FORMER GASTOWN MGP SITE SITE NO. 915171

2007 SITE VISIT CHECKLISTS FOR THE GROUNDWATER COLLECTION & TREATMENT SYSTEM

DNAPL System		
Operational upon arrival?	(Yes)	No
DNAPL pump pressure (arrival)	48	PSI
DNAPL pump pressure (departure)	50	PSI
Pneumatic settings adjusted?	' Yes	No
Discharge control setting (departure)	K	Arron
Refill qontrol setting (departure)	K	Arrow
DNAP L Drum High level shut off operational? Green warning light operational? DNAPL drum container integrity. Leaks present? Decant valve integrity.		No No Poor No Poor
DNAPL Pump and Piping DNAPL piping integrity. DNAPL pump cleaned? DNAPL top of pump depth.	Giond Yes Z41/7	Poor No Feet

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LNAPL/Groundwater System		
Operational upon arrival?	Yes	No
LNAPI, pump pressure (arrival)	35	PSI
LNAPL pump pressure (departure)	35	PSI
Bubbler tube operating pressure.	3	PSU
Pneumatic settings adjusted?	Yes-	No
Discharge control setting (departure)	1	Arrow
Refill control setting (departure)	->	Arrow
`		
LNAPL Pump and Piping		
LNAPL piping integrity.	Good	Poor
LNAPL pump cleaned?	Yes	(No)
LNAPL top of pump depth.	14	Feet
Oil/Water Separator		
Water high level shut-off operational?	(Yes)	No
White warning light operational?	Yes	No
Separator vessel integrity.	Good	Poor
Leaks present?	Yes	(No)
Separator cover and seal integrity.	Good	Poor
Decant valve integrity.	Good	Poor
LNAPL in separator?	Yes	No
Separator needs eleaning?	(Yes)	No
Separator cleaned?	Yes	No

Technician: ARTKOSKE		
Date: 175-07	41	

LNAPL/Groundwater System - (Continued)		
Transfer Pump and Piping Pump operational? Pump integrity. Flow meter operational? Transfer pump flow rate. Totalizer reading (cumulative volume). Water filters changed?	Good Yes 4.1 6.55767 Yes	No Poor No GPM Gallons
Filter unit pressure (arrival/departure)	7Z	PSI
Carbon Treatment Drimis Primary carbon drum integrity. Primary carbon drum leaks? Primary carbon drum pressure. Primary carbon removed for disposal? Secondary carbon drum rotated to primary? New carbon placed in primary drum?	Good Yes 71/2 Yes Yes Yes	Poor (2) 25 (2) (2) (2) (2) (2)
Secondary carbon drum integrity. Secondary carbon drum leaks? Secondary carbon drum pressure. Secondary carbon removed for disposal? Polishing drum rotated to secondary? New carbon placed in secondary drum?	Yes Yes Yes Yes Yes	
Polishing carbon drum integrity. Polishing carbon drum leaks? Polishing carbon drum pressure. Polishing carbon removed for disposal? New carbon placed in primary drum?	Good Yes 112 Yes , Yes	Poor (2) PSI (2) (2)
Discharge Piping Pipe integrity in shed. Pipe integrity at eatch basin. Pipe at catch basin clear? Pipe integrity at creek. Pipe at creek clear?	Good Good Yes Good Yes	Poor Poor Na Poor Na

Miscellaneous	. t	
Building and Site Remediation shed integrity. Shed ventilation acceptable? Repairs/work needed? Spill evidence?	Good Yes Yes Yes	Poor No No
Electrical and Heating Electric controls operational Henter operational	(A)	No. No

Miscellaneous - (Continued)		
Access Vaults Overall vault integrity, Repairs needed to vaults?	Good Yes	Poor No
Air Compressor Compressor operational? Compressor hours. Oil level checked? Oil level changed? Compressor trap operating? Regulator operating? Air lines performing properly?	Yes Yes Yes Yes	No Hours No No No No

Sampling		
Primary carbon influent sampled?	Yes	No
Primary carbon effluent sampled?	Yes	No
Secondary carbon effluent sampled?	Yes	(No)
Compliance event?	Yes	No
Time sampled.		a.m./p.m.
Product sampled?	Yes	No

Recovery and Disposal		
Recovery from DNAPL Drum Pure DNAPL to disposal drum. DNAPL/water to disposal drum. DNAPL/water to oil/water separator.	=	Gallons Gallons Gallons
Recovery from Oil Water Separator Pure DNAPL to disposal drum. DNAPL/water to disposal drum.		Gallons Gallons
Product, Carbon, Waste Storage DNAPL drums on-site (full and fractional) Spent carbon drums	3	Drums Drums
PPE/Solids drums LNAPL drums Drums labeled?	Yes	Drums Drums No
Drums palletized?	100	No No

DNAPL System		
Operational upon arrival?	Yes	No
DNAPL pump pressure (arrival)	50	PSI
DNAPL pump pressure (departure)	50	PSI
Pneumatic settings adjusted?	· Yes	No
Discharge control setting (departure)	1	Arron
Refill qontrol setting (departure)	K	Arrow
DNAP L Drum		
High level shut off operational?	(es)	No
Green warning light operational?		No
DNAPL drum container integrity.	Good	Poor
Leaks present?	Yes	
Decant valve integrity.	Good	Poor
DNAPL Pump and Piping		
DNAPL piping integrity.	Good	Poor
DNAPL pump cleaned?	Yes	No
DNAPL top of pump depth.	24/12	Feet

LNAPL/Groundwater System		
Operational upon arrival?	Yes	No
LNAPI, pump pressure (arrival)	35	PSI
LNAPL punip pressure (departure)	.35	PSI
Bubbler tube operating pressure.	2.60	PSF
Pneumatic settings adjusted?	,Yes	(MD)
Discharge control setting (departure)	个	Arrow
Refill control setting (departure)	->	Arrow
\		
LNAPL Pump and Piping		
LNAPL piping integrity.	Good	Poor
LNAPL pump cleaned?	Yes	No
LNAPL top of pump depth.	14	Feet
Oil/Water Separator		
Water high level shut-off operational?	(Yes)	No
White warning light operational?	Yes	No
Separator vessel integrity.	Good	Poor
Leaks present?	Yes	No
Separator cover and seal integrity.	(Good)	Poor
Decant valve integrity.	Good	Poor
LNAPL in separator?	Yes	No
Separator needs eleaning?	Yes	No
Separator cleaned?	Yes	No

Technician:	ART	KO.	SK	2

Date: 4-12-07

LNAPL/Groundwater System - (Continued)		
LNAPL/Groundwater System - (Continued) Transfer Pump and Piping Pump operational? Pump integrity. Flow meter operational? Transfer pump flow rate. Totalizer reading (cumulative volume). Water filters changed? Filter unit pressure (arrival/departure)	(cs) (gand (cs) (cs) (cs) (do Z. 76) (do Z. 76) (do Z. 76)	No Poor No GPM Gallons No PSI
Carbon Treatment Drums Primary carbon drum integrity. Primary carbon drum leaks? Primary carbon drum pressure. Primary carbon drum pressure. Primary carbon drum rotated to primary? New carbon placed in primary drum? Secondary carbon drum integrity. Secondary carbon drum leaks? Secondary carbon drum pressure. Secondary carbon drum pressure. Secondary carbon drum pressure. New carbon placed in secondary? New carbon placed in secondary drum? Polishing carbon drum integrity. Polishing carbon drum leaks? Polishing carbon drum leaks?	Good Yes Yes Yes Good Yes Yes Yes Yes Yes Yes Yes Yes Yes	2
Polishing carbon removed for disposal? New carbon placed in primary drum? Discharge Piping Pipe integrity in shed. Pipe integrity at catch basin. Pipe at catch basin clear? Pipe integrity at creek. Pipe at creek clear?	Yes Yes Good Good Yes Good Yes	Poor Poor No Poor No

Miscellaneous		
Building and Site Remediation shed integrity. Shed ventilation acceptable? Repairs/work needed? Spill evidence?	Good Yes Yes Yes	Poor No No
<u>Electrical and Heating</u> Electric controls operational Heater operational	Ves Ves	No No

Miscellaneous - (Continued)		
Access Vaults Overall vault integrity, Repairs needed to vaults?	(innd Yes	Poor
Air Compressor Compressor operational? Compressor hours. Oil level checked? Oil level changed? Compressor trap operating? Regulator operating? Air lines performing properly?	(E) 45 (G) (E) (E) (E) (E) (E) (E) (E) (E) (E) (E	No Hours No No No No

