### 1R - 426-23

### REPORTS

DATE:

#### BD Jct I-2 2009

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 $\Delta PP - 6 2010$ 

Environmental Bureau Oil Conservation Division

#### CLOSURE

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#### RICE OPERATING COMPANY JUNCTION BOX FINAL REPORT

APD - 6 2010 Environmental Bureau

BOX LOCATION

Binestry   Section   Sec	CIMP CYCTEM	II INOTION	LINICT	CECTION	BOX LOCA		COUNT	TV DOVD	" COnson	Bureau
LAD TYPE BIM			UNIT							Depth Depth
Depth to Groundwater	1 1	Jct. I-2	11	2	22\$	36E	Lea	m	noved 30' sout	h
Date Started 7/16/2009 Date Completed 9/22/2009 OCD Witness no Soil Excavated 44.4 cubic yards Excavation Length 10 width 10 Depth 12 feet Soil Disposed 0 cubic yards Offsite Facility n/a Location Na Location Na Charles Facility National Procure Spoint composite sample of Sidewals. TPH and Chioride laboratory test results completed by using an approved lab and testing procedures pursuant to MMOCD guidelines.  Sample PD (field) GRO DRO Chloride pain maying maying maying maying maying maying maying maying 4-WALL COMP. 15.0 <10.0 173 415 Location pim maying maying maying maying maying maying sport of Sidewals. TPH and Charles Field Sport National Philadeline Sport	LAND TYPE: B	LM	STATE X	. FEE L	ANDOWNER			OTHER		
Soil Excavated 44.4 cubic yards Excavation Length 10 Width 10 Depth 12 feet Soil Disposed 0 cubic yards Offsite Facility n/a Location n/a  INAL ANALYTICAL RESULTS: Sample Date 7/16/2009 9/22/2009 Sample Depth 12 ft, 18 ft, 21 ft, 36 Frocurs 5-point composite sample of bottom and 4-point composite sample of sidewalls. TPH and Chloride laboratory test results completed by using an approved lab and testing procedures pursuant to NMCCD guidelines.  Sample PID (feld) GRO DRO Chloride samples of mg/kg mg/kg wg/kg mg/kg wg/kg wg/kg mg/kg wg/kg wg/	Depth to Ground	dwater	130	feet	NMOC	D SITE ASS	SESSME	NT RANKING S	CORE:	20*
INAL ANALYTICAL RESULTS: Sample Date 7/16/2009, 9/22/2009  Sample Depth 12 ft, 18 ft, 21 ft, 36 sidewalls. TPH and Chloride laboratory test results completed by using an approved lab and testing procedures pursant to MMCDS guidelines.  Sample PID (field) GRO DRO Chloride (aboratory) test results completed by using an approved lab and testing procedures pursant to MMCDS guidelines.  Sample PID (field) GRO DRO Chloride (aboratory) test results completed by using an approved lab and testing procedures pursant to MMCDS guidelines.  Sample PID (field) GRO DRO Chloride (aboratory) test results completed by using an approved lab and testing procedures pursant to MMCDS guidelines.  CHLORIDE FIELD TESTS  TEST Sample Page of Chloride (aboratory) and chloride field tests performed (aboratory) and chloride field tests performed on each sample yielded slightly elevated (aboratory) and chloride field tests performed on each sample yielded slightly elevated (aboratory) and chloride field tests performed on each sample yielded slightly elevated (aboratory) and chloride field tests performed on each sample yielded slightly elevated (aboratory) and chloride field tests performed on each sample yielded slightly elevated (aboratory) and chloride field tests yielded low (aboratory) and chloride presence, a soil boring was initiated 8/22/2009 at 7 ft northeast of the former junction box. The boring as advanced to 36 ft below ground surface (BGS) while soil samples were collected every 3 ft. Chloride fie	Date Started_	7/16/	2009	Date Co	ompleted	9/22/2009		CD Witness	no	
Procure 5-point composite sample of bottom and 4-point composite sample of sidewalls. TPH and Chloride laboratory test results completed by using an approved lab and testing procedures pursuant to NMOCD guidelines.    Chioride   Chloride   Ch	Soil Excavated_	44.4	cubic ya	rds <b>E</b> )	cavation Le	ngth 10	w	idth10	Depth	12feet
Procure 5-point composite sample of bottom and 4-point composite sample of sidewalls. TPH and Chloride laboratory test results completed by using an approved lab and testing procedures pursuant to NMOCD guidelines.    Sample	Soil Disposed_	0	cubic ya	rds C	Offsite Facility	n	ı/a	Location	n	/a
Sample Location PID (field) ppm mg/kg mg/k	Procure 5-point com sidewalls. TPH ar	iposite sam nd Chloride	ple of botto laboratory	om and 4-p test results	oint composi	te sample o by using an				
4-WALL COMP. 15.0 < 10.0 173 416 BOTTOM COMP. 6.3 < 10.0 310 512 BACKFILL COMP. 1.6 < 10.0 14.3 480 BACKFILL COMP. 1.6 < 10.0 12.6 512 SB #1 @ 18' 0.3 < 10.0 12.6 512 SB #1 @ 36' 0.0 < 10.0 12.5 192 SB #1 @ 36' 0.0 < 10.0 12.5 192 Seneral Description of Remedial Action: This junction was addressed during the peline replacement/upgrade program. A new, watertight junction box was built 30 ft south the former. After the former box was removed, an investigation was conducted using a excavation. Chloride field tests performed on each sample yielded slightly elevated incentrations. Organic vapors were measured using a PID which yielded low incentrations. Chabratory analysis of representative composite samples confirmed low concentrations of TPH and slightly elevated incentrations. The excavated soil was returned to the excavation to ground surface and contoured to the surrounding area. In 8/13/2009, the site was seeded with a native blend of vegetation and is expected to return to a productive capacity at a normal rate. To other investigate depth of chloride presence, a soil boring was initiated 9/22/2009 at 7 ft northeast of the former junction box. The boring as advanced to 36 ft below ground surface (BGS) while soil samples were collected every 3 ft. Chloride field tests yielded low incentrations. The 18 ft, 21 ft, and 36 ft samples were analyzed by a commercial laboratory for chloride and TPH which confirmed low incentrations of each. The entire bore hole was plugged with bentonite to the ground surface.  **RIPORT** INTEREST**	approved lab ar	nd testing p	rocedures	pursuant to	NMOCD gu	idelines.				
