APPENDIX E

BORING LOGS

DRILLING LOG OF WELL/BORING NO. MW-01 (TP04)

Project/Location:	Poles, Inc. / Oldtown, Idaho	Total Depth of Hole (feet BGS):	85.5
Boring Location:	North of treatment building.	Ground Elevation (feet above MSL):	N/A
		Inner Casing Elevation (TOC):	N/A
Date Started/Finished:	August 27, 2001 - August 28, 2001	Groundwater Depth (feet BGS):	
Drilling Contractor:	Environmental West Exploration, Inc	First Encountered: ▽ 78.7	Final: ▼ N/A
Drill Method:	8.25" OD Hollow Stem Auger with 10" Dia Wing Bit	Geologist:	P. D. James, Jr., PG

ELEVATION / DEPTH (feet)	WELL COMPLETION DIAGRAM	GRAPHIC LOG	SOIL/ROCK DESCRIPTION	Sample Interval	Sample Recovery (feet)	L.E.L. Breathing Zone (%)	PID Soil Headspace (ppm)	Blow Counts (300 Lbs)	COMMENTS
Ground Surface Elevation N/A	*Heavy Gauged Steel Protective Flush-Mount Casing*		*ground surface (gs)*						
	3.0' Diameter Concrete Pad		Rounded coarse to fine GRAVELLY SAND (SWG), uniformly to variably light gray to brown in color, well graded, dry. (2.0)		1.3	N/A	0.0	15 16 12 15	Collected analytical sample TP04SS (0-0.5 feet bgs). Noted "petroleum/hydraulic oil" like odor.
	8.25" Diameter Borehole		Subrounded fine to coarse GRAVELLY SAND (SWG), uniformly dark grayish brown in color, well graded, dry.		N/A	N/A	0.0	N/A	Noted 2-inch diameter metal pipe collar within soil cuttings.
	Schedule 40 PVC Riser (2-inch ID)				N/A	N/A	0.0	N/A	Noted strong "mineral spirit" like odor.
	Hydrated Sodium Bentonite Seal		(10.0) Subrounded fine to coarse GRAVELLY SAND (SWG), uniformly brown in color, well graded, moist. (12.0)		1.6	N/A	0.0	10 12 15 15	Collected analytical sample TP04SB1 (10-12 feet bgs). Noted strong "mineral spirit" like odor with sheen.
			Subrounded fine to coarse GRAVELLY SAND (SWG), uniformly strong brown in color, well graded, moist. (15.0)		N/A	N/A	0.0	N/A	
			Subrounded fine to medium SAND (SP) with trace fine gravel, uniformly strong brown in color, poorly graded, dry.		N/A	N/A	0.0	N/A	Noted "mineral spirit" like odor.

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Site Name/Location: Poles, Inc. / Oldtown, Idaho
Well Number: MW-01 (TP04)

DRILLING LOG OF WELL/BORING NO. MW-01 (TP04)

Project/Location: Poles, Inc. / Oldtown, Idaho

Total Depth of Hole (feet BGS): 65.5

ELEVATION / DEPTH (feet)	WELL COMPLETION DIAGRAM	GRAPHIC LOG	SOIL/ROCK DESCRIPTION	Sample Interval	Sample Recovery (feet)	LEL Breathing Zone (%)	PID Soil Reading (ppm)	Blow Count (330 lbs)	COMMENTS
20.0	8.25" Diameter Borehole; Schedule 40 PVC Riser (2-inch ID); Hydrated Sodium Bentonite Seal		Subrounded fine to medium SAND (SP) with 10% silt, uniformly brown in color, poorly graded, dry.		N/A	N/A	0.0	N/A	Noted slight "mineral spirit" like odor.
25.0			Subrounded fine to coarse SAND (SW) with 10% silt, uniformly brown in color, well graded, dry.		N/A	N/A	0.0	N/A	Noted slight "mineral spirit" like odor.
30.0			Subrounded fine to medium SILTY SAND (SM), uniformly brown in color, poorly graded, dry.		N/A	N/A	0.0	N/A	Noted slight "mineral spirit" like odor.
					N/A	N/A	0.0	N/A	Noted slight "mineral spirit" like odor.
40.0			Subrounded fine to coarse SAND (SW) with trace fine gravel and silt, uniformly light brown in color, poorly graded, dry.		N/A	N/A	0.0	N/A	Noted slight "mineral spirit" like odor.

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Site Name/Location: Poles, Inc. / Oldtown, Idaho
Well Number: MW-01 (TP04)

DRILLING LOG OF WELL/BORING NO. MW-01 (TP04)

Project/Location: Poles, Inc. / Oldtown, Idaho

Total Depth of Hole (feet BGS): 65.5

ELEVATION / DEPTH (feet)	WELL COMPLETION DIAGRAM	GRAPHIC LOG	SOIL/ROCK DESCRIPTION	Sample Interval	Sample Recovery (feet)	LEL Breathing Zone (%)	PID Soil Reading (ppm)	Blow Counts (300 Lbs)	COMMENTS
45.0	6.25" Diameter Borehole; Schedule 40 PVC Riser (2-inch ID); Hydrated Sodium Bentonite Seal		Subrounded fine to coarse GRAVELLY SAND (SWG) with trace silt, uniformly light brown in color, well to moderately graded, dry.		N/A	N/A	0.0	N/A	
					N/A	N/A	0.0	N/A	
55.0			Rounded fine to coarse GRAVELLY SAND (SWG), uniformly light reddish brown in color, well to moderately graded, dry.		2.0	N/A	0.0	14 25 25 38	
56.3									
57.0			Subrounded fine to medium SAND (SP), uniformly light brown in color, poorly graded, dry.		N/A	N/A	0.0	N/A	Noted "mineral spirit" like odor.
			Rounded fine to coarse GRAVELLY SAND (SWG), uniformly light brown in color, well graded, dry.						
60.0			Rounded fine to coarse GRAVELLY SAND (SWG), uniformly light reddish brown in color, well graded, dry.		2.0	N/A	0.0	20 30 35 45	
62.0			Subrounded fine to coarse GRAVELLY SAND (SWG) with trace silt, uniformly light reddish brown in color, well graded, dry to moist.		2.0	N/A	0.0	20 30 45 40	
					2.0	N/A	0.0	24 31 34 37	
66.0			Rounded fine to coarse GRAVELLY SAND (SWG), variably brown to reddish brown in color, well graded,		N/A	N/A	0.0	N/A	
					2.0	N/A	0.0	75	

DRILLING LOG OF WELL/BORING NO. MW-01 (TP04)