Sampling		
Primary carbon influent sampled?	Yes	(MD)
Primary carbon effluent sampled?	Yes	(NO)
Secondary carbon effluent sampled?	Yes .	
Compliance event?	Yes	1 60
Time sampled.		a.m <u>./p</u> .m.
Product sampled?	Yes	(No)

Recovery and Disposal		
Recovery from DNAPL Drum		
Pure DNAPI to disposal drum.	~	Gallons
DNAPL/water to disposal drum.	8/4	Gallons
DNAPL/water to oil/water separator.		Gallons
Recovery from Oil Water Separator		
		
Pure DNAPL to disposal drum.		Gallons
DNAPL/water to disposal drum.		Gallons
	1	
Product, Carbon, Waste Storage		
DNAPL drums on-site (full and fractional)	1	Drums
Spent carbon drums	3	Drums
PPE/Solids drums		Drums
LNAPL drums		Drums
Drums labeled?	Yes	No
Drums palletized?	res	No

DNAPL System		
Operational upon arrival?	(Yes)	No
DNAPL pump pressure (arrival)	52	PSI
DNAPL pump pressure (departure)	52	PSI
Pneumatic settings adjusted?	Yes	No
Discharge control setting (departure)	1	Arron
Refill qontrol setting (departure)	K	Arrow
DNAPA Drum		
High level shut off operational?	Yes	No
Green warning light operational?	Yes	No
DNAPL drum container integrity.	Good	Poor
Leaks present?	Yes	No
Decant valve integrity.	Ciood	Poor
DNAPL Pump and Piping		
DNAPL piping integrity.	Good	Poor
DNAPL pump cleaned?	Yes	No
DNAPL top of pump depth.	241/2	Feet

LNAPL/Groundwater System		
Operational upon arrival?	(Tes)	Nσ
LNAPI, pump pressure (arrival)	35	PSI
LNAPL pump pressure (departure)	35	PSI
Bubbler tube operating pressure.	3.4	PSU
Preumatic settings adjusted?	Yes	(No)
Discharge control setting (departure)	1	Arrow
Refill control setting (departure)	\ ->	Arrow
LNAPL Pump and Piping		. 4
LNAPL piping integrity.	Good	Poor
LNAPL pump cleaned?	Yes	(No)
LNAPL top of pump depth.	14.	Feet
Oil/Water Separator		
Water high level shut-off operational?	(VE)	No
White warning light operational?	(Yes	No
Separator vessel integrity.	Good	Poor
Leaks present?	Yes	(No)
Separator cover and seal integrity.	Good	Poor
Decant valve integrity.	Good	Poor
LNAPL in separator?	Yes	No
Separator needs cleaning?	1 80	No
Separator cleaned?	Yes	(No)

Technician:	ART	KOSKE	
Date:	1-24-6	97	

<u>Table 4-1</u>

LNAPL/Groundwater System - (Continued)		
LNAPL/Groundwater System - (Continued) Transfer Pump and Piping Pump operational? Pump integrity. Flow meter operational? Transfer pump flow rate. Totalizer reading (cumulative volume). Water filters changed? Filter unit pressure (arrival/departure)	10 147 10 147 10 147 10 147	No Poor No GPM Gallons No PSI
Carbon Treatment Drums Primary carbon drum integrity. Primary carbon drum leaks? Primary carbon drum pressure. Primary carbon removed for disposal? Secondary carbon drum rotated to primary? New carbon placed in primary drum?	Good Yes /O Yes Yes Yes	5 (S) 5 (S)
Secondary earbon drum integrity. Secondary carbon drum leaks? Secondary carbon drum pressure. Secondary carbon removed for disposal? Polishing drum rotated to secondary? New carbon placed in secondary drum?	Yes Yes Yes Yes Yes	Poor 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
Polishing carbon drum integrity. Polishing carbon drum leaks? Polishing carbon drum pressure. Polishing carbon removed for disposal? New carbon placed in primary drum?	Grod Yes 1/2 Yes Yes	Poor No PSI No No
Discharge Piping Pipe integrity in shed. Pipe integrity at entch basin. Pipe at eatch basin clear? Pipe integrity at creek. Pipe at creek clear?	Georgia Services Serv	Poor Poor No Poor No

Miscellaneous	ţ.	
Building and Site Remediation shed integrity. Shed ventilation acceptable? Repairs/work needed? Spill evidence?	Good Yes Yes Yes	Poor No No
Electrical and Heating Electric controls operational Henter operational	&	No No

Site Visit Checklist/Data Sheet

Miscellaneous - (Continued)		
Access Vaults	Good	Poor
Overall vault integrity. Repairs needed to vaults?	Yes	No
Air Compressor		
Compressor operational?	Yes	No
Compressor hours.	4586	Hours
Oil level checked?	Yes	No
Oil level changed?	Yes	No
Compressor trap operating?	Q CO	No
Regulator operating?		No
Air lines performing properly?	(Yes)	No

Sampling		essen.
Primary carbon influent sampled?	Yes	(No)
Primary carbon effluent sampled?	Yes	(No)
Secondary carbon effluent sampled?	Yes	Nin
Compliance event?	Yes	(m)
Time sampled.		a.m./p.m.
Product sampled?	Yes	(No)

Recovery and Disposal		
Recovery from DNAPL Drum Pure DNAPL to disposal drum. DNAPL/water to disposal drum. DNAPL/water to oil/water separator.	1/2	Gallons Gallons Gallons
Recovery from Oil-Water Separator Pure DNAPL to disposal drum. DNAPL/water to disposal drum.		Gallons Gallons
Product, Carbon, Waste Storage DNAPL drums on-site (full and fractional) Spent carbon drums PPE/Solids drums LNAPL drums Drums labeled? Drums palletized?	3 (Ves)	Drums Drums Drums Drums No

DNAPL System			
Operational upon arrival?	d'es)	No	
DNAPL pump pressure (arrival)	ざる	PSI	
DNAPL pump pressure (departure)	.5°Z	PSI	
Pneumatic settings adjusted?	' Yes	(No.)	
Discharge control setting (departure)	K	Arron	
Refill qontrol setting (departure)	V.	Arrow	
DNAPL Drum High level shut off operational? Green warning light operational? DNAPL drum container integrity. Leaks present? Decant valve integrity.	Yes Yes Gind	No No Poor No Poor	
DNAPL Pump and Piping DNAPL piping integrity. DNAPL pump cleaned?	Good	Poor	
DNAPL top of pump depth.	241/2	Feet	

	LNAPL/Groundwater System		
	Operational upon arrival?	Yes	No
	LNAPI, pump pressure (arrival)	40	PSI
ļ	LNAPL pump pressure (departure)	40	PSI
ı	Bubbler tube operating pressure	3	PSI
١	Pneumatic settings adjusted?	Yes	(No)
	Discharge control setting (departure)	<u> </u>	Arrow
١	Refill control setting (departure)	->	Arrow
	`		
	LNAPL Pump and Piping		
2	LNAPL piping integrity.	Good	Poor
	LNAPL pump cleaned?	Yes	No
	LNAPL top of pump depth.	14	Feet
į.	*\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	1 N 1 P	
	Oil/Water Separator		
	Water high level shut-off operational?	(Ves)	No
- 1	White warning light operational?	(Yes)	No
	Separator vessel integrity.	Good	Poor
	Leaks present?	Yes	(No)
	Separator cover and seal integrity.	Good	Poor
1	Decant valve integrity.	Good	Poor
	LNAPL in separator?		No
-	Separator needs eleaning?	Yes	No
١	Separator cleaned?	Yes	.(40)

Technician:_	ART	KOSKIZ	
Date: /	-31-0	7	

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ī	NAPL/Groundwater System - (Continued)		
1	ransfer Pump and Piping		
	'ump operational?	(Ces)	No
	tump integrity.	Good	Poor
- +	low meter operational?	Yes	No
-∥ ղ	ransfer pump flow rate.	305	GPM
1	otalizer reading (cumulative volume).	677956	Gallons
\	Vater filters changed?	Yes .	(No)
	ilter unit pressure (arrival/departure)	70/zò	PSI
1 9	arbon Treatment Drums		
	rimary carbon drum integrity.	Good	Poor
1	rimary carbon drum leaks?	Yes	(No)
- 1	rimary carbon drum pressure.	842	PSI
r	rimary carbon removed for disposal?	Yes	(No)
S	econdary carbon drum rotated to primary?	Yes	No
1	lew carbon placed in primary drum?	Yes	(No)
1			
S	econdary carbon drum integrity.	Good	Poor
S	econdary earbon drum leaks?	Yes	(No
S	econdary carbon drum pressure.	212	PST
S	econdary carbon removed for disposal?	Yes	No
Į į	olishing drum rotated to secondary?	Yes	W
	lew carbon placed in secondary drum?	Yes	No
	No.	N. 7	9
P	olishing carbon drum integrity.	Good	Poor
P	olishing carbon drum leaks?	Yes	No
- II	olishing carbon drum pressure.	リマ	PSI
P	olishing carbon removed for disposal?	Yes	No
	lew carbon placed in primary drum?	Yes	No
Ľ	Discharge Piping		
l l	ipe integrity in shed.	Good	Poor
r	ipe integrity at catch basin.	Good	Poor
r	ipe at catch basin clear?	(Tes)	No
- ∥ r	ipe integrity at creek.	Good	Poor
· F	'ipe at creek clear?		No