4-WALL COMP. 15.0 < 10.0 173 416  BOTTOM COMP. 6.3 < 10.0 310 512  BACKFILL COMP. 1.6 < 10.0 14.3 480  SB #1 @ 18° 0.3 < 10.0 12.6 512  SB #1 @ 36° 0.0 < 10.0 13.1 1.280  SB #1 @ 36° 0.0 < 10.0 12.5 192  Beneral Description of Remedial Action: This junction was addressed during the peline replacement/upgrade program. A new, watertight junction box was built 30 ft south the former. After the former box was removed, an investigation was conducted using a local collect soil samples at regular intervals producing a 10x10x12-ft deep cavation. Chloride field tests performed on each sample yielded slightly elevated an encentrations. Laboratory analysis of representative composite samples confirmed low concentrations of Chloride. The excavated soil was returned to the excavation to ground surface and contoured to the surrounding area. In 8/13/2009, the site was seeded with a native blend of vegetation and is expected to return to a productive capacity at a normal rate. To other investigate depth of chloride presence, a soil boring was initiated 9/22/2009 at 7 ft northeast of the former junction box. The boring as advanced to 36 ft below ground surface (BGS) while soil samples were collected every 3 ft. Chloride field tests yielded low necentrations. The 18 ft, 21 ft, and 36 ft samples were analyzed by a commercial laboratory for chloride and TPH which confirmed low necentrations of each. The entire bore hole was plugged with bentonite to the ground surface.  **Nindmill is located 912 ft southeast of the site.**  **I HEREBY CERTIFY THAT THE INFORMATION ABOVE IS TRUE AND COMPLETE TO THE BEST OF MY KNOWLEDGE AND BELIEF.**  **ESUPERVISOR**  **EPORT ASSEMBLED BY Katie Jones**  **INITIAL**  **NoWLEDGE AND BELIEF.**  **COMPANY RICE OPERATING COMPAN RECOMPANT RE	•	,	' i			1		LOCATION	DEPTH	mg/kg
BACKFILL COMP. 1.6 <10.0 14.3 480  SB # 1 @ 18' 0.3 <10.0 12.6 512  SB # 1 @ 21' 6.0 <10.0 13.1 1,280  SB # 1 @ 36' 0.0 <10.0 12.5 192  Beneral Description of Remedial Action: This junction was addressed during the professional professiona								4-wall comp.	n/a	297
SB # 1 @ 18' 0.3 < 10.0 12.6 512 SB # 1 @ 21' 6.0 < 10.0 13.1 1,280 SB # 1 @ 36' 0.0 < 10.0 12.5 192  Seneral Description of Remedial Action: This junction was addressed during the peline replacement/upgrade program. A new, watertight junction box was built 30 ft south the former. After the former box was removed, an investigation was conducted using a triple for the junction to collect soil samples at regular intervals producing a 10x10x12-ft deep cavation. Chloride field tests performed on each sample yielded slightly elevated according to the incentrations. Organic vapors were measured using a PID which yielded low incentrations. Laboratory analysis of representative composite samples confirmed low concentrations of TPH and slightly elevated incentrations of chloride. The excavated soil was returned to the excavation to ground surface and contoured to the surrounding area. In 8/13/2009, the site was seeded with a native blend of vegetation and is expected to return to a productive capacity at a normal rate. To other investigate depth of chloride presence, a soil boring was initiated 9/22/2009 at 7 ft northeast of the former junction box. The boring as advanced to 36 ft below ground surface (BGS) while soil samples were collected every 3 ft. Chloride field tests yielded low incentrations. The 18 ft. 21 ft, and 36 ft samples were analyzed by a commercial laboratory for chloride and TPH which confirmed low incentrations of each. The entire bore hole was plugged with bentonite to the ground surface.  If HEREBY CERTIFY THAT THE INFORMATION ABOVE IS TRUE AND COMPLETE TO THE BEST OF MY KNOWLEDGE AND BELIEF.  If ESUPERVISOR Fig. Garrison SIGNATURE not available COMPANY RICE OPERATING COMPANY RICE OPERATING COMPANY RICE OPERATING COMPANY RICE OPERATING COMPANY ASSEMBLED BY Katle Jones INITIAL Company Report Assemble Device of the site.	ВОТТОМ СОМР.	6.3	<1	0.0	310	512	[	bottom comp.	12'	444