Project/Location: Poles, Inc. / Oldtown, Idaho

Total Depth of Hole (feet BGS): 85.5

ELEVATION / DEPTH (feet)	WELL COMPLETION DIAGRAM	GRAPHIC LOG	SOIL/ROCK DESCRIPTION	Sample Interval	Sample Recovery (feet)	LEL Breathing Zone (%)	PID Soil Heading (ppm)	Blow Counts (300 Lbs)	COMMENTS
	10/20-Mesh Silica Sand Filter Pack		dry.					45 50/5 N/A	
					2.0	N/A	0.0	18 35 45 40	
			71.0						
	Schedule 40 PVC 0.010-inch Slotted Screen (2-inch ID)		Subrounded fine to coarse GRAVELLY SAND (SWG), uniformly light reddish brown in color, well graded, moist.		2.0	N/A	0.0	18 30 50/5 N/A	
					2.0	N/A	0.0	20 38 48 40	
			75.0						
			Subrounded fine to coarse SILTY SAND (SM), uniformly light olive brown in color, poorly graded, moist.		2.0	N/A	0.0	14 30 35 45	
			77.0						
			Subrounded fine to medium SAND (SP) with 10% silt, uniformly olive brown in color, poorly graded, moist to wet.		1.8	N/A	0.0	17 30 45 30	Collected analytical sample TP04SB2 (77.7-78.7 feet bgs). Encountered groundwater at 78.7 feet bgs.
			79.0						
			Subrounded fine to medium SAND (SP) with trace gravel and silt, uniformly olive brown in color, poorly graded, wet.		N/A	N/A	0.0	N/A	Collected analytical groundwater sample TP04GW.
	PVC Bottom Cap		85.5						
			End of boring at 85.5 feet bgs.						

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Site Name/Location: Poles, Inc. / Oldtown, Idaho
Well Number: MW-01 (TP04)

DRILLING LOG OF WELL/BORING NO. MW-02 (TP05)

Project/Location:	Poles, Inc. / Oldtown, Idaho	Total Depth of Hole (feet BGS):	85.5
Boring Location	South of treatment building, adjacent to wood treatment vessel.	Ground Elevation (feet above MSL)	N/A
		Inner Casing Elevation (TOC)	N/A
Date Started/Finished:	August 28, 2001 - August 29, 2001	Groundwater Depth (feet BGS):	
Drilling Contractor.	Environmental West Exploration, Inc.	First Encountered: ▽ 78.8	Final: ▼ N/A
Drill Method:	8.25" OD Hollow Stem Auger with 10" Dia Wing Bit	Geologist:	P. D. James, Jr., PG

ELEVATION / DEPTH (feet)	WELL COMPLETION DIAGRAM	GRAPHIC LOG	SOIL/ROCK DESCRIPTION	SAMPLE Interval	Sample Recovery (feet)	% LEL Breathing Zone (%)	PID Soil Reading (ppm)	Blow Counts (300 Lbs)	COMMENTS
Ground Surface Elevation N/A	*Heavy Gauged Steel Protective Flush-Mount Casing*		*ground surface (gs)*						
	3.0' Diameter Concrete Pad		Rounded coarse to fine GRAVELLY SAND (SWG), uniformly brown in color, well graded, dry. Noted wood fragments throughout.		1.0	N/A	0.1	10 20 50/5 N/A	Collected analytical sample TP05SS (0-0.5 feet bgs). Noted some wood fragments.
2.0	*8.25" Diameter Borehole*		Rounded fine to coarse SANDY GRAVEL (GWS), uniformly brown in color, well graded, dry.		N/A	N/A	0.0	N/A	
5.0	*Schedule 40 PVC Riser (2-inch ID)*		Subrounded fine to coarse GRAVELLY SAND (SWG) with trace silt, uniformly brown in color, well to moderately graded, moist.		N/A	N/A	0.0	N/A	
10.0	*Hydrated Sodium Bentonite Seal*		Subrounded fine to coarse GRAVELLY SAND (SWG) with trace silt, uniformly brown in color, well graded, moist.		N/A	N/A	0.1	N/A	
15.0			Subrounded fine to coarse GRAVELLY SAND (SWG) with trace silt, uniformly dark brownish yellow in color, well graded, moist.		N/A	N/A	2.1	N/A	Noted "diesel fuel" like odor.

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Site Name/Location: Poles, Inc. / Oldtown, Idaho
Well Number: MW-02 (TP05)

DRILLING LOG OF WELL/BORING NO. MW-02 (TP05)

Project/Location: Poles, Inc. / Oldtown, Idaho

Total Depth of Hole (feet BGS): 85.5

ELEVATION / DEPTH (feet)	WELL COMPLETION DIAGRAM	GRAPHIC LOG	SOIL/ROCK DESCRIPTION	Sample Interval	Sample Recovery (feet)	LEL Breathing Zone (%)	PID Soil Reading (ppm)	Blow Counts (300 lbs)	COMMENTS
20.0									
			Subrounded fine to coarse SAND (SW) with trace fine gravel, uniformly light brown in color, well graded, moist.		2.0	N/A	0.4	9 18 27 24	Noted slight "diesel fuel" like odor.
22.0									
	8.25" Diameter Borehole		Subrounded fine to medium SAND (SP) with 10% fine gravel and trace silt, uniformly light brown in color, moderately graded, moist.		N/A	N/A	3.6	N/A	Noted pungent odor.
	Schedule 40 PVC Riser (2-inch ID)				N/A	N/A	1.7	N/A	Noted pungent odor.
	Hydrated Sodium Bentonite Seal								
30.0									
			Subrounded fine to medium SAND (SP) with trace silt, uniformly brown in color, poorly graded, moist.		N/A	N/A	1.7	N/A	Noted strong pungent odor.
35.0									
			Subrounded fine to medium SILTY SAND (SM), uniformly light olive brown in color, poorly graded, moist.		2.0	N/A	0.3	11 20 27 30	Collected analytical sample TP05SB1 (36-37 feet bgs). Noted odor, staining and sheening with slight weathering appearance (36.5-37.0 feet bgs).
					N/A	N/A	0.3	N/A	
40.0									
			Subrounded fine to coarse SAND (SP) with 10% fine gravel and trace silt, uniformly light brown in color, poorly graded, moist		N/A	N/A	0.2	N/A	Noted strong pungent odor.