Miscellaneous	t t	
Building and Site Remediation shed integrity. Shed ventilation acceptable? Repairs/work needed? Spill evidence?	Good Yes Yes Yes	Poor No No
<u>Electrical and Heating</u> Electric controls operational Heater operational		No No

Miscellancous - (Continued)		
Access Vaults Overall vault integrity. Repairs needed to vaults?	Good Yes	Poor
Air Compressor Compressor operational? Compressor hours. Oil level checked? Oil level changed? Compressor trap operating? Regulator operating? Air lines performing properly?	Yes Yes Yes Yes Yes Yes	No Hours No No No No

Sampling		
Primary carbon influent sampled?	Yes	No
Primary carbon effluent sampled?	Yes	No
Secondary carbon effluent sampled?	Yes	No
Compliance event?	Yes	No
Time sampled.	10:30	(1.m)/p.m.
Product sampled?	Yes	840

Recovery and Disposal		
Recovery from DNAPL Drum Pure DNAPL to disposal drum. DNAPL/water to disposal drum. DNAPL/water to oil/water separator.	V8	Gallons Gallons Gallons
Recovery from Oil Water Separator Pure DNAPL to disposal drum. DNAPL/water to disposal drum.		Gallons Gallons
Product, Carbon, Waste Storage DNAPL drums on-site (full and fractional) Spent carbon drums PPE/Solids drums LNAPL drums Drums labeled? Drums palletized?	/ / /Yes	Drums Drums Drums Drums No No

DNAPL System		
Operational upon arrival?	Yes	No
DNAPL pump pressure (arrival)	50	PSI
DNAPL pump pressure (departure) Pneumatic settings adjusted?	Yes	PSI
Discharge control setting (departure)	168	Arron
Refill dontrol setting (departure)	2	Viton
DNAPL Drum High level shut off operational? Green warning light operational? DNAPL drum container integrity. Leaks present? Decant valve integrity.	Ses	No No Poor No Poor
DNAPL Pump and Piping DNAPL piping integrity. DNAPL pump cleaned? DNAPL top of pump depth.	Good Yes Z4 1/2	Poor No Feet

LNAPL/Groundwater System		
Operational upon arrival?	Yes	No
LNAPL pump pressure (arrival)	40	PSI
LNAPL pump pressure (departure)	40	PSI
Bubbler tube operating pressure.	_3	PSI
Pneumatic settings adjusted?	Yes	NO
Discharge control setting (departure)	不	Arrow
Refill control setting (departure)	\ ->	Arrow
LNAPL Pump and Piping		
LNAPL piping integrity.	Good	Poor
LNAPL pump cleaned?	Yes	No
LNAPL top of pump depth.	14	Feet
OH/IV-ton Selection		
Oil/Water Separator	(Var)	No
Water high level shut-off operational? White warning light operational?		No
	Good	Poor
Separator vessel integrity.	Yes	
Leaks present?		Poor
Separator cover and seal integrity.	Good	
Decant valve integrity.	Good	Poor
LNAPL in separator?	Yes	No
Separator needs cleaning?	(Yes)	No
Separator cleaned?	Yes	(No.)

Technician:_	ART	Koske
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LNAPL/Groundwater System - (Continued)		
Transfer Pump and Piping		
Pump operational?	Yes	No
Pump integrity.	Good	Poor
Flow meter operational?	(Yes)	No
Transfer pump flow rate.	3.8	GPM
Totalizer reading (cumulative volume).	682810	Gallons
Water filters changed?	Yes	No
Filter unit pressure (arrival/departure)	18/18	PSI
<u>Carbon Treatment Drums</u>		
Primary carbon drum integrity.	Good	Poor
Primary carbon drum leaks?	Yes	No
Primary earbon drum pressure.	81/2	PSI
Primary carbon removed for disposal?	Yes	No
Secondary carbon drum rotated to primary?	Yes	(140.3
New carbon placed in primary drum?	Yes	No
Secondary carbon drum integrity.	Gnod	Poor
Secondary carbon drum leaks?	Yes	(No)
Secondary carbon drum pressure.	21/2	PSI
Secondary carbon removed for disposal?	Yes	(No)
Polishing drum rotated to secondary?	Yes	No
New carbon placed in secondary drum?	Yes	No
Polishing carbon drum integrity.	Good	Poor
Polishing carbon drum leaks?	Yes	(No)
Polishing carbon drum pressure.	1/2	PSI
Polishing carbon removed for disposal?	Yes	(No)
New carbon placed in primary drum?	Yes	(M)
Discharge Piping		
Pipe integrity in shed.	Good	Poor
Pipe integrity at eatch basin.	Good	Poor
Pipe at catch basin clear?	Yes	No
Pipe integrity at creek.	Good	Poor
Pipe at creek clear?	(Yes)	No

Miscellaneous	 ť	
Building and Site Remediation shed integrity. Shed ventilation acceptable? Repairs/work needed? Spill evidence?	Good Yes Yes Yes	Poor No No
Electrical and Heating Electric controls operational Heater operational		No No

Miscellaneous - (Continued)		
Access Vaults Overall vault integrity. Repairs needed to vaults?	Good	Poor
Air Compressor Compressor operational? Compressor hours. Oil level checked? Oil level changed? Compressor trap operating? Regulator operating? Air lines performing properly?	(9)	No Hours No No No No

Sampling		
Primary carbon influent sampled?	Yes	3
Primary carbon effluent sampled?	Yes	No
Secondary carbon effluent sampled?	Yes	(M)
Compliance event?	Yes	(m)
Time sampled.		a.m./p.m.
Product sampled?	Yes	No

Recovery and Disposal		
Recovery from DNAPL Drum		
Pure DNAPL to disposal drum.	~	Gallons
DNAPL/water to disposal drum.	1 PINT	Gallons
DNAPL/water to oil/water separator.		Gallons
Recovery from Oil Water Separator	L	
Pure DNAPL to disposal drum.	D. AMERICAN	Gallons
DNAPL/water to disposal drum.		Gallons
•	1	
Product, Carbon, Waste Storage		
DNAPL drums on-site (full and fractional)	1	Drums
Spent carbon drums	-	Drums
PPE/Solids drums	7	Drums
LNAPL drums		Drums
Drums labeled?	Yes	No
Drums palletized?	Yes	No

Notes: CLEARED ICE FROM PIPE AT

DNAPL System		
Operational upon arrival?	(Yes)	No
DNAPL pump pressure (arrival)	50	PS1
DNAPL pump pressure (departure)	50	PSI
Pneumatic settings adjusted?	' Yes	No
Discharge control setting (departure)	~	Arrow
Refill qontrol setting (departure)	1	Arrow
DNAPL Dram High level shut off operational? Green warning light operational? DNAPL drum container integrity. Leaks present? Decant valve integrity.		No No Poor No Poor
DNAPL Pump and Piping DNAPL piping integrity. DNAPL pump cleaned?	Good	Poor
DNAPL top of pump depth.	124/2	Feet

LNAPL/Groundwater System		
Operational upon arrival?	Yes	No
LNAPL pump pressure (arrival)	40	PSI
LNAPL pump pressure (departure)	40	PSI -
Bubbler tube operating pressure.	28	PSI
Precumatic settings adjusted?	Yes	No
Discharge control setting (departure)	1	Arrow
Refill control setting (departure)	\ 	Arrow
LNAPL Pump and Piping		
LNAPL piping integrity.	Good	Poor
LNAPL pump cleaned?	Yes	No
LNAPL top of pump depth.	14	Feet
1		
Oil/Water Separator		
Water high level shut-off operational?	Yes	No
White warning light operational?	Yes	No
Separator vessel integrity.	Good	Poor
Leaks present?	Yes	(NO)
Separator cover and seal integrity.	Good	Poor
Decant valve integrity.	Good	Poor
LNAPL in separator?	Yes	No
Separator needs cleaning?	Yes	No
Separator cleaned?	Yes	No