SB #1 @ 21' 6.0 <10.0 13.1 1,280 SB #1 @ 36' 0.0 <10.0 12.5 192  SOIL BORING 21' 638 aneral Description of Remedial Action: This junction was addressed during the peline replacement/upgrade program. A new, watertight junction box was built 30 ft south the former. After the former box was removed, an investigation was conducted using a lockhoe to collect soil samples at regular intervals producing a 10x10x12-ft deep cavation. Chloride filed tests performed on each sample yielded slightly elevated nonentrations. Organic vapors were measured using a PID which yielded low nonentrations of chloride. The excavated soil was returned to the excavation to ground surface and contoured to the surrounding area. In 8/13/2009, the site was seeded with a native blend of vegetation and is expected to return to a productive capacity at a normal rate. To other investigate depth of chloride presence, a soil boring was initiated 9/22/2009 at 7 ft northeast of the former junction box. The boring as advanced to 36 ft below ground surface (BGS) while soil samples were collected every 3 ft. Chloride field tests yielded low nonentrations. The 18 ft, 21 ft, and 36 ft samples were analyzed by a commercial laboratory for chloride and TPH which confirmed low nonentrations of each. The entire bore hole was plugged with bentonite to the ground surface.  Windmill is located 912 ft southeast of the site.  I HEREBY CERTIFY THAT THE INFORMATION ABOVE IS TRUE AND COMPLETE TO THE BEST OF MY KNOWLEDGE AND BELIEF.  I HEREBY CERTIFY THAT THE INFORMATION ABOVE IS TRUE AND COMPLETE TO THE BEST OF MY KNOWLEDGE AND BELIEF.  I HEREBY CERTIFY THAT THE INFORMATION ABOVE IS TRUE AND COMPLETE TO THE BEST OF MY KNOWLEDGE AND BELIEF.  I HEREBY CERTIFY THAT THE INFORMATION ABOVE IS TRUE AND COMPLETE TO THE BEST OF MY KNOWLEDGE AND BELIEF.	BACKFILL COMP.	1.6	<1	0.0	14.3	480		backfill comp.	n/a	300
SB # 1 @ 36' 0.0 <10.0 12.5 192  Seneral Description of Remedial Action: This junction was addressed during the peline replacement/upgrade program. A new, watertight junction box was built 30 ft south the former. After the former box was removed, an investigation was conducted using a the former box was removed, an investigation was conducted using a cavation. Chloride field tests performed on each sample yielded slightly elevated solicy and using a PID which yielded low incentrations. Organic vapors were measured using a PID which yielded low incentrations. Laboratory analysis of representative composite samples confirmed low concentrations of TPH and slightly elevated incentrations. Laboratory analysis of representative composite samples confirmed low concentrations of TPH and slightly elevated incentrations. It is the was seeded with a native blend of vegetation and is expected to return to a productive capacity at a normal rate. To their investigate depth of chloride presence, a soil boring was initiated 9/22/2009 at 7 ft northeast of the former junction box. The boring is advanced to 36 ft below ground surface (BGS) while soil samples were collected every 3 ft. Chloride field tests yielded low incentrations. The 18 ft, 21 ft, and 36 ft samples were analyzed by a commercial laboratory for chloride and TPH which confirmed low incentrations of each. The entire bore hole was plugged with bentonite to the ground surface.  Windmill is located 912 ft southeast of the site.  HEREBY CERTIFY THAT THE INFORMATION ABOVE IS TRUE AND COMPLETE TO THE BEST OF MY KNOWLEDGE AND BELIEF.  HEREBY CERTIFY THAT THE INFORMATION ABOVE IS TRUE AND COMPLETE TO THE BEST OF MY KNOWLEDGE AND BELIEF.  I HEREBY CERTIFY THAT THE INFORMATION ABOVE IS TRUE AND COMPLETE TO THE BEST OF MY KNOWLEDGE AND BELIEF.  I HEREBY CERTIFY THAT THE INFORMATION ABOVE IS TRUE AND COMPLETE TO THE BEST OF MY KNOWLEDGE AND BELIEF.	SB # 1 @ 18'	0.3	<1	0.0	12.6	512		background	6"	206
SOIL BORING at 7 ft northeast of the junction of Remedial Action: This junction was addressed during the peline replacement/upgrade program. A new, watertight junction box was built 30 ft south the former. After the former box was removed, an investigation was conducted using a ckhoe to collect soil samples at regular intervals producing a 10x10x12-ft deep cavation. Chloride field tests performed on each sample yielded slightly elevated accordance.  Company vanalysis of representative composite samples confirmed low concentrations of TPH and slightly elevated accordance.  By 13/2009, the site was seeded with a native blend of vegetation and is expected to return to a productive capacity at a normal rate. To ther investigate depth of chloride presence, a soil boring was initiated 9/22/2009 at 7 ft northeast of the former junction box. The boring as advanced to 36 ft below ground surface (BGS) while soil samples were collected every 3 ft. Chloride field tests yielded low incentrations. The 18 ft, 21 ft, and 36 ft samples were analyzed by a commercial laboratory for chloride and TPH which confirmed low incentrations of each. The entire bore hole was plugged with bentonite to the ground surface.  Windmill is located 912 ft southeast of the site.  I HEREBY CERTIFY THAT THE INFORMATION ABOVE IS TRUE AND COMPLETE TO THE BEST OF MY KNOWLEDGE AND BELIEF.  E SUPERVISOR  Eric Garrison  SIGNATURE  not available  COMPANY RICE OPERATING COMPAN REPORT ASSEMBLED BY  Katie Jones  INITIAL	SB #1 @ 21'	6.0	<1	0.0	13.1	1,280	[		15'	297