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Site Name/Location: Poles, Inc. / Oldtown, Idaho
Well Number: MW-02 (TP05)

DRILLING LOG OF WELL/BORING NO. MW-02 (TP05)

Project/Location: Poles, Inc. / Oldtown, Idaho

Total Depth of Hole (feet BGS): 65.5

ELEVATION	DEPTH (feet)	WELL COMPLETION DIAGRAM	GRAPHIC LOG	SOIL/ROCK DESCRIPTION	Sample Interval	Sample Recovery (feet)	LEL Breathing Zone (%)	PID Start Reading (ppm)	Blow Counts (300 Lbs)	COMMENTS
	43									
	44									
	45					N/A	N/A	0.3	N/A	Noted strong pungent odor.
	46									
	47									
	48	8.25" Diameter Borehole								
	49									
	50					N/A	N/A	0.1	N/A	Noted strong pungent odor.
	51	Schedule 40 PVC Riser (2-inch ID)								
	52									
	53									
	54	Hydrated Sodium Bentonite Seal								
	55					N/A	N/A	1.7	N/A	Noted strong pungent odor.
	56									
	57									
	58									
	59			60.0						
	60			Rounded fine SAND (SP), uniformly reddish yellow in color, poorly graded, dry.		N/A	N/A	0.4	N/A	Noted slight odor.
	61									
	62									
	63									
	64									
	65					N/A	N/A	1.1	N/A	Noted slight odor.
	66									
	67									

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Region 10

Site Name/Location: Poles, Inc. / Oldtown, Idaho
Well Number: MW-02 (TP05)

DRILLING LOG OF WELL/BORING NO. MW-02 (TP05)

Project/Location: Poles, Inc. / Oldtown, Idaho

Total Depth of Hole (feet BGS): 85.5

ELEVATION	DEPTH (feet)	WELL COMPLETION DIAGRAM	GRAPHIC LOG	SOIL/ROCK DESCRIPTION	Sample Number	Sample Recovery (feet)	LEL Breathing Zone (%)	PID Soil Reading (ppm)	Blow Counts (300 Lbs)	COMMENTS
		10/20-Mesh Silica Sand Filter Pack								
	70.0			Rounded fine to coarse GRAVELLY SAND (SWG), variably brown (fine grained) to white (coarse grained) in color, well graded, dry.		N/A	N/A	0.5	N/A	Noted strong pungent odor.
		Schedule 40 PVC 0.010-inch Slotted Screen (2-inch ID)		During augering, it appeared a cobble layer was encountered from 71 to 74 feet bgs.						
						N/A	N/A	0.5	N/A	Noted strong pungent odor.
	78.0			Subrounded fine to coarse SILTY SAND (SM), uniformly weak reddish brown in color, poorly graded, moist to wet		2.0	N/A	0.0	15 30 35 45	Collected analytical sample TP05SB2 (78-79 feet bgs). Encountered groundwater at 78.6 feet bgs.
	80.0			Subrounded fine to coarse SILTY SAND (SM), uniformly weak reddish brown in color, poorly graded, wet.		N/A	N/A	0.0	N/A	Collected analytical groundwater sample TP05GW.
		PVC Bottom Cap								
	85.5			End of boring at 85.5 feet bgs.						

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Site Name/Location: Poles, Inc. / Oldtown, Idaho
Well Number: MW-02 (TP05)

DRILLING LOG OF WELL/BORING NO. MW-03 (TP06)

Project/Location:	Poles, Inc. / Oldtown, Idaho	Total Depth of Hole (feet BGS):	85.5
Boring Location	East of treatment building	Ground Elevation (feet above MSL):	N/A
		Inner Casing Elevation (TOC):	N/A
Date Started/Finished	August 28, 2001 - August 29, 2001	Groundwater Depth (feet BGS):	
Drilling Contractor:	Environmental West Exploration, Inc.	First Encountered: ▽ 78.0	Final: ▼ N/A
Drill Method:	8.25" OD Hollow Stem Auger with 10" Dia Wing Bit	Geologist:	P. D. James, Jr., PG

Ground Surface Elevation N/A

WELL COMPLETION DIAGRAM: Heavy Gauged Steel Protective Flush-Mount Casing; 3.0' Diameter Concrete Pad; 8.25" Diameter Borehole; Schedule 40 PVC Riser (2-inch ID); Hydrated Sodium Bentonite Seal

GRAPHIC LOG / SOIL/ROCK DESCRIPTION	Sample Interval	Sample Recovery (feet)	LEL Breathing Zone (%)	PID Soil Reading (ppm)	Blow Counts (300 Lbs)	COMMENTS
ground surface (gs)						
0 – 1.0: Rounded fine to coarse GRAVELLY SAND (SWG), variably pale yellow to black in color, well graded, dry. Noted wood fragments throughout.		1.5	N/A	0.1	17, 20, 17, 20	Collected analytical sample TP0655 (0-0.5 feet bgs). Noted wood fragments at 1.0 feet bgs
1.0 – 2.0: Subrounded fine SANDY SILT, uniformly pale yellow in color, poorly sorted, dry.		N/A	N/A	0.0	N/A	
2.0 – 5.0: Rounded fine to coarse SILTY SAND (SM) with 20% fine subrounded gravel, uniformly light olive brown in color, poorly graded, dry.		N/A	N/A	0.0	N/A	
5.0 – 10.0: Rounded fine to coarse SILTY SAND (SM), uniformly light yellowish brown in color, poorly graded, moist.		N/A	N/A	0.0	N/A	
10.0 – 15: Subrounded fine to coarse GRAVELLY SAND (SWG), uniformly light yellowish brown in color, well graded, moist.		N/A	N/A	0.0	N/A	
15 – 18		N/A	N/A	0.0	N/A	

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Site Name/Location: Poles, Inc. / Oldtown, Idaho
Well Number: MW-03 (TP06)

DRILLING LOG OF WELL/BORING NO. MW-03 (TP06)

Project/Location: Poles, Inc. / Oldtown, Idaho

Total Depth of Hole (feet BGS): 85.5

ELEVATION / DEPTH (feet)	WELL COMPLETION DIAGRAM	GRAPHIC LOG	SOIL/ROCK DESCRIPTION	Sampling Interval	Sample Recovery (feet)	LEL Breathing Zone (%)	PID Soil Reading (ppm)	Blow Counts (300 Lbs)	COMMENTS
20			20.0						
	6.25" Diameter Borehole		Subrounded fine to coarse GRAVELLY SAND (SWG) with 5% silt, uniformly olive brown in color, well graded, moist.		N/A	N/A	0.1	N/A	
25			25.0						
	Schedule 40 PVC Riser (2-inch ID)		Subrounded fine to coarse SAND (SW) with 10% fine gravel and silt, uniformly olive brown in color, well graded, moist		N/A	N/A	0.0	N/A	
30	Hydrated Sodium Bentonite Seal				N/A	N/A	0.0	N/A	
35			35.0						
			Subrounded fine to medium SAND (SP) with 10% silt, uniformly light olive brown in color, moderately graded, moist.		N/A	N/A	0.1	N/A	
40			40.0						
			Subrounded fine to medium SILTY SAND (SM), uniformly olive yellow in color, poorly graded, dry.		N/A	N/A	0.2	N/A	

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Region 10

Site Name/Location: Poles, Inc. / Oldtown, Idaho
Well Number: MW-03 (TP06)