Technician:	ART	KOSKE	
Date	2-19-	<i>6</i> °7	

LNAPL/Groundwater System - (Continued)	-	
Transfer Pump and Piping		
Pump operational?	Yes	No
Pump integrity.	Good	Poor /
Flow meter operational?	Yes	No
Transfer pump flow rate.	2.79	GPM
Totalizer reading (cumulative volume).	686320	Gallons
Water filters changed?	ر به بی	No
Filter unit pressure (arrival/departure)	20/10	PSI
Carbon Treatment Drums		
Primary carbon drum integrity.	Good	Poor
Primary carbon drum leaks?	Yes	(No
Primary earbon drum pressure.	Co 1/2	PSI
Primary carbon removed for disposal?	Yes	(NO)
Secondary carbon drum rotated to primary?	Yes	(No)
New carbon placed in primary drum?	Yes	®
Secondary earbon drum integrity,	Good	Poor
Secondary carbon drum leaks?	Yes	€
Secondary carbon drum pressure.	2	PSI
Secondary earbon removed for disposal?	Yes	(No)
Polishing drum rotated to secondary?	Yes	(NO)
New carbon placed in secondary drum?	Yes	(40)
Polishing carbon drum integrity.	Good	Poor
Polishing carbon drum leaks?	Yes	No
Polishing carbon drum pressure.	1/2	PSI
Polishing carbon removed for disposal?	Yes	No
New carbon placed in primary drum?	Yes	No
Discharge Piping		
Pipe integrity in shed.	Good	Poor
Pipe integrity at catch basin.	Good	Poor
Pipe at catch basin clear?	Yes	No
Pipe integrity at creek.	Good	Poor
Pipe at creek clear?	Yes	No

Miscellaneous	t	
Building and Site Remediation shed integrity. Shed ventilation acceptable? Repairs/work needed? Spill evidence?	Good Yes Yes Yes	Poor No No
Electrical and Heating Electric controls operational Heater operational	(Sep	No No

Miscellaneous - (Continued)		
Access Vaults Overall vault integrity, Repairs needed to vaults?	Good	Poor
Air Compressor Compressor operational? Compressor hours. Oil level checked? Oil level changed? Compressor trap operating? Regulator operating? Air lines performing properly?	4718 4718 9 8 8 8 8	No Hours No No No No

Sampling		
Primary carbon influent sampled?	Yes	(No)
Primary carbon effluent sampled?	Yes	No
Secondary carbon effluent sampled?	Yes	No
Compliance event?	Yes	No
Time sampled.	1	a.m./p.m.
Product sampled?	Yes	No

Recovery and Disposal		
Recovery from DNAPL Drum		
Pure DNAPL to disposal drum.		Gallons
DNAPL/water to disposal drum.	1/10	Gallons
DNAPL/water to oil/water separator.	Ţ.	Gallons
Recovery from Oil Water Separator		
Pure DNAPL to disposal drum.		Gallons
DNAPL/water to disposal drum.		Gallons
Product, Carbon, Waste Storage		
DNAPL drums on-site (full and fractional)		Drums
Spent carbon drums		Drums
PPE/Solids drums	ì	Drums
LNAPL drums	7	Drums
Drums labeled?	Yes	No
Drums palletized?	Yes	No

DNAPL System		
Operational upon arrival?	Yes	No
DNAPL pump pressure (arrival)	50	PSI
DNAPL pump pressure (departure)	50	PSI
Pneumatic settings adjusted?	' Yes	No
Discharge control setting (departure)	7	Arron
Refill dontrol setting (departure)	K	Arrow
DNAPL Drum High level shut off operational? Green warning light operational? DNAPL drum container integrity. Leaks prescht? Decant valve integrity.	Yes (Early)	No No Poor No Poor
DNAPL Pump and Piping DNAPL piping integrity. DNAPL pump cleaned? DNAPL top of pump depth.	Good Yes Z4 7z	Poor No Feet

LNAPL/Groundwater System		21
Operational upon arrival? LNAPL pump pressure (arrival) LNAPL pump pressure (departure) Bubbler tube operating pressure. Preumatic settings adjusted? Discharge control setting (departure) Refill control setting (departure)	YS 40 40 3 7 5 €	No PSI PSI PSI No Arrow
LNAPL Pump and Piping LNAPL piping integrity. LNAPL pump cleaned? LNAPL top of pump depth.	Good Yes	Poor No Feet
Oil/Water Separator Water high level shut-off operational? White warning light operational? Separator vessel integrity. Leaks present? Separator cover and seal integrity. Decant valve integrity. LNAPL in separator? Separator cleaning? Separator cleaned?	Yes Yes Good Yes Good Yes Yes	No (No Poor Poor No (No No N

Technician:	(é	La C	5/6	el-	
Date	3-	9-0	7		

LNAPL/Groundwater System - (Continued)		
	T	
Transfer Pump and Piping		
Pump operational?	(Yes)	No
Pump integrity.	Good	Poor
Flow meter operational?	Yes	(No)
Transfer pump flow rate.	3.4	GPM
Totalizer reading (cumulative volume).	691036	
Water filters changed?	Yes	No
Filter unit pressure (arrival/departure)	40/12	PSI
<u>Carbon Treatment Drums</u>		
Primary carbon drum integrity.	Good	Poor
Primary carbon drum leaks?	Yes	No
Primary carbon drum pressure.	2	PSI
Primary carbon removed for disposal?	Yes	(No)
Secondary earbon drum rotated to primary?	Yes	(NO)
New carbon placed in primary drum?	Yes	
Secondary carbon drum integrity.	Good	Poor
Secondary carbon drum leaks?	Yes	No
Secondary carbon drum pressure.	+2	PSI
Secondary carbon removed for disposal?	Yes	20
Polishing drum rotated to secondary?	Yes	No
New carbon placed in secondary drum?	Yes	No
Polishing carbon drum integrity.	Good	Poor
Polishing carbon drum leaks?	Yes	(No)
Polishing carbon drum pressure.	112	PSI
Polishing carbon removed for disposal?	Yes	No
New carbon placed in primary drum?	Yes	No
Disabassa Bissisa		
Discharge Piping	Good	Poor
Pipe integrity in shed.		Poor
Pipe integrity at eatch basin.	Good	No
Pipe at catch basin clear?	CYES	
Pipe integrity at creek.	Good	Poor No
Pipe at creek clear?	Yes	140

Miscellaneous		· ·	
Building and Site Remediation shed integrity. Shed ventilation acceptable? Repairs/work needed? Spill evidence?	1	Good Yes Yes Yes	Poor No No
Electrical and Heating Electric controls operational Heater operational	- 7	(S)	No No

Miscellaneous - (Continued)		
Access Vaults Overall vault integrity, Repairs needed to vaults?	Good	Poor No
Air Compressor Compressor operational? Compressor hours. Oil level checked? Oil level changed? Compressor trap operating? Regulator operating? Air lines performing properly?	335 2 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	No Hours No No No No

Sampling		
Primary carbon influent sampled?	Yes	(No)
Primary carbon effluent sampled?	Yes	No
Secondary carbon effluent sampled?	Yes	No
Compliance event?	Yes	€
Time sampled.	10:10	(a.m.)p.m.
Product sampled?	Yes	NO

Recovery and Disposal		
Recovery from DNAPL Drum		
Pure DNAPL to disposal drum.		Gallons
DNAPL/water to disposal drum.		Gallons
DNAPL/water to oil/water separator.		Gallons
Recovery from Oil/Water Separator		
Pure DNAPL to disposal drum.	-	Gallons
DNAPL/water to disposal drum.		Gallons
Product, Carbon, Waste Storage		
DNAPL drums on-site (full and fractional)	l l	Drums
Spent carbon drums		Drums
PPE/Solids drums	1	Drums
LNAPI, drums	1	Drums
Drums labeled?	(G)	No
Drums palletized?	(765)	No

Notes: REPLACED WHITE WARNING LIGHT CLEANED FLOW METER

DNAPL System		
Operational upon arrival?	Yes	No
DNAPL pump pressure (arrival)		PSI
DNAPL pump pressure (departure)] PSI
Pneumatic settings adjusted?	* Yes	No
Discharge control setting (departure)		Arrow
Refill qontrol setting (departure)		Arrow
DNAPL Drum		
High level shut off operational?	Yes	Nο
Green warning light operational?	Yes	No
DNAPL drum container integrity.	Good	Poor
Leaks present?	Yes	No
Decant valve integrity.	Good	Poor
DNAPL Pump and Piping		
DNAPL piping integrity.	Good	Poor
DNAPL pump cleaned?	Yes	No -
DNAPL top of pump depth.		Feet