the former. After the former box was removed, an investigation was conducted using a characteristic soil samples at regular intervals producing a 10x10x12-ft deep cavation. Chloride field tests performed on each sample yielded slightly elevated accordinations. Organic vapors were measured using a PID which yielded low incentrations. Laboratory analysis of representative composite samples confirmed low concentrations of TPH and slightly elevated incentrations of chloride. The excavated soil was returned to the excavation to ground surface and contoured to the surrounding area. It is advanced to 36 ft below ground surface (BGS) while soil samples were collected every 3 ft. Chloride field tests yielded low incentrations. The 18 ft, 21 ft, and 36 ft samples were analyzed by a commercial laboratory for chloride and TPH which confirmed low incentrations. The 18 ft, 21 ft, and 36 ft samples were analyzed by a commercial laboratory for chloride and TPH which confirmed low incentrations of each. The entire bore hole was plugged with bentonite to the ground surface.  I HEREBY CERTIFY THAT THE INFORMATION ABOVE IS TRUE AND COMPLETE TO THE BEST OF MY KNOWLEDGE AND BELIEF.  I HEREBY CERTIFY THAT THE INFORMATION ABOVE IS TRUE AND COMPLETE TO THE BEST OF MY KNOWLEDGE AND BELIEF.  I HEREBY CERTIFY THAT THE INFORMATION ABOVE IS TRUE AND COMPLETE TO THE BEST OF MY KNOWLEDGE AND BELIEF.  I HEREBY CERTIFY THAT THE INFORMATION ABOVE IS TRUE AND COMPLETE TO THE BEST OF MY KNOWLEDGE AND BELIEF.  I HEREBY CERTIFY THAT THE INFORMATION ABOVE IS TRUE AND COMPLETE TO THE BEST OF MY KNOWLEDGE AND BELIEF.  I HEREBY CERTIFY THAT THE INFORMATION ABOVE IS TRUE AND COMPLETE TO THE BEST OF MY KNOWLEDGE AND BELIEF.  I HEREBY CERTIFY THAT THE INFORMATION ABOVE IS TRUE AND COMPLETE TO THE BEST OF MY KNOWLEDGE AND BELIEF.  I HEREBY CERTIFY THAT THE INFORMATION ABOVE IS TRUE AND COMPLETE TO THE BEST OF MY KNOWLEDGE AND BELIEF.	SB # 1 @ 36'	0.0	<1	0.0	12.5	192			18'	683
poeline replacement/upgrade program. A new, watertight junction box was built 30 ft south the former. After the former box was removed, an investigation was conducted using a lockhoe to collect soil samples at regular intervals producing a 10x10x12-ft deep accavation. Chloride field tests performed on each sample yielded slightly elevated accavations. Organic vapors were measured using a PID which yielded low incentrations. Laboratory analysis of representative composite samples confirmed low concentrations of TPH and slightly elevated incentrations of chloride. The excavated soil was returned to the excavation to ground surface and contoured to the surrounding area. In 8/13/2009, the site was seeded with a native blend of vegetation and is expected to return to a productive capacity at a normal rate. To other investigate depth of chloride presence, a soil boring was initiated 9/22/2009 at 7 ft northeast of the former junction box. The boring is advanced to 36 ft below ground surface (BGS) while soil samples were collected every 3 ft. Chloride field tests yielded low incentrations. The 18 ft, 21 ft, and 36 ft samples were analyzed by a commercial laboratory for chloride and TPH which confirmed low incentrations of each. The entire bore hole was plugged with bentonite to the ground surface.  **Windmill is located 912 ft southeast of the site.**  I HEREBY CERTIFY THAT THE INFORMATION ABOVE IS TRUE AND COMPLETE TO THE BEST OF MY KNOWLEDGE AND BELIEF.  TE SUPERVISOR Fire Garrison SIGNATURE not available COMPANY RICE OPERATING COMPANY RECOMPANY RECOMPANY RECOMPANY RECOMPANY RECOMPANY ASSEMBLED BY Katie Jones INITIAL COMPANY RECOMPANY RECOMPANY RECOMPANY RECOMPANY RECOMPANY RECOMPANY ASSEMBLED BY Katie Jones INITIAL COMPANY RECOMPANY RECOMPAN	·····							SOIL BORING	21'	638
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the former. After the former box was removed, an investigation was conducted using a loxhoe to collect soil samples at regular intervals producing a 10x10x12-ft deep 33' 362 acavation. Chloride field tests performed on each sample yielded slightly elevated 36' 349 incentrations. Organic vapors were measured using a PID which yielded low incentrations. Laboratory analysis of representative composite samples confirmed low concentrations of TPH and slightly elevated incentrations of chloride. The excavated soil was returned to the excavation to ground surface and contoured to the surrounding area. In 8/13/2009, the site was seeded with a native blend of vegetation and is expected to return to a productive capacity at a normal rate. To other investigate depth of chloride presence, a soil boring was initiated 9/22/2009 at 7 ft northeast of the former junction box. The boring is advanced to 36 ft below ground surface (BGS) while soil samples were collected every 3 ft. Chloride field tests yielded low incentrations. The 18 ft, 21 ft, and 36 ft samples were analyzed by a commercial laboratory for chloride and TPH which confirmed low incentrations of each. The entire bore hole was plugged with bentonite to the ground surface.  Windmill is located 912 ft southeast of the site.  I HEREBY CERTIFY THAT THE INFORMATION ABOVE IS TRUE AND COMPLETE TO THE BEST OF MY KNOWLEDGE AND BELIEF.  I HEREBY CERTIFY THAT THE INFORMATION ABOVE IS TRUE AND COMPLETE TO THE BEST OF MY KNOWLEDGE AND BELIEF.  I ESUPERVISOR Fire Garrison SIGNATURE not available COMPANY RICE OPERATING COMPANY ASSEMBLED BY Katle Jones INITIAL ASSEMBLED BY Katle Jones INITIAL	peline replacement/upgr	ade program	n. A new, wa	tertight junc	tion box was b	uilt 30 ft sout	th		27'	448