DRILLING LOG OF WELL/BORING NO. MW-03 (TP06)

Project/Location: Poles, Inc. / Oldtown, Idaho

Total Depth of Hole (feet BGS): 85.5

ELEVATION / DEPTH (feet)	WELL COMPLETION DIAGRAM	GRAPHIC LOG	SOIL/ROCK DESCRIPTION	Sample Interval	Sample Recovery (feet)	C.E. Breathing Zone (%)	PID Soil Screening (ppm)	Blow Counts (300 Lbs)	COMMENTS
45.0									
			Subrounded fine to coarse GRAVELLY SAND (SWG) with 10% silt, uniformly olive brown in color, well graded, dry.		2.0	N/A	0.0	5 30 25 30	Collected analytical sample TP06SB1 (45-47 feet bgs)
	8.25" Diameter Borehole				N/A	N/A	0.0	N/A	
50.0									
	Schedule 40 PVC Riser (2-inch ID)		Subrounded fine to medium GRAVELLY SAND (SWG), uniformly olive brown in color, well graded, coarsening downwards, dry.		N/A	N/A	0.0	N/A	
	Hydrated Sodium Bentonite Seal				N/A	N/A	0.0	N/A	
					N/A	N/A	0.0	N/A	
65.0									
			Rounded fine SILTY SAND (SM), uniformly light olive brown in color, poorly graded, dry.		N/A	N/A	0.0	N/A	

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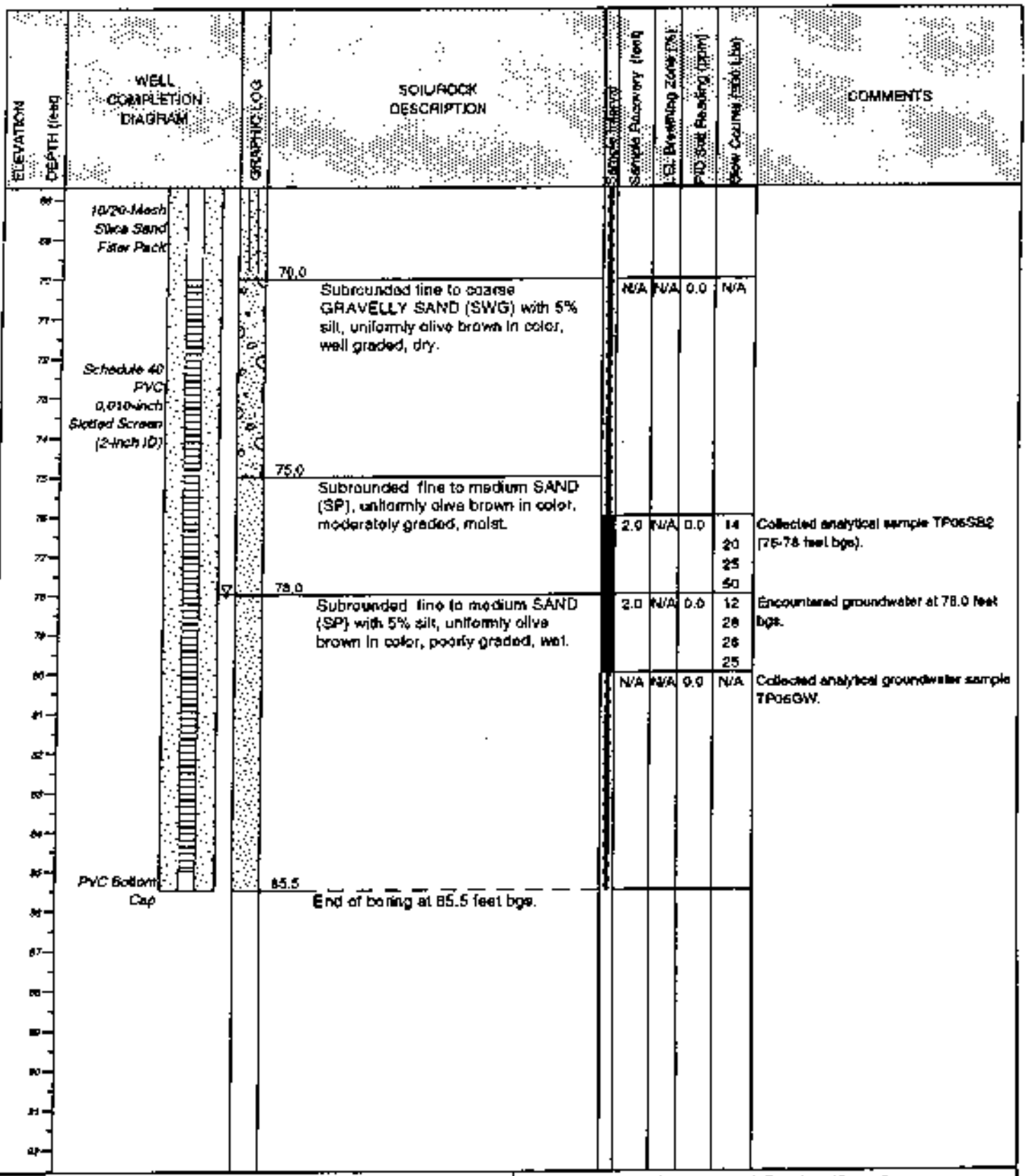
Site Name/Location: Poles, Inc. / Oldtown, Idaho
Well Number: MW-03 (TP06)

DRILLING LOG OF WELL/BORING NO. MW-03 (TP06)

Project/Location: Poles, Inc. / Oldtown, Idaho

Total Depth of Hole (feet BGS): 85.5



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Site Name/Location: Poles, Inc. / Oldtown, Idaho
Well Number: MW-03 (TP06)

DRILLING LOG OF WELL/BORING NO. TP07

Project/Location	Poles, Inc. / Oldtown, Idaho	Total Depth of Hole (feet BGS)	80
Boring Location:	South of treatment building, adjacent to wood treatment vessel	Ground Elevation (feet above MSL):	N/A
		Inner Casing Elevation (TOC):	N/A
Date Started/Finished:	August 29, 2001 - August 30, 2001	Groundwater Depth (feet BGS):	
Drilling Contractor:	Environmental West Exploration, Inc	First Encountered: ▽ 79.5	Final: ▼ N/A
Drill Method	8.25" OD Hollow Stem Auger with 10" Dia Wing Bit	Geologist:	P. D. James, Jr., PG

ELEVATION / DEPTH (feet)	WELL COMPLETION DIAGRAM	GRAPHIC LOG	SOIL/ROCK DESCRIPTION	Sample Interval	Sample Recovery (feet)	H.E. Breathing Zone (%)	PID Soil Reading (ppm)	Blow Counts (300 Lbs)	COMMENTS
Ground Surface Elevation N/A			ground surface (gs)						
0–5			Subrounded/subangular fine to coarse GRAVELLY SAND (SWG), uniformly brown in color, well graded, moist.		N/A	N/A	0.0	N/A	
5–10	8.25" Diameter Borehole; Borehole plugged with hydrated sodium bentonite (3/8" chips)		Subrounded fine to coarse SAND (SW) with 10% fine gravel and silt, uniformly light olive brown in color, well graded, dry.		N/A	N/A	0.0	N/A	
10–15			Subrounded fine to coarse GRAVELLY SAND (SWG) with 10% silt, uniformly light olive brown in color, well graded, dry.		N/A	N/A	0.0	N/A	
15–18			Subrounded fine to coarse GRAVELLY SAND (SWG), uniformly brown in color, well graded, moist.		N/A	N/A	0.7	N/A	Noted strong pungent odor.