[
LNAPL/Groundwater System		
Operational upon arrival?	Yes	No
LNAPL pump pressure (arrival)		PSI
LNAPL pump pressure (departure)		PSI
Bubbler tube operating pressure.		PSI 1
Preumatic settings adjusted?	Yes	No
Discharge control setting (departure)		Arrow
Refill control setting (departure)		Arrow
	`	
LNAPL Pump and Piping	1	
LNAPL piping integrity.	Good	Poor
LNAPL pump cleaned?	Yes	No
LNAPL top of pump depth.		Feet
Oil/Water Separator		
Water high level shut-off operational?	(Pes)	No
White warning light operational?	Yes	No
Separator vessel integrity.	Good	Poor
Leaks present?	Yes	NO
Separator cover and scal integrity.	Good	Poor
Decant valve integrity.	Good	Poor
LNAPL in separator?	Yes	(NO)
Separator needs eleaning?	Yes	No
Separator eleaned?	Yes	(40)

Technician:_	ART	KOS	KE	· · · · · · · · · · · · · · · · · · ·
5. 2	-20-5	77		

F		
LNAPL/Groundwater System - (Continued)		
Transfer Pump and Piping		
Pump operational?	(Ces)	No
Pump integrity.	Good	Poor
Flow meter operational?	Yes	No
Transfer pump flow rate.	5.1	GPM
Totalizer reading (cumulative volume).	691447	Gallons
Water filters changed?	Yes	No
Filter unit pressure (arrival/departure)	40/14	PSI
Carbon Treatment Drums	'_	
Primary carbon drum integrity.	Good	Poor
Primary carbon drum leaks?	Yes	No
Primary earbon drum pressure.	10	PSI
Primary carbon removed for disposal?	Yes	No
Secondary carbon drum rotated to primary?	Yes	No
New carbon placed in primary drum?	Yes	(M)
Secondary carbon drum integrity.	Good	Poor
Secondary carbon drum leaks?	Yes	NO
Secondary carbon drum pressure.	15-	PSI
Secondary carbon removed for disposal?	Yes	(No.)
Polishing drum rotated to secondary?	Yes	NO NO
New carbon placed in secondary drum?	Yes	No
Polishing carbon drum integrity.	Good	Poor
Polishing carbon drum leaks?	Yes	(FE)
Polishing carbon drum pressure.	1/7	PSI
Polishing carbon removed for disposal?	Yes	(10)
New carbon placed in primary drum?	Yes	No.
Discharge Piping		
Pipe integrity in shed.	Good >	Poor
Pipe integrity at catch basin.	Good	Poor
Pipe at catch basin clear?	(Yes	No
Pipe integrity at creek.	Good	Poor
Pipe at creek clear?	res	No

Miscellaneous		
Building and Site Remediation shed integrity. Shed ventilation acceptable? Repairs/work needed? Spill evidence?	Good Yes Yes Yes	Poor No
Electrical and Heating Electric controls operational Heater operational		No No

Miscellancous - (Continued)		
Access Vaults Overall vault integrity. Repairs needed to vaults?	Good Yes	Poor
<u>Air Compressor</u> Compressor operational? Compressor hours.	Yes	No Hours
Oil level checked?	Yes	No
Oil level changed?	Yes	No
Compressor trap operating?	Yes	No
Regulator operating?	Yes	No
Air lines performing properly?	Yes	No

Sampling		
Primary carbon influent sampled?	Yes	(Ma)
Primary carbon effluent sampled?	Yes	(No)
Secondary carbon effluent sampled?	Yes	140.5
Compliance event?	Yes	No
Time sampled.		a.m./p.m.
Product sampled?	Yes	(No)

Recovery and Disposal		
Recovery from DNAPL Drum		
Pure DNAPL to disposal drum.		Gallons
DNAPL/water to disposal drum.		Gallons
DNAPL/water to oil/water separator.		Gallons
Recovery from Oil Water Separator		
Pure DNAPL to disposal drum.		Gallons
DNAPL/water to disposal drum.		Gallons
·		
Product, Carbon, Waste Storage		
DNAPL drums on-site (full and fractional)	i	Drums
Spent carbon drums	~	Drums
PPE/Solids drums	i	Drums
LNAPL drums	1	Drums
Drums labeled?	Yes	No
Drums palletized?	Yes	No

Notes: COMPRESSOR VALUE BROKE FOR SECOND STAGE WILL NOT BUILD PRESSURE, NEED TO ORDER VALUES

DNAPL System		
Operational upon arrival?	Yes	(No)
DNAPL pump pressure (arrival)		PSI
DNAPL pump pressure (departure)		PSI 🕏
Pneumatic settings adjusted?	Yes	No
Discharge control setting (departure)		Arrow
Reful quitrol setting (departure)		Arrow
DNAPL Drum		
High level shut off operational?	Yes	No
Green warning light operational?	Yes	Nο
DNAPL drum container integrity.	Good	Poor
Leaks present?	Yes	No
Decant valve integrity.	Good	Poor
		W. 14 44
DNAPL Pump and Piping	7.	
DNAPL piping integrity.	Good	Poor
DNAPL pump cleaned?	Yes	No
DNAPL top of pump depth.		Feet

LNAPUGroundwater System		
Operational upon arrival?	Yes	No
LNAPL pump pressure (actival)		PSI
LNAPL pump pressure (departure)	er"	PSI
Bubbler tube operating pressure.	A	PSI
Pneumatic settings adjusted?	Yes	No
Discharge control setting (departure)		Arrow
Refill control setting (Sprague)		Arrow
	3	2.5
LNAPL Pump and Piping		
LNAPL piping integrity.	- Good	Poor
LNAPL pump cleaned?	Yes	No
LNAPL top of pump depth.		Feet
!		
Oil/Water Separator		
Water high level shut-off operational?	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	No
White warning light operational?	Yes	No
Separator vessel integrity.	Good	Poor
Leaks present?	Yes	(No)
Separator cover and seal integrity.	Good	Poor
Decant valve integrity.	Good	Poor
LNAPL in separator?	Yes	No
Separator needs cleaning?	Yes	No
Separator cleaned?	Yes	(No)

Technician:		
Date:	4-4-07	_

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	LNAPL/Groundwater System - (Continued)		
	Transfer Pump and Piping Pump operational? Pump integrity. Flow meter operational? Transfer pump flow rate. Totalizer reading (cumulative volume). Water filters changed? Filter unit pressure (arrival/departure)	55.55 55.55	No Poor No GPM Gallons No PSI
.00	Carbon Treatment Drums Primary carbon drum integrity. Primary carbon drum leaks? Primary earbon drum pressure. Primary carbon removed for disposal? Secondary carbon drum rotated to primary? New carbon placed in primary drum?	Yes Yes Yes	Poor No PSI No No
	Secondary carbon drum integrity. Secondary carbon drum leaks? Secondary carbon drum pressure. Secondary carbon removed for disposal? Polishing drum rotated to secondary? New carbon placed in secondary drum?	Yes Yes	Poor No No No
	Polishing carbon drum integrity. Polishing carbon drum leaks? Polishing carbon drum pressure. Polishing carbon removed for disposal? New carbon placed in primary drum?	Good Yes 2 Yes Yes	Poer No PSI (2) PSI (2) PSI
	Discharge Piping Pipe integrity in shed. Pipe integrity at enteh basin. Pipe at eatch basin clear? Pipe integrity at creek. Pipe at creek clear?	Good Good Yes Good Yes	Poor Poor No Poor No

Miscellaneous	· ·	
Building and Site		
Remediation shed integrity.	(Gnod)	Poor
Shed ventilation acceptable?	(Yes)	No
Repairs/work needed?	Yes	(40)
Spill evidence?	Yes	(140)
	12.	
Electrical and Heating		
Electric controls operational	Yes	No
Heater operational	Yes	No

Miscellaneous - (Continued)		
Access Vaults		
Overall vault integrity.	Good	Poor
Repairs needed to vaults?	Yes	
Air Compressor		
Compressor operational?	Yes	No
Compressor hours.	5163	Hours
Oil level checked?	Yes	No
Oil level changed?	. Yes	No
Compressor trap operating?	Yes	No
Regulator operating?	Yes	No
Air lines performing properly?	Yes	No