cavation. Chloride field tests performed on each sample yielded slightly elevated  36' 349  ncentrations. Organic vapors were measured using a PID which yielded low  ncentrations. Laboratory analysis of representative composite samples confirmed low concentrations of TPH and slightly elevated  ncentrations of chloride. The excavated soil was returned to the excavation to ground surface and contoured to the surrounding area.  18/13/2009, the site was seeded with a native blend of vegetation and is expected to return to a productive capacity at a normal rate. To  18/13/2009, the site was seeded with a native blend of vegetation and is expected to return to a productive capacity at a normal rate. To  18/13/2009, the site was seeded with a native blend of vegetation and is expected to return to a productive capacity at a normal rate. To  18/13/2009, the site was seeded with a native blend of vegetation and is expected to return to a productive capacity at a normal rate. To  18/13/2009, the site was seeded with a native blend of vegetation and is expected to return to a productive capacity at a normal rate. To  18/13/2009, the site was seeded with a native blend of vegetation and is expected to return to a productive capacity at a normal rate. To  18/13/2009, the site was seeded with a native blend of vegetation and is expected to return to a productive capacity at a normal rate. To  18/13/13/2009, the site was seeded with a native blend of vegetation and is expected to return to a productive capacity at a normal rate. To  18/13/2009, the site was seeded with a native blend of vegetation and is expected to return to a productive capacity at a normal rate. To  18/13/2009, the site was seeded with a native blend of vegetation and is expected to return to a productive capacity at a normal rate. To  18/13/2009, the site was seeded with a native blend of vegetation and sometimes of the normal rate. To  18/13/2009, the site was seeded with a native blend of vegetation and sometimes of the normal rate. To  18/13/2009, the	the former. After the fo	rmer box wa	s removed,	an investigat	ion was condu	ucted using a		-	30'	371
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ncentrations. Laboratory analysis of representative composite samples confirmed low concentrations of TPH and slightly elevated necentrations of chloride. The excavated soil was returned to the excavation to ground surface and contoured to the surrounding area.  18/13/2009, the site was seeded with a native blend of vegetation and is expected to return to a productive capacity at a normal rate. To other investigate depth of chloride presence, a soil boring was initiated 9/22/2009 at 7 ft northeast of the former junction box. The boring is advanced to 36 ft below ground surface (BGS) while soil samples were collected every 3 ft. Chloride field tests yielded low incentrations. The 18 ft, 21 ft, and 36 ft samples were analyzed by a commercial laboratory for chloride and TPH which confirmed low incentrations of each. The entire bore hole was plugged with bentonite to the ground surface.  Windmill is located 912 ft southeast of the site.  Enclosures: photos, boring log, lab results, PID (field) screenings, chloride cultivations in the site of the site.  I HEREBY CERTIFY THAT THE INFORMATION ABOVE IS TRUE AND COMPLETE TO THE BEST OF MY KNOWLEDGE AND BELIEF.  ESUPERVISOR Eric Garrison SIGNATURE not available COMPANY RICE OPERATING COMPANA ASSEMBLED BY Katie Jones INITIAL	cavation. Chloride field	tests perfor	med on each	sample yiel	ded slightly ele	evated			36'	349
ncentrations of chloride. The excavated soil was returned to the excavation to ground surface and contoured to the surrounding area.  18/13/2009, the site was seeded with a native blend of vegetation and is expected to return to a productive capacity at a normal rate. To other investigate depth of chloride presence, a soil boring was initiated 9/22/2009 at 7 ft northeast of the former junction box. The boring is advanced to 36 ft below ground surface (BGS) while soil samples were collected every 3 ft. Chloride field tests yielded low incentrations. The 18 ft, 21 ft, and 36 ft samples were analyzed by a commercial laboratory for chloride and TPH which confirmed low incentrations of each. The entire bore hole was plugged with bentonite to the ground surface.  Windmill is located 912 ft southeast of the site.  enclosures: photos, boring log, lab results, PID (field) screenings, chloride cultivations in the production of the site.  I HEREBY CERTIFY THAT THE INFORMATION ABOVE IS TRUE AND COMPLETE TO THE BEST OF MY KNOWLEDGE AND BELIEF.  TE SUPERVISOR Eric Garrison SIGNATURE not available COMPANY RICE OPERATING COMPANY ASSEMBLED BY Katie Jones INITIAL	ncentrations. Organic	vapors were	measured u	sing a PID w	vhich yielded k	ow				