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Site Name/Location: Poles, Inc. / Oldtown, Idaho
Well Number: TP07

DRILLING LOG OF WELL/BORING NO. TP07

Project/Location: Poles, Inc. / Oldtown, Idaho

Total Depth of Hole (feet BGS): 80

ELEVATION / DEPTH (feet)	WELL COMPLETION DIAGRAM	GRAPHIC LOG	SOIL/ROCK DESCRIPTION	Sample Interval	Sample Recovery (feet)	LEL Breathing Zone (%)	PID Soil Heading (ppm)	Blow Counts (300 Lbs)	COMMENTS
20.0	8.25" Diameter Borehole		Subrounded fine to coarse GRAVELLY SAND (SWG) with 10% silt, uniformly brown in color, well graded, dry.		N/A	N/A	1.7	N/A	Noted strong pungent odor with slight sheen.
25.0	Borehole plugged with hydrated sodium bentonite (3/8" chips)		Subrounded fine to coarse GRAVELLY SAND (SWG) with 10% silt, uniformly brown in color, well graded, moist.		N/A	N/A	1.7	N/A	Noted strong pungent odor with sheen.
					N/A	N/A	2.5	N/A	Noted strong pungent odor with sheen.
35.0			Subrounded fine to coarse SILTY SAND (SM) with gravel, uniformly brown in color, poorly graded, moist.		2.0	N/A	2.5	16 17 45 40	Collected analytical sample TP07SB1 (36-37 feet bgs).
36.9 37.0			Subrounded fine SILTY SANDSTONE (SM), uniformly olive brown in color, well cemented, poorly graded, dry to moist.		N/A	N/A	0.0	N/A	
			Subrounded fine to coarse SANDY GRAVEL (GWS), uniformly dark yellowish brown in color, well graded, wet.		2.0	N/A	0.0	18 25 30 40	Collected TPH field screen sample (40-42 feet bgs). Noted sheening and staining with strong pungent odor.
42.0			Subrounded fine to coarse SAND		N/A	N/A	0.0	N/A	Noted pungent odor with sheen.

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Site Name/Location: Poles, Inc. / Oldtown, Idaho
Well Number: TP07

DRILLING LOG OF WELL/BORING NO. TP07

Project/Location: Poles, Inc. / Oldtown, Idaho

Total Depth of Hole (feet BGS): 80

ELEVATION / DEPTH (feet)	WELL COMPLETION DIAGRAM	GRAPHIC LOG	SOIL/ROCK DESCRIPTION	Sample Interval	Sample Recovery (feet)	LEL Breathing Zone (%)	PID Soil Reading (ppm)	Blow Counts (300 Lbs)	COMMENTS
			(SW) with 10% fine to medium gravel and silt, uniformly dark yellow brown in color, well graded, moist.						
					N/A	N/A	0.0	N/A	Noted pungent odor with sheen
	8.25" Diameter Borehole								
			50.0						
			Subrounded fine to coarse SANDY GRAVEL (GWS), uniformly brown in color, well graded, moist		2.0	N/A	0.3	12 15 20 30	Collected TPH field screen sample (50-52 feet bgs). Noted sheening and strong pungent odor.
			51.3 Subrounded fine to medium SAND (SP) with trace silt, uniformly yellow brown in color, poorly graded, moist.		N/A	N/A	0.3	N/A	Noted pungent odor.
			55.0						
			Subrounded fine to coarse GRAVELLY SAND (SWG) with trace silt, uniformly dark greyish brown in color, well graded, dry.		N/A	N/A	1.5	N/A	Noted slight odor.
					N/A	N/A	1.5	N/A	Noted slight odor.
	Borehole plugged with hydrated sodium bentonite (3/8" chips).								
			65.0						
			Subrounded fine to coarse GRAVELLY SAND (SWG) with 20% silt, uniformly brown in color, well graded, moist.		N/A	N/A	2.7	N/A	Noted slight odor.

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U.S. Enviromental Protection Agency
Region 10

Site Name/Location: Poles, Inc. / Oldtown, Idaho
Well Number: TP07

DRILLING LOG OF WELL/BORING NO. TP07

Project/Location: Poles, Inc. / Oldtown, Idaho

Total Depth of Hole (feet BGS): 80

ELEVATION	DEPTH (feet)	WELL COMPLETION DIAGRAM	GRAPHIC LOG	SOIL/ROCK DESCRIPTION	Sample Interval	Sample Recovery (feet)	LEL Breathing Zone (%)	PID Soil Reading (ppm)	Blow Counts (300 Lbs)	COMMENTS
	70	8.25" Diameter Borehole		70.0 Subrounded fine to coarse SAND (SW) with 10% fine gravel and silt, uniformly brown in color, well graded, moist.		N/A	N/A	1.6	N/A	Noted slight odor.
	75	Borehole plugged with hydrated sodium bentonite (3/8" chips)		75.0 Subrounded fine to coarse SANDY GRAVEL (GWS), uniformly light brown in color, well graded, dry.		N/A	N/A	0.6	N/A	Noted slight odor.
	78			78.0 Subrounded fine SAND (SP) with 10% silt, uniformly light brown in color, poorly graded, moist to wet.		2.0	N/A	0.0	14 28 35 38	Collected analytical sample TP07SB2 (78-79.5 feet bgs). Encountered groundwater at 79.5 feet bgs.
	80			80.0 End of boring at 80.0 feet bgs.						