Sampling		
Primary carbon influent sampled?	Yes	No
Primary carbon effluent sampled?	Yes	(P)
Secondary carbon effluent sampled?	Yes	(No.)
Compliance event?	Yes	
Time sampled.		a.m./p.m.
Product sampled?	Yes	\ (No)

Recovery and Disposal		
Recovery from DNAPL Drum		
Pure DNAPL to disposal drum.		Gallons
DNAPL/water to disposal drum.		Gallons
DNAPL/water to oil/water separator.		Gallons
Recovery from Oil-Water Separator		
Pure DNAPL to disposal drum.		Gallons
DNAPL/water to disposal drum.		Gallons
Product, Carbon, Waste Storage		
DNAPL drums on-site (full and fractional)		Drums
Spent carbon drums	1	Drums
PPE/Solids drums	1	Drums
LNAPL drums	7	Drums
Drums labeled?	Yes	No
Drums palletized?	Yes	No

Notes: PARTS ON ORDER FOR COMPRESSOR

RECEIVED

SPILL # 915171 PIN -

JUN 2 0 2007

Former Gastown Manufactured Gas Plant Site

DNAPL System		
Operational upon arrival?	Yes	(No)
DNAPL pump pressure (arrival)		PSI
DNAPL pump pressure (departure)		PSI
Pneumatic settings adjusted?	Yes	No
Discharge control setting (departure)		Arrow
Refill qontrol setting (departure)		Arrow
DNAPL Drum High level shut off operational? Green warning light operational? DNAPL drum container integrity. Leaks present? Decant valve integrity.	Yes Yes Good Yes Good	No No Poor No Poor
DNAPL Pump and Piping DNAPL piping integrity. DNAPL pump cleaned? DNAPL top of pump depth.	Good Yes	Poor No Feet

<u></u>		
LNAPL/Groundwater System		
Operational upon arrival?	Yes	(No)
LNAPI, pump pressure (arrival)		PSI
LNAPL pump pressure (departure)		PSI
Bubbler tube operating pressure.		PSI
Preumatic settings adjusted?	Yes	No
Discharge control setting (departure)		Arrow
Refill control setting (departure)		Arrow
LNAPL Pump and Piping		,
LNAPL piping integrity.	Good	Poor
LNAPL pump cleaned?	Yes	No
LNAPL top of pump depth.		Feet
1		
Oil/Water Separator		
Water high level shut-off operational?	(Yes)	No
White warning light operational?	Yes	No
Separator vessel integrity.	Good	Poor
Leaks present?	Yes	(N)
Separator cover and seal integrity.	Good	Poor
Decant valve integrity.	Good	Poor
LNAPL in separator?	Yes	(No)
Separator needs cleaning?	Yes	No
Separator cleaned?	Yes	(No)

Technician:	ART KOSKE
Date:	41-9-07

Table 4-1

Site Visit Checklist/D	ata Sheet
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<u> 1 avie 4-1</u>	NI	YSDEC	REG	9
LNAPL/Groundwater System - (Continued)		FOIL		_
Transfer Pump and Piping		REL	UNI	M:
Pump operational?	(Yes)	No		Ov
Pump integrity.	Good	Poor //		Re
Flow meter operational?	(Yes)	No		1
Transfer pump flow rate.	3.60	GPM		Air
Totalizer reading (cumulative volume).	697368	Gallons		Ċо
Water filters changed?	Yes	(Nu)	ll i	Co
Filter unit pressure (arrival/departure)	25	PSI		Oil
				Oil
Carbon Treatment Drums				Co
Primary carbon drum integrity.	(Good)	Poor		Re
Primary carbon drum leaks?	Yes	(No)		\Air
Primary carbon drum pressure.	5	PSI		
Primary carbon removed for disposal?	Yes	(NO		Sa
Secondary carbon drum rotated to primary?	Yes	№.		Pri
New carbon placed in primary drum?	Yes	No		Pri
				Sec
Secondary earbon drum integrity.	Good	Poor		Co
Secondary carbon drum leaks?	Yes	(No)		Tir
Secondary carbon drum pressure.	1/7	PSI		Pro
Secondary carbon removed for disposal?	Yes	(NO)	[<u> </u>
Polishing drum rotated to secondary?	Yes	₩.	ll r	
New carbon placed in secondary drum?	Yes	(No)		Re
				Rec
Polishing carbon drum integrity.	Good	Poor		Pu
Polishing carbon drum leaks?	Yes	(No)		DN
Polishing carbon drum pressure.	0	PSI	i l l	DN
Polishing earbon removed for disposal?	Yes	(No)		
New carbon placed in primary drum?	Yes			Re
				Pu
Discharge Piping		_	'	DN
Pipe integrity in shed.	Good)	Poor		
Pipe integrity at eatch basin.	Good	Poor		Pr
Pipe at catch basin clear?	ريعي	No		DN
Pipe integrity at creek.	Good	Poor		Sp
Pipe at creek clear?	Yes	No	11 1	PP

Miscellancous	t .	
Building and Site Remediation shed integrity. Shed ventilation acceptable? Repairs/work needed? Spill evidence?	Good Yes Yes Yes	Poor No No No
Electrical and Heating Electric controls operational Heater operational	Yes	No No

9		
Miscellancous - (Continued)		
Access Vaults Overall vault integrity.	Good	Poor
Repairs needed to vaults?	Yes	No
Air Compressor		
Compressor operational?	Yes	No
Compressor hours.	5163	Hours
Oil level checked?	Yes	No
Oil level changed?	Yes	No
Compressor trap operating?	Yes	No
Regulator operating?	Yes	No
Air lines performing properly?	Yes	No

Sampling		
Primary carbon influent sampled?	Yes	No
Primary carbon effluent sampled?	Yes	No
Secondary carbon effluent sampled?	(Yes)	No
Compliance event?	Yes	No
Time sampled.	9:30	a.m/p.m.
Product sampled?	Yes	(No)

Recovery and Disposal		
Recovery from DNAPL Drum		
Pure DNAPL to disposal drum.		Gallons
DNAPL/water to disposal drum.		Gallons
DNAPL/water to oil/water separator.		Gallons
Recovery from Oil Water Separator		
Pure DNAPL to disposal drum.		Gallons
DNAPL/water to disposal drum.		Gallons
Product, Carbon, Waste Storage		
DNAPL drums on-site (full and fractional)	1	Drums
Spent carbon drums	1	Drums
PPE/Solids drums	1	Drums
LNAPL drums	7	Drums
Drums labeled?	(res)	No
Drums palletized?	(23)	No

Notes: COMPRESSOR NOT RUNAING VALUES ON ORDER

DNAPL System		
Operational upon arrival?	Yes	(NO)
DNAPL pump pressure (arrival)		PSI
DNAPL pump pressure (departure)] PSI
Pneumatic settings adjusted?	Yes	No
Discharge control setting (departure)		Arrow
Refill qontrol setting (departure)		Arrow
DNAPL Drum High level shut off operational?	Yes	No
Green warning light operational?	Yes	No.
DNAPI, drum container integrity.	Good	Poor
Leaks present?	Yes	No
Decant valve integrity.	Good	Poor
DNAPL Pump and Piping		
DNAPL piping integrity.	Good	Poor
DNAPL pump cleaned?	Yes	No
DNAPL top of pump depth.		Feet

LNAPL/Groundwater System		
Operational upon arrival?	Yes	No
LNAPI, pump pressure (arrival)		PSI
LNAPL pump pressure (departure)		PSI
Bubbler tube operating pressure.		PSI
Pneumatic settings adjusted?	Yes	No.
Discharge control setting (departure)		Arrow
Refill control setting (departure)	,	Arrow
	`	
LNAPL Pump and Piping	1 .	
LNAPL piping integrity.	Good	Poor
LNAPL pump cleaned?	Yes	No
LNAPL top of pump depth.		Feet
1		
Oil/Water Separator		
Water high level shut-off operational?	Yes	No
White warning light operational?		No
Separator vessel integrity.	Good	Poor
Leaks present?	Yes	No
Separator cover and seal integrity.	Good	Poor
Decant valve integrity.	Good	Poor
LNAPL in separator?	Yes	(No)
Separator needs eleaning?	(Yes)	No
Separator cleaned?	Yes	(No)