in 8/13/2009, the site was seeded with a native blend of vegetation and is expected to return to a productive capacity at a normal rate. To other investigate depth of chloride presence, a soil boring was initiated 9/22/2009 at 7 ft northeast of the former junction box. The boring is advanced to 36 ft below ground surface (BGS) while soil samples were collected every 3 ft. Chloride field tests yielded low incentrations. The 18 ft, 21 ft, and 36 ft samples were analyzed by a commercial laboratory for chloride and TPH which confirmed low incentrations of each. The entire bore hole was plugged with bentonite to the ground surface.  Windmill is located 912 ft southeast of the site.  enclosures: photos, boring log, lab results, PID (field) screenings, chloride cultivations of the site.  I HEREBY CERTIFY THAT THE INFORMATION ABOVE IS TRUE AND COMPLETE TO THE BEST OF MY KNOWLEDGE AND BELIEF.  TE SUPERVISOR Eric Garrison SIGNATURE not available COMPANY RICE OPERATING COMPANY ASSEMBLED BY Katie Jones INITIAL	ncentrations. Laborator	y analysis o	f representa	tive composi	te samples co	nfirmed low o	concentra	tions of TPH and	slightly eleva	ted
ther investigate depth of chloride presence, a soil boring was initiated 9/22/2009 at 7 ft northeast of the former junction box. The boring is advanced to 36 ft below ground surface (BGS) while soil samples were collected every 3 ft. Chloride field tests yielded low incentrations. The 18 ft, 21 ft, and 36 ft samples were analyzed by a commercial laboratory for chloride and TPH which confirmed low incentrations of each. The entire bore hole was plugged with bentonite to the ground surface.  Windmill is located 912 ft southeast of the site.  enclosures: photos, boring log, lab results, PID (field) screenings, chloride cultivations in the properties of the site.  I HEREBY CERTIFY THAT THE INFORMATION ABOVE IS TRUE AND COMPLETE TO THE BEST OF MY KNOWLEDGE AND BELIEF.  TE SUPERVISOR Eric Garrison SIGNATURE not available COMPANY RICE OPERATING COMPANA ASSEMBLED BY Katie Jones INITIAL	ncentrations of chloride	. The excav	ated soil was	s returned to	the excavation	n to ground s	urface an	d contoured to the	e surrounding	g area.
s advanced to 36 ft below ground surface (BGS) while soil samples were collected every 3 ft. Chloride field tests yielded low incentrations. The 18 ft, 21 ft, and 36 ft samples were analyzed by a commercial laboratory for chloride and TPH which confirmed low incentrations of each. The entire bore hole was plugged with bentonite to the ground surface.  Vindmill is located 912 ft southeast of the site.  enclosures: photos, boring log, lab results, PID (field) screenings, chloride cultivations and the site of the site.  I HEREBY CERTIFY THAT THE INFORMATION ABOVE IS TRUE AND COMPLETE TO THE BEST OF MY KNOWLEDGE AND BELIEF.  TE SUPERVISOR Fric Garrison SIGNATURE not available COMPANY RICE OPERATING COMPANY ASSEMBLED BY Katie Jones INITIAL	8/13/2009, the site wa	s seeded wi	th a native b	end of vege	tation and is e	xpected to ret	turn to a p	roductive capacit	y at a normal	rate. To
ncentrations. The 18 ft, 21 ft, and 36 ft samples were analyzed by a commercial laboratory for chloride and TPH which confirmed low incentrations of each. The entire bore hole was plugged with bentonite to the ground surface.  Vindmill is located 912 ft southeast of the site.  enclosures: photos, boring log, lab results, PID (field) screenings, chloride cultures: photos, boring log, lab results, PID (field) screenings, chloride cultures: photos, boring log, lab results, PID (field) screenings, chloride cultures: photos, boring log, lab results, PID (field) screenings, chloride cultures: photos, boring log, lab results, PID (field) screenings, chloride cultures: photos, boring log, lab results, PID (field) screenings, chloride cultures: photos, boring log, lab results, PID (field) screenings, chloride cultures: photos, boring log, lab results, PID (field) screenings, chloride cultures: photos, boring log, lab results, PID (field) screenings, chloride cultures: photos, boring log, lab results, PID (field) screenings, chloride cultures: photos, boring log, lab results, PID (field) screenings, chloride cultures: photos, boring log, lab results, PID (field) screenings, chloride cultures: photos, boring log, lab results, PID (field) screenings, chloride cultures: photos, boring log, lab results, PID (field) screenings, chloride cultures: photos, boring log, lab results, PID (field) screenings, chloride cultures: photos,	ther investigate depth of	of chloride pr	esence, a so	oil boring wa	s initiated 9/22	2/2009 at 7 ft	northeast	of the former jun	ction box. Th	ne boring
I HEREBY CERTIFY THAT THE INFORMATION ABOVE IS TRUE AND COMPLETE TO THE BEST OF MY  KNOWLEDGE AND BELIEF.  TE SUPERVISOR Eric Garrison SIGNATURE not available COMPANY RICE OPERATING COMPANATION ASSEMBLED BY Katie Jones INITIAL	s advanced to 36 ft belo	ow ground s	urface (BGS	) while soil s	samples were	collected eve	ry 3 ft. C	hloride field tests	yielded low	
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I HEREBY CERTIFY THAT THE INFORMATION ABOVE IS TRUE AND COMPLETE TO THE BEST OF MY KNOWLEDGE AND BELIEF.  TE SUPERVISOR <u>Eric Garrison</u> SIGNATURE <u>not available</u> COMPANY <u>RICE OPERATING COMPAN</u> REPORT ASSEMBLED BY <u>Katie Jones</u> INITIAL	Vindmill is located 912 f	t southeast	of the site.							
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	REPORT	Katie Iones			(Y)			<del></del>		
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## **BD Jct. I-2** Unit I, Section 2, T22S, R36E