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Region 10

Site Name/Location: Poles, Inc. / Oldtown, Idaho
Well Number: TP07

DRILLING LOG OF WELL/BORING NO. TP08

Project/Location:	Poles, Inc. / Oldtown, Idaho	Total Depth of Hole (feet BGS):	85
Boring Location:	South of treatment building, within pole processing yard	Ground Elevation (feet above MSL):	N/A
		Inner Casing Elevation (TOC):	N/A
Date Started/Finished:	August 29, 2001 - August 30, 2001	Groundwater Depth (feet BGS):	
Drilling Contractor:	Environmental West Exploration, Inc	First Encountered: ▽ 76.9	Final: ▼ N/A
Drill Method:	8.25" OD Hollow Stem Auger with 10" Dia Wing Bit	Geologist:	P. D. James, Jr., PG

ELEVATION / DEPTH (feet)	WELL COMPLETION DIAGRAM	GRAPHIC LOG	SOIL/ROCK DESCRIPTION	Sample Interval	Sample Recovery (feet)	LEL Breathing Zone (%)	PID Slot Reading (ppm)	Blow Counts (3inl 6in)	COMMENTS
Ground Surface Elevation N/A			ground surface (gs)						
			Subrounded fine to medium SAND (SW) with 10% fine gravel and silt, uniformly olive brown in color, moderately graded, dry.		N/A	N/A	0.0	N/A	
			5.0						
	8.25" Diameter Borehole		Subrounded fine to medium SAND (SP) with 10% silt, uniformly yellow brown in color, poorly graded, dry.		N/A	N/A	0.0	N/A	
	Borehole plugged with hydrated sodium bentonite (3/8" chips)		10.0						
			Subrounded fine to coarse GRAVELLY SAND (SWG), uniformly light olive brown in color, well graded, dry.		N/A	N/A	0.0	N/A	
					N/A	N/A	0.0	N/A	

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U.S. Enviromental Protection Agency
Region 10

Site Name/Location: Poles, Inc. / Oldtown, Idaho
Well Number: TP08

DRILLING LOG OF WELL/BORING NO. TP08

Project/Location: Poles, Inc / Oldtown, Idaho

Total Depth of Hole (feet BGS): 85

ELEVATION / DEPTH (feet)	WELL COMPLETION DIAGRAM	GRAPHIC LOG	SOIL/ROCK DESCRIPTION	Sample Interval	Sample Recovery (feet)	I.D. Breathing Zone (%)	PID Soil Reading (ppm)	Blow Counts (300 Lbs)	COMMENTS
20			20.0						
21	6.25" Diameter Borehole		Subrounded fine to coarse GRAVELLY SAND (SWG), uniformly olive brown in color, well graded, dry.		N/A	N/A	0.0	N/A	Noted pungent odor.
25					N/A	N/A	0.0	N/A	Noted pungent odor.
27	Borehole plugged with hydrated sodium bentonite (3/8" chips)								
30			30.0						
			Subrounded fine to medium SAND (SP), uniformly light olive brown in color, poorly graded, moist.		N/A	N/A	0.0	N/A	Noted strong pungent odor with sheen.
			35.0						
			Subrounded fine to coarse SAND (SP) with 10% silt, uniformly olive brown in color, moderately graded, dry.		2.0	N/A	0.0	35 40 30 35	Collected analytical sample TP08SB1 (35-37 feet bgs). Noted sheening with weathering appearance, staining and strong pungent odor.
			37.0 Noted intermittent cemented sand lenses from 35 to 36 feet bgs. Subrounded fine to medium SILTY SAND (SM), uniformly light olive brown in color, poorly graded, moist.		N/A	N/A	0.1	N/A	Noted pungent odor with slight sheen.
			40.0						
			Subrounded fine to coarse GRAVELLY SAND (SWG) with 5% silt, uniformly yellow brown in color, well graded, dry.		N/A	N/A	0.2	N/A	Noted pungent odor.

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U.S. Enviromental Protection Agency
Region 10

Site Name/Location: Poles, Inc. / Oldtown, Idaho
Well Number: TP08

DRILLING LOG OF WELL/BORING NO. TP08

Project/Location: Poles, Inc. / Oldtown, Idaho

Total Depth of Hole (feet BGS): 85

ELEVATION / DEPTH (feet)	WELL COMPLETION DIAGRAM	GRAPHIC LOG	SOIL/ROCK DESCRIPTION	Sample Interval	Sample Recovery (feet)	LEL Breathing Zone (%)	PID Soil Reading (ppm)	Blow Counts (300 Lbs)	COMMENTS
45	8.25" Diameter Borehole		45.0 Subrounded fine to medium SILTY SAND (SM) with 5% fine gravel, uniformly yellow brown in color, moderately graded, moist.		N/A	N/A	1.2	N/A	Noted pungent odor.
50					N/A	N/A	1.1	N/A	Noted slight odor.
55			55.0 Subrounded fine to coarse GRAVELLY SAND (SWG) with 10% silt, uniformly olive brown in color, well graded, dry.		N/A	N/A	0.0	N/A	Noted slight odor.
60	Borehole plugged with hydrated sodium bentonite (3/8" chips)				N/A	N/A	0.0	N/A	Noted slight odor.
65			65.0 Subrounded fine to medium SAND (SP) with 10% fine gravel and silt, uniformly olive brown in color, moderately graded, dry.		N/A	N/A	0.0	N/A	Noted slight odor.

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Region 10

Site Name/Location: Poles, Inc. / Oldtown, Idaho
Well Number: TP08

DRILLING LOG OF WELL/BORING NO. TP08

Project/Location: Poles, Inc. / Oldtown, Idaho

Total Depth of Hole (feet BGS): 85

ELEVATION / DEPTH (feet)	WELL COMPLETION DIAGRAM	GRAPHIC LOG	SOIL/ROCK DESCRIPTION	Sample Number	Sample Recovery (feet)	LEL Breathing Zone (%)	PID Soil Reading (ppm)	Blow Counts (300 Lbs)	COMMENTS
68									
69									
70			70.0						
71	8.25" Diameter Borehole		Subrounded fine to medium SILTY SAND (SM) with 10% fine gravel, uniformly olive brown in color, moderately graded, dry.		N/A	N/A	0.0	N/A	
72									
73									
74	Borehole plugged with hydrated sodium bentonite (3/8" chips)		75.0						
75			Subrounded fine to medium SAND (SP) with 10% silt, uniformly olive brown in color, moderately graded, moist to wet.		2.0	N/A	0.3	37 43 35 40	Collected analytical sample TP08SB2 (75-77 feet bgs). Encountered groundwater at 76.9 feet bgs.
76									
77			77.0						
78			Subrounded fine to coarse SAND (SW) with 10% fine gravel and silt, uniformly olive brown in color, well graded, wet.		N/A	N/A	0.0	N/A	
79									
80					N/A	N/A	0.0	N/A	Collected analytical groundwater sample TP08GW.
81									
82									
83									
84									
85			85.0 End of boring at 85.0 feet bgs.						
86									
87									
88									
89									
90									
91									
92									

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U.S. Enviromental Protection Agency
Region 10

