padded with sand 6 inches below and above. The soil excavated will be disposed of at NMOCD approved facility or blended onsite to below 500 ppm Cl- to be utilized for backfill . The remaining backfill will be imported and amendments added to support vegetation. The site will be seeded and monitored for growth .

The monitor well was installed on July 26<sup>th</sup> 2010 and we should have sample data in the next two weeks. Once we receive approval of installation of the barrier and complete the soil work , we will write a final report of activities. If you have any questions or concerns please call me.

Hack Conder  
Environmental Manager  
Rice Operating Company  
575-393-9174  
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# Soil Data

15' North			
Depth	Cl-	PID	LAB
1	225	8.6	
2	232	23.1	
3	167	42.8	
4	252	9.6	
5	253	18.2	80
6	223	0	
7	173	0	
8	199	0	
9	234	0	
10	165	0	
11	170	0	
12	201	0	208

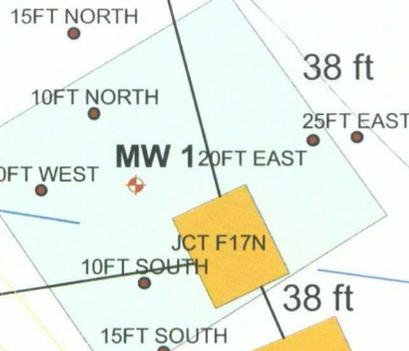
ROC line

20' East		
Depth	Cl-	PID
1	784	0
2	999	0
3	431	0
4	664	0
5	179	0
6	334	0
7	1132	0
8	451	0
9	982	0
10	956	0
11	1097	0
12	990	0
13	787	0
14	757	0

15' South		
Depth	Cl-	PID
1	413	31
2	333	22.5
3	234	16.8
4	623	9
5	920	6.9
6	215	1.3
7	252	0.6
8	141	0.2
9	148	0.2
10	139	0.1
11	547	0
12	483	0
13	880	0
14	602	0

10' North	
Depth	Cl-
5	584
7	770
9	772
11	324

Flow lines



10' West	
Depth	Cl-
5	478
11	2329

ROC line

Gas line

20' West			
Depth	Cl-	PID	LAB
1	142	18	
2	142	8.4	
3	144	8.9	
4	237	8.7	
5	281	8.9	
6	278	7.6	16
7	114	0.6	
8	145	296	
9	152	342	
10	140	370	
11	151	248	
12	138	340	
13	142	310	
14	173	293	
15	144	267	<16

ROC line

ROC line

10' South	
Depth	Cl-
3	1227
5	1662
7	2401
9	4083
11	4278

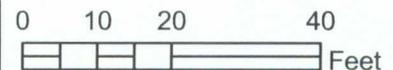
ROC line

25' East			
Depth	Cl-	PID	LAB
1	194	0	
2	221	0	
3	169	0	
4	201	0	
5	174	0	
6	252	0	
7	275	0	
8	220	0	
9	306	0	
10	316	0	
11	349	0	400
12	284	0	368



## BD Jct. F-17

Legals: UL/F, Sec. 17,  
T21S, R37E  
NMOCD Case #: AP-47



Drawing date: 7-27-10  
Drafted by: L. Weinheimer  
Revised by: T. Grieco