7/17/2009



seeding the backfilled site, facing east









drilling SB #1

9/22/2009



Page 2 of 2

Logger: Driller: Consultant: Drilling Method: Start Date: End Date:

Tony Grieco Harrison & Cooper, Inc. Drilling None - junction box upgrade plan Air rotary 9/22/2009 9/22/2009

Project Name:

Well ID:

BD jct. I-2

SB #1

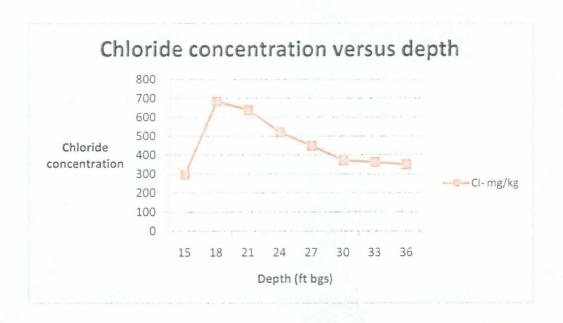
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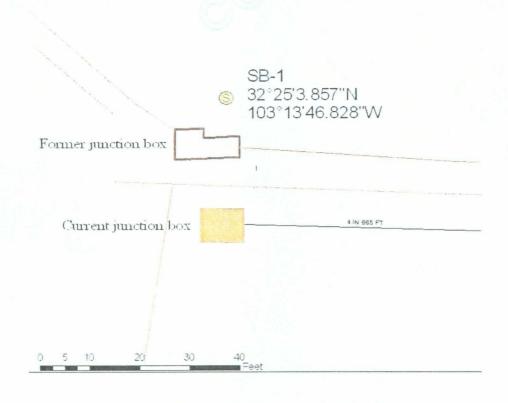
UL/I sec. 2 T22S R36E County: Lea

Lat: N32°25'3.857"

=1100 = 00001	0/22/2000
Comments: All sar	nples from cuttings.
Located 7 ft NE of the	e former junction box site.
	Drafted by: Lara Weinheimer
TD = 36	ft Estimated Depth to GW = 130