Site Name/Location: Poles, Inc. / Oldtown, Idaho
Well Number: TP08

DRILLING LOG OF WELL/BORING NO. TP09

Project/Location:	Poles, Inc / Oldtown, Idaho	Total Depth of Hole (feet BGS):	85
Boring Location	West of treatment building, adjacent to wood treatment vessel	Ground Elevation (feet above MSL):	N/A
		Inner Casing Elevation (TOC)	N/A
Date Started/Finished:	August 30, 2001 - August 30, 2001	Groundwater Depth (feet BGS):	
Drilling Contractor:	Environmental West Exploration, Inc	First Encountered: ▽ 79.0	Final: ▼ N/A
Drill Method:	8.25" OD Hollow Stem Auger with 10" Dia Wing Bit	Geologist:	P. D. James, Jr., PG

ELEVATION / DEPTH (feet)	WELL COMPLETION DIAGRAM	GRAPHIC LOG	SOIL/ROCK DESCRIPTION	SAMPLE Interval	Sample Recovery (feet)	LEL Breathing Zone (%)	PID Soil Headspace (ppm)	Blow Counts (300 Lb)	COMMENTS
Ground Surface Elevation N/A			ground surface (gs)						
			Subrounded fine to coarse GRAVELLY SAND (SWG), uniformly brown in color, well graded, dry.		1.5	N/A	0.0	8 11 16 8	Collected analytical sample TP09SS (0-0.5 feet bgs).
			2.0 Subrounded fine to coarse GRAVELLY SAND (SWG) with 10% silt, uniformly dark brown in color, well graded, dry.		N/A	N/A	0.0	N/A	
	8.25" Diameter Borehole		5.0 Subrounded fine to coarse GRAVELLY SAND (SWG), uniformly brown in color, well graded, moist.		N/A	N/A	0.0	N/A	
	Borehole plugged with hydrated sodium bentonite (3/8" chips)		10.0 Subrounded fine to coarse GRAVELLY SAND (SWG) with 5% silt, uniformly brown in color, well graded, dry.		N/A	N/A	0.0	N/A	
			15.0 Subrounded fine to medium GRAVELLY SAND (SWG) with 10% silt, uniformly brown in color, well graded, dry.		N/A	N/A	0.0	N/A	

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Site Name/Location: Poles, Inc. / Oldtown, Idaho
Well Number: TP09

DRILLING LOG OF WELL/BORING NO. TP09

Project/Location: Polas, Inc. / Oldtown, Idaho

Total Depth of Hole (feet BGS): 85

ELEVATION / DEPTH (feet)	WELL COMPLETION DIAGRAM	GRAPHIC LOG	SOIL/ROCK DESCRIPTION	Sample Interval	Sample Recovery (feet)	LEL Breathing Zone (%)	PID Soil Reading (ppm)	Blow Counts (3/6 Lbs)	COMMENTS
20	8.25" Diameter Borehole		20.0 Subrounded fine to coarse SAND (SW) with trace fine gravel, uniformly light olive brown in color, well to moderate grading, moist.		N/A	N/A	0.1	N/A	
25	Borehole plugged with hydrated sodium bentonite (3/8" chips)		25.0 Subrounded fine to medium SAND (SP) with trace silt, uniformly light olive brown in color, moderately graded, moist.		N/A	N/A	0.1	N/A	
30			30.0 Subrounded fine to medium SAND (SP) with 10% silt, uniformly light olive brown in color, moderately graded, moist.		N/A	N/A	0.0	N/A	
35			35.0 Subrounded fine to medium SAND (SP), variably brown to red to white in color, poorly graded, dry.		2.0	N/A	0.0	14 22 29 22	Collected analytical sample TP09SB1 (35-37 feet bgs).
37					N/A	N/A	0.0	N/A	
40			40.0 Subrounded fine to coarse GRAVELLY SAND (SWG) with 5% silt, uniformly light olive brown in color, well graded, dry.		N/A	N/A	0.3	N/A	

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Region 10

Site Name/Location: Polas, Inc. / Oldtown, Idaho
Well Number: TP09

DRILLING LOG OF WELL/BORING NO. TP09

Project/Location: Poles, Inc. / Oldtown, Idaho

Total Depth of Hole (feet BGS): 65

ELEVATION	DEPTH (feet)	WELL COMPLETION DIAGRAM	GRAPHIC LOG	SOIL/ROCK DESCRIPTION	Sample Interval	Sample Recovery (feet)	U.E. Breathing Zone (%)	PID Soil Reading (ppm)	Blow Counts (300 Lbs)	COMMENTS
	45	8.25" Diameter Borehole		45.0 Subrounded fine to coarse GRAVELLY SAND (SWG), uniformly light olive brown in color, well graded, dry.		N/A	N/A	0.0	N/A	
	50					N/A	N/A	0.0	N/A	
	55			55.0 Subrounded fine to coarse GRAVELLY SAND (SWG) with 5% silt, uniformly light olive brown in color, well graded, dry.		N/A	N/A	0.0	N/A	
	60	Borehole plugged with hydrated sodium bentonite (3/8" chips)		60.0 Subrounded fine to medium SILTY SAND (SM), uniformly light olive brown in color, poorly graded, dry.		N/A	N/A	0.0	N/A	
	65			65.0 Subrounded fine to coarse SAND (SW) with 10% gravel and silt, uniformly light olive brown in color, well graded, dry.		N/A	N/A	0.0	N/A	

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Site Name/Location: Poles, Inc. / Oldtown, Idaho
Well Number: TP09

DRILLING LOG OF WELL/BORING NO. TP09

Project/Location: Poles, Inc. / Oldtown, Idaho

Total Depth of Hole (feet BGS): 85

ELEVATION	DEPTH (feet)	WELL COMPLETION DIAGRAM	GRAPHIC LOG	SOIL/ROCK DESCRIPTION	Sample Interval	Sample Recovery (feet)	LEL Breathing Zone (%)	PID Soil Heading (ppm)	Blow Counts (300 Lbs)	COMMENTS
		8.25" Diameter Borehole		70.0 Subrounded fine to coarse GRAVELLY SAND (SWG) with 5% silt, uniformly light olive brown in color, well graded, dry.		N/A	N/A	0.2	N/A	
		Borehole plugged with hydrated sodium bentonite (3/8" chips)				N/A	N/A	0.2	N/A	
				77.0 Subrounded fine to coarse SAND (SP) with 10% silt, uniformly olive brown in color, poorly graded, moist.		2.0	N/A	0.0	16 45 40 35	Collected analytical sample TP09SB2 (77-79 feet bgs).
				79.0 Subrounded fine to coarse SAND (SP) with 10% silt, uniformly olive brown in color, poorly graded, wet.		N/A	N/A	0.0	N/A	Encountered groundwater at 79.0 feet bgs. Collected analytical groundwater sample TP09GW.
				85.0 End of boring at 85.0 feet bgs.						