Technic	ian: ART KOSKE	
Date:	4-24-07	

LNAPL/Groundwater System - (Continued)		
Transfer Pump and Piping		
Pump operational?	Yes	No
Pump integrity.	Good	Poor
Flow meter operational?	Yes	No
Transfer pump flow rate.	4.6	GPM
Totalizer reading (cumulative volume).	701311	Gallons
Water filters changed?	(35)	No
Filter unit pressure (arrival/departure)	40/12	PSI
Carbon Treatment Drums		-
Primary carbon drum integrity.	Good	Poor
Primary carbon drum leaks?	Yes	No
Primary carbon drum pressure.	7	PSI
Primary carbon removed for disposal?	Yes	No
Secondary carbon drum rotated to primary?	Yes	46
New carbon placed in primary drum?	Yes	No
Secondary earbon drum integrity.	Good	Poor ⁱ
Secondary carbon drum leaks?	Yes	(No
Secondary carbon drum pressure.	2	PSI
Secondary carbon removed for disposal?	Yes	(No)
Polishing drum rotated to secondary?	Yes	Re
New carbon placed in secondary drum?	Yes	No
Polishing carbon drum integrity.	Good	Poor
Polishing carbon drum leaks?	Yes	No
Polishing carbon drum pressure.		PSI
Polishing carbon removed for disposal?	Yes	(No >
New carbon placed in primary drum?	Yes	No
5. 1		
Discharge Piping		
Pipe integrity in shed.	Good	Poor
Pipe integrity at eatch basin.	Good	Poor
Pipe at catch basin clear?	\(\sum_{es}\)	No
Pipe integrity at creek.	Good	Poor
Pipe at creek clear?	Yes	NO

<u>Table 4-1</u>

Miscellaneous	· ·	
Building and Site Remediation shed integrity. Shed ventilation acceptable? Repairs/work needed? Spill evidence?	Good Yes Yes Yes	Poor No No
Electrical and Heating Electric controls operational Heater operational	Yes	No No

Miscellaneous - (Continued)		
Access Faults Overall vault integrity. Repairs needed to vaults?	Good	Poor
Air Compressor Compressor operational? Compressor hours. Oil level checked?	Yes 5163	No Hours No
Oil level changed? Compressor trap operating?	Yes Yes	No No
Regulator operating? Air lines performing properly?	Yes Yes	No No

Sampling		
Primary carbon influent sampled?	Yes	No
Primary carbon effluent sampled?	Yes	(No)
Secondary carbon effluent sampled?	Yeş	No
Compliance event?	Yes	No.
Time sampled.		a.m./p.m.
Product sampled?	Yes	No

Recovery and Disposal				
Recovery from DNAPL Drum				
Pure DNAPL to disposal drum.		Gallons		
DNAPL/water to disposal drum.	-	Gallons		
DNAPL/water to oil/water separator.		Gallons		
Recovery from Oil Water Separator Pure DNAPL to disposal drum. DNAPL/water to disposal drum.	<u> </u>	Gallons Gallons		
Product, Carbon, Waste Storage				
DNAPL drums on-site (full and fractional)	1	Drums		
Spent carbon drums	1	Drums		
PPE/Solids drums	1	Drums		
LNAPL drums	1	Drums		
Drums labeled?	des	No		
Drums palletized?	CES	No		

Notes:	COMPRESSOR	P	RIS	-	Fall Special	q	edi	R	
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JUN 2 0 2007

NYSDEC REG 9 FOIL REL UNREL

DNAPL System		
Operational upon arrival?	Yes	No
DNAPL pump pressure (arrival)		PSI
DNAPL pump pressure (departure)		PSI
Pneumatic settings adjusted?	Yes	No
Discharge control setting (departure)	<i>*</i>	Arrow
Refill qontrol setting (departure)		Arrow
DNAPL Drum	Yes	No
High fevel shut off operational? Green warning light operational?	Yes	No
DNAPL drum container integrity.	Good	Poor
Leaks present?	Yes	No
Decant valve integrity.	- Good	Poor
DNAPL Pump and Piping	1.0	
DNAPL piping integrity.	Good	Poor
DNAPL pump cleaned?	Yes	No
DNAPL top of pump depth.		Feet

LNAPL/Groundwater System		
Operational upon arrival?	Yes	No
LNAPI, pump pressure (arrival)		PSI
LNAPL pump pressure (departure)		PSI
Bubbler tube operating pressure.		PSI
Pneumatic settings adjusted?	Yes	No
Discharge control setting (departure)		Arrow
Refill control setting (departure)		Arrow
1		
LNAPL Pump and Pipin		
LNAPL piping integrity.	Good	Poor -
LNAPL pump cleaned?	Yes	No
LNAPL top of rump depth.		Feet
1		
Oil/Water Separator	**	
Water high level shut-off operational?	Yes	No
White warning light operational?	Yes	No
Separator vessel integrity.	Good	Poor
Leaks present?	Yes	No
Separator cover and seal integrity.	Good	Poor
Decant valve integrity.	Good	Poor
LNAPL in separator?	Yes	No
Separator needs cleaning?	Yes	No
Separator cleaned?	Yes	No

Technician:	4RT	Kos	KC		
Date: 41-	30 - C	D7	*	p 19	

	12-730-36		
	LNAPL/Groundscater System - (Continued)		
	Transfer Pump and Piping		
	Pump operational?	(Yes)	No
	Pump integrity.	Good	Poor,
	Flow meter operational?	Yes	No
	Transfer pump flow rate.	4.6	GPM :
	Totalizer reading (cumulative volume).	106532	Gallons
ı	Water filters changed?	Yes	No
	Filter unit pressure (arrival/departure)	40/14	PSI
	Contant Treatment Comme	′	
	Carbon Treatment Drums		
-	Primary carbon drum integrity.	Good.	Poor
l	Primary carbon drum leaks?	Yes	No
ı	Primary carbon drum pressure.	71/2	PSI
	Primary carbon removed for disposal?	Yes	
	Secondary carbon drum rotated to primary?	Yes	
ı	New carbon placed in primary drum?	, Yes	MO)
1		-	
1	Secondary earbon drum integrity.	Good	Poor
1	Secondary carbon drum leaks?	Yes	
	Secondary carbon drum pressure,	<u>, j</u>	PSI
1	Secondary carbon removed for disposal?	Yes	(No
1	Polishing drum rotated to secondary?	Yes	(40)
	New carbon placed in secondary drum?	Yes	
	Polishing carbon drum integrity.	Good	Poor
	Polishing carbon drum leaks?	Yes	No
	Polishing carbon drum pressure.	1	PSI
I	Polishing carbon removed for disposal?	Yes	(NO)
	New carbon placed in primary drum?	Yes	3
I		, ,	
	Discharge Piping		,
	Pipe integrity in shed.	Good	Poor
	Pipe integrity at catch basin.	Good	Poor
- [Pipe at catch basin clear?	Yes	No
	Pipe integrity at creek.	Good	Poor
	Pipe at creek clear?	Yes	No
Ľ			

Miscellaneous	t	
Building and Site		
Remediation shed integrity.	Good	Poor
Shed ventilation acceptable?	Yes	No
Repairs/work needed?	Yes	No
Spill evidence?	Yes	No
Electrical and Heating		
Electric controls operational	Yes	No
Eleater operational	Ves	- No

Miscellaneous - (Continued)	 	
Access Vaults		
Overall vault integrity,	Good	الاصل
Repairs needed to vaults?	Yes	(No.)
Air Compressor		
Compressor operational?	Yes	No
Compressor hours.	2.3s	Hours
Oil level ehecked?	Yes	No
Oil level changed?	 Yes	No
Compressor trap operating?	Yes	No
Regulator operating?	Yes *	No
Air lines performing properly?	Yes	No

Sampling		
Primary carbon influent sampled?	Yes *	3
Primary carbon effluent sampled?	Yes	(Ray)
Secondary carbon effluent sampled?	Yes	(M)
Compliance event?	Yes	(\tilde{N}_0)
Time sampled.		a.m./p.m.
Product sampled?	Yes	(R)

Recovery and Disposal		
Recovery from DNAPL Drum		
Pure DNAPI to disposal drum.	-	Gallons
DNAPL/water to disposal drum.		Gallons
DNAPL/water to oil/water separator.		Gallons
<i>∳</i>		7
Recovery from Oil Water Separator		1
Pure DNAPL to disposal drum.		Gallons
DNAPL/water to disposal drum.	` \ 	Gallons
A Section 1985	[7
Product, Carbon, Waste Storage	l	
DNAPL drums on-site (full and fractional)		Drums
Spent carbon drums		Drums
PPE/Solids drums	1	Drums
LNAPL drums		Drums
Drums labeled?	Yes	No
Drums palletized?	(Yes)	No