	TD = 36	5 ft		Estimated Depth to GW = 130 ft	Long: W103°13'4	46.828" State: NM
Depth (feet)	chloride field tests	LAB	PID	Description	Lithology	Well Construction
15	297		0.8			
18	683	CI- 512 GRO <10.0	0.3			
		DRO 12.6		15 - 36 ft		
21	638	CI- 1280 GRO	6	VERY FINE TO FINE SAND		
		<10.0 DRO		brownish-orange, dry		
		13.1				
24	520		0.2			bentonite
27	448		0.2			seal
30	371		0			
33	362		0			
36	349	CI- 192 GRO	0			
		<10.0 DRO 12.5				







ANALYTICAL RESULTS FOR RICE OPERATING COMPANY

ATTN: HACK CONDER

122 W. TAYLOR HOBBS, NM 88240

FAX TO: (575) 397-1471

Receiving Date: 09/23/09 Reporting Date: 09/25/09

Project Owner: NOT GIVEN

Project Name: BD I-2

Project Location: NOT GIVEN

Sampling Date: 09/22/09

Sample Type: SOIL

Sample Condition: COOL & INTACT

Sample Received By: ML Analyzed By: AB/HM

C<sub>6</sub>-C<sub>10</sub>

DRO

(>C<sub>10</sub>-C<sub>28</sub>)

CI\*

LAB NUMBER SAMPLE ID

(mg/kg)

(mg/kg)

(mg/kg)

ANALYSIS DATE	09/24/09	09/24/09	09/24/09
H18301-1 SB 1 18'	<10.0	12.6	512
H18301-2 SB 1 21'	<10.0	13.1	1,280
H18301-3 SB 1 36'	<10.0	12.5	192
Quality Control	473	507	500
True Value QC	500	500	500
% Recovery	94.6	101	100
Relative Percent Difference	2.4	1.2	<0.1

METHODS: TPH GRO & DRO: EPA SW-846 8015 M; CI: Std. Methods 4500-CIB \*Analyses performed on 1:4 w:v aqueous extracts. Reported on wet weight.

Chemist

Date

H18301 TCL RICE

# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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† Cardinal cannot accept verbal changes. Please fax written changes to 505-393-2476

#### RICE OPERATING COMPANY

122 West Taylor ~ Hobbs, NM 88240 PHONE: (575) 393-9174 FAX: (575) 397-1471 PID METER CALIBRATION & FIELD REPORT FORM

CK		MODEL: PGN		RIAL NO: 590-00			
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ANALYTICAL RESULTS FOR RICE OPERATING COMPANY ATTN: ERIC GARRISON 122 W. TAYLOR

HOBBS, NM 88240

Receiving Date: 07/17/09
Reporting Date: 07/20/09
Project Number: NOT GIVEN
Project Name: BD JCT I-2
Project Location: BD JCT I-2

a OPN

Sampling Date: 07/16/09 Sample Type: SOIL

Sample Condition: INTACT Sample Received By: CK

Analyzed By: AB

GRO DRO  $(C_{e}-C_{10})$  (> $C_{10}-C_{28})$  CI\* (mg/kg) (mg/kg) (mg/kg)

LAB NUMBER SAMPLE ID

ANALYSIS [	DATE	07/18/09	07/18/09	07/17/09
H17832-1	BACKFILL	<10.0	14.3	480
H17832-2	5PT BTTM @ 12'	<10.0	310	512
H17832-3	4 WALL COMP @ 10X10	<10.0	173	416
	<del></del> .		500	
Quality Cont	rol	503	582	490
True Value C	QC	500	500	500
% Recovery		101	116	98.0
Relative Per	cent Difference	17.7	8.4	<0.1

METHODS: TPH GRO & DRO: EPA SW-846 8015 M; CI: Std. Methods 4500-CIB \*Analyses performed on 1:4 w:v aqueous extracts.

Reported on wel weight.

Chemist

07/20/09

# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

ARDINAL LABORATORIES
101 East Marland, Hobbs, NM 88240 2111 Beechwood, Abilene, TX 79603

(505) 393-2326 FAX (505) 393-2476 (325) 673-7001 FAX (325)673-7020

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#### RICE OPERATING COMPANY

Check Model Number:

122 West Tayor Hobbs, NM 88240 PHONE: (575) 393-9174 FAX: (575) 397-1471

Serial No: 590-000183

Model: PGM 7300

#### PID METER CALIBRATION & FIELD REPORT FORM

		b: 590-000508 b: 590-000504		Model: PGM 7600 Model: PGM 7600	Serial No: 110-01374 Serial No: 110-01361
	GAS COMPOSITIO	N: ISOBUTY	LENE 100PPM/AIR		
LOT NO:	3425		EXPIRATION DAT	E: 03 - 25 - 25 -	
FILL DATE: 0	2-25-08		METER READING	ACCURACY: 100	1 00
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I verify that I have calibrated the above instrument in accordance to the manufacture operation manual.

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DATE: 7-16 - 3

Serial No.: 110-023920

Model: PGM 7600

## **BD JCt. 1-2** Unit 'I', Sec. 2, T22S, R36E

Soil Bore samples at 7 ft northeast of the junction (source)

G  ] ppm	297	683	638	520	448	112	362	349
Depth bas (ft)	15	18	21	24	27	30	33	36