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U.S. Enviromental Protection Agency
Region 10

Site Name/Location: Poles, Inc. / Oldtown, Idaho
Well Number: TP09

DRILLING LOG OF WELL/BORING NO. TP10

Project/Location	Poles, Inc. / Oldtown, Idaho	Total Depth of Hole (feet BGS):	79
Boring Location:	South of treatment building and pole prossessing yard.	Ground Elevation (feet above MSL):	N/A
		Inner Casing Elevation (TOC)	N/A
Date Started/Finished:	August 30, 2001 - August 31, 2001	Groundwater Depth (feet BGS):	
Drilling Contractor:	Environmental West Exploration, Inc.	First Encountered: ▽ 78.8	Final: ▼ N/A
Drill Method:	8 25" OD Hollow Stem Auger with 10" Dia Wing Bit	Geologist:	P. D. James, Jr., PG

ELEVATION / DEPTH (feet)	WELL COMPLETION DIAGRAM	GRAPHIC LOG	SOIL/ROCK DESCRIPTION	Sample Interval	Sample Recovery (feet)	LEL Breathing Zone (%)	PID Spot Reading (ppm)	Blow Counts (300 Lbs)	COMMENTS
Ground Surface Elevation N/A			ground surface (gs)						
1–5	8 25" Diameter Borehole; Borehole plugged with hydrated sodium bentonite (3/8" chips)		Subrounded fine to medium SAND (SP) with 10% gravel and silt, uniformly olive brown in color, moderately graded, dry.		N/A	N/A	0.0	N/A	
5.0									
5–10			Subrounded fine to coarse SAND (SW) with 10% silt, uniformly light olive brown in color, moderately graded, dry.		N/A	N/A	0.0	N/A	
10.0									
10–15			Subrounded/subangular fine to coarse GRAVELLY SAND (SWG) with trace silt, uniformly olive brown in color, well graded, dry.		N/A	N/A	0.0	N/A	
15.0									
15–18			Subrounded/subangular fine to coarse GRAVELLY SAND (SWG) with trace silt, uniformly light olive brown in color, well graded, dry.		N/A	N/A	0.0	N/A	

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Region 10

Site Name/Location: Poles, Inc. / Oldtown, Idaho
Well Number: TP10

DRILLING LOG OF WELL/BORING NO. TP10

Project/Location: Poles, Inc. / Oldtown, Idaho

Total Depth of Hole (feet BGS): 79

ELEVATION / DEPTH (feet)	WELL COMPLETION DIAGRAM	GRAPHIC LOG	SOIL/ROCK DESCRIPTION	Sample Interval	Sample Recovery (feet)	LEL/Breathing Zone (%)	PID Soil Reading (ppm)	Blow Counts (per 6 in)	COMMENTS
			20.0						
	8.25" Diameter Borehole		Subrounded fine to coarse SAND (SW) with 10% fine gravel and trace silt, uniformly light olive brown in color, well graded, dry.		N/A	N/A	0.0	N/A	
			25.0						
	Borehole plugged with hydrated sodium bentonite (3/8" chips)		Subrounded fine to coarse SAND (SW) with 10% fine gravel and trace silt, uniformly light olive brown in color, well graded, moist.		N/A	N/A	0.0	N/A	
			30.0						
			Subrounded fine to medium SAND (SP) with trace silt, uniformly yellowish brown in color, poorly graded, moist.		N/A	N/A	0.0	N/A	
			35.0						
			Subrounded fine to coarse SILTY SAND (SM) with 5% fine rounded gravel, uniformly olive brown in color, well graded, moist.		2.0	N/A	0.0	15 37 37 30	Collected analytical sample TP10SB1 (35-37 feet bgs).
					N/A	N/A	0.0	N/A	
			40.0						
			Subrounded fine to medium SAND (SP) with trace silt, uniformly light olive brown in color, moderately graded, dry.		N/A	N/A	0.0	N/A	

DRILLING LOG OF WELL/BORING NO. TP10

Project/Location: Poles, Inc. / Oldtown, Idaho

Total Depth of Hole (feet BGS): 79

ELEVATION / DEPTH (feet)	WELL COMPLETION DIAGRAM	GRAPHIC LOG	SOIL/ROCK DESCRIPTION	Sample Interval	Sample Recovery (feet)	LEL Breathing Zone (%)	PID Soil Reading (ppm)	Blow Counts (300 Lbs)	COMMENTS
45.0 – 50.0	8.25" Diameter Borehole		Subrounded fine to coarse GRAVELLY SAND (SWG), uniformly olive brown in color, well graded, moist.		N/A	N/A	0.0	N/A	
50.0 – 55.0			Subrounded fine to coarse GRAVELLY SAND (SWG) with 10% silt, uniformly light olive brown in color, well graded, dry.		N/A	N/A	0.0	N/A	
55.0 – 60.0			Subrounded fine to coarse GRAVELLY SAND (SWG) with trace silt, uniformly light olive brown in color, well graded, dry.		N/A	N/A	0.0	N/A	
60.0 – 65.0	Borehole plugged with hydrated sodium bentonite (3/8" chips)		Subrounded fine to coarse GRAVELLY SAND (SWG) with trace silt, uniformly olive brown in color, well graded, moist.		N/A	N/A	0.0	N/A	
65.0			Subrounded fine SAND (SP) with 5% silt and trace fine gravel, uniformly yellowish brown in color, poorly graded, moist.		N/A	N/A	0.1	N/A	

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Region 10

Site Name/Location: Poles, Inc. / Oldtown, Idaho
Well Number: TP10

DRILLING LOG OF WELL/BORING NO. TP10

Project/Location: Poles, Inc. / Oldtown, Idaho

Total Depth of Hole (feet BGS): 79

ELEVATION / DEPTH (feet)	WELL COMPLETION DIAGRAM	GRAPHIC LOG	SOIL/ROCK DESCRIPTION	Sample Interval	Sample Recovery (feet)	LEL Breathing Zone (%)	PID Std Reading (ppm)	Blow Counts (300 Lbs)	COMMENTS
70	8.25" Diameter Borehole		70.0 Subrounded fine to coarse SAND (SP) with 10% fine gravel, uniformly light olive brown in color, moderately graded, moist.		N/A	N/A	0.3	N/A	
76	Borehole plugged with hydrated sodium bentonite (3/8" chips)				N/A	N/A	0.3	N/A	
77			77.0 Subrounded fine to coarse SAND (SP) with 5% silt, variably yellow to brown in color, moderately graded, moist to wet.		2.0	N/A	0.0	12 30 40 45	Collected analytical sample TP10SB2 (77-79 feet bgs).
79			79.0 End of boring at 79.0 feet bgs.						Encountered groundwater at 78.8 feet bgs.

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Site Name/Location: Poles, Inc. / Oldtown, Idaho
Well Number: TP10