Notes: COMPRESSOR PARTS ON ORDER

DNAPL System		
Operational upon arrival?	Yes	(No)
DNAPL pump pressure (arrival)		PSI
DNAPL pump pressure (departure)		PSI
Pneumatic settings adjusted?	Yes	No
Discharge control setting (departure)		Arrow
Refill qontrol setting (departure)		Arrow
DNAPL Drum		
High level shut off operational?	Yes	No
Green warning light operational?	Yes	No
DNAPL drum container integrity.	Good	Poor
Leaks present?	Yes	No
Decant valve integrity.	Good	Poor
DNAPL Pump and Piping		
DNAPL piping integrity.	Good	Poor
DNAPL pump cleaned?	Yes	No
DNAPL top of pump depth.		Feet

LNAPL/Groundwater System		
Operational upon arrival?	Yes	(No)
LNAPL pump pressure (arrival)		PSI
LNAPL pump pressure (departure)		PSI
Bubbler tube operating pressure.		PSU
Pneumatic settings adjusted?	Yes	No
Discharge control setting (departure)		\Arrow
Refill control setting (departure)		Arrow
	1	
LNAPL Pump and Piping	1	
LNAPL piping integrity.	Good	Poor
LNAPL pump cleaned?	Yes	No
LNAPL top of pump depth.		Feet
Oil/Water Separator		
Water high level shut-off operational?	Yes	No
White warning light operational?	Yes	No
Separator vessel integrity.	Good	Poor
Leaks present?	Yes	(NO)
Separator cover and seal integrity.	Good	Poor
Decant valve integrity.	Good	Poor
LNAPL in separator?	Yes	No
Separator needs eleaning?	Yes	No
Separator cleaned?	Yes	No

Technician:	ART	KOS	KE		
Date: 5-6	3-07				

<u>Table 4-1</u>

LNAPL/Groundwater System - (Continued)		
Transfer Pump and Piping Pump operational? Pump integrity. Flow meter operational? Transfer pump flow rate. Totalizer reading (cumulative volume). Water filters changed? Filter unit pressure (arrival/departure)	2 3 3 5 7 7 3 5 5 3 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	No Poor No GPM Gallons No PSI
Carbon Treatment Drums Primary carbon drum integrity. Primary carbon drum leaks? Primary carbon drum pressure. Primary carbon removed for disposal? Secondary carbon drum rotated to primary? New carbon placed in primary drum? Secondary carbon drum integrity. Secondary carbon drum leaks? Secondary carbon drum pressure. Secondary carbon removed for disposal? Polishing drum rotated to secondary? New carbon placed in secondary drum?	Good Yes	P (2) 2 (2)
Polishing carbon drum integrity. Polishing carbon drum leaks? Polishing carbon drum pressure. Polishing carbon removed for disposal? New carbon placed in primary drum?	Good Yes Ycs Ycs	Poor (No PSI (No No N
Discharge Piping Pipe integrity in shed. Pipe integrity at eatch basin. Pipe at eatch basin clear? Pipe integrity at creek. Pipe at creek clear?	Good Yes Good Yes	Poor Poor No Poor No

Miscellaneous		
Building and Site Remediation shed integrity. Shed ventilation acceptable? Repairs/work needed? Spill evidence?	Gnod Yes Yes Yes	Poor No No No
Electrical and Heating Electric controls operational Heater operational	Yes Yes	No No

Site Visit Checklist/Data Sheet

Miscellaneous - (Continued)		
Access Vaults Overall vault integrity. Repairs needed to vaults?	Good Yes	Poor No
Air Compressor Compressor operational? Compressor hours.	Yes	No Hours
Oil level checked?	Yes	No
Oil level changed?	Yes	No
Compressor trap operating?	Yes	No
Regulator operating?	Yes	No
Air lines performing properly?	Yes	No

Sampling		
Primary carbon influent sampled?	Yes	No
Primary carbon effluent sampled?	Yes	(No)
Secondary carbon effluent sampled?	Yes	Man
Compliance event?	Yes	
Time sampled.		a.m./p.m.
Product sampled?	Yes	1 MO

Recovery and Disposal		
Recovery from DNAPL Drum		
Pure DNAPL to disposal drum.		Gallons
DNAPL/water to disposal drum.		Gallons
DNAPL/water to oil/water separator.		Gallons
Recovery from Oil Water Separator		
Pure DNAPL to disposal drum.		Gallons
DNAPL/water to disposal drum.		Gallons
Product, Carbon, Waste Storage		
DNAPL drums on-site (full and fractional)	1	Drums
Spent carbon drums		Drums
PPE/Solids drums	ĺ	Drums
LNAPL drums		Drums
Drums labeled?	Yes	No
Drums palletized?	Yes	No

Notes:		o		-> -0
Notes: Com?	RUSSOR	PARTS	94	orwer

DNAPL System		
Operational upon arrival?	Yes	N
DNAPL pump pressure (arrival)		PSI
DNAPL pump pressure (departure)		PSI
Pneumatic settings adjusted?	* Yes	No
Discharge control setting (departure)		Arrow
Refill qontrol setting (departure)		Arrow
DNAP Drum High level shut off operational? Green warning light operational?	Yes Yes	No No
DNAPL drum container integrity.	Good	Poor
Leaks present?	Yes	No
Decant valve integrity.	Cirrel	Poor
DNAPL Pump and Piping		
DNAPL piping integrity.	Good	Poor
DNAPL pump cleaned?	Yes	No
DNAPL top of pump depth.		Feet

LNAPL/Groundwater System		
Operational upon arrival?	Yes	(No)
LNAPI, pump pressure (arrival)		PSI
LNAPL pump pressure (departure)		PSI
Bubbler tube operating pressure.		PSI
Pneumatic settings adjusted?	Yes	No
Discharge control setting (departure)		Arrow
Refill control setting (departure)		Arrow
LNAPL Pump and Piping LNAPL piping integrity. LNAPL pump cleaned? LNAPL top of pump depth.	Good Yes	Poor No Feet
Oil/Water Separator Water high level shut-off operational? White warning light operational? Separator vessel integrity. Leaks present? Separator cover and seal integrity. Decant valve integrity. LNAPL in separator? Separator needs cleaning? Separator cleaned?	3	No No Poor Poor Poor No No

Technician: ART	KOSKE	
Date: 5-17-0	7	

<u>Table 4-1</u>

LNAPL/Groundwater System - (Continued)		
Transfer Pump and Piping		
Pump operational?	(Yes)	No
Pump integrity.	Good	Poor 🥕
Flow meter operational?	.Vcs	No
Transfer pump flow rate.	4.6	GPM
Totalizer reading (cumulative volume).		Gallons
Water filters changed?	Yes	No
Filter unit pressure (arrival/departure)	40/14	PSI
Carbon Treatment Drums		
Primary carbon drum integrity.	Good	Poor
Primary carbon drum leaks?	Yes	No
Primary earbon drum pressure.	R	PSI
Primary carbon removed for disposal?	Yes	No
Secondary carbon drum rotated to primary?	Yes	NO
New carbon placed in primary drum?	Yes	Wes .
	:	
Secondary earbon drum integrity.	Good	Poor
Secondary carbon drum leaks?	Yes	No
Secondary carbon drum pressure.	7	PSI
Secondary carbon removed for disposal?	Yes	(No)
Polishing drum rotated to secondary?	Yes	No
New carbon placed in secondary drum?	Yes	(NO)
, , , , , , , , , , , , , , , , , , , ,		
Polishing carbon drum integrity.	Good	Poor
Polishing carbon drum leaks?	Yes	(No)
Polishing carbon drum pressure.	3	PSI
Polishing carbon removed for disposal?	Yes	(No)
New carbon placed in primary drum?	Yes	Mo
Discharge Piping		
Pipe integrity in shed.	(Good)	Poor
Pipe integrity at eatch basin.	Good	Poor
Pipe at catch basin clear?	Yes	No
Pipe integrity at creek.	Good	Poor
Pipe at creek clear?	Yes	No

Miscellaneous	· ·	
Building and Site Remediation shed integrity. Shed ventilation acceptable? Repairs/work needed? Spill evidence?	Gnod Yes Yes Yes	Poor No Ro
<u>Electrical and Heating</u> Electric controls operational Heater operational	V	No No

Site Visit Checklist/Data Sheet

Miscellaneous - (Continued)		
Access Vaults		
Overall vault integrity,	Good	Poor
Repairs needed to vaults?	Yes	No.
		-
Air Compressor		
Compressor operational?	Yes	No
Compressor hours.		Hours
Oil level checked?	Yes	No
Oil level changed?	Yes	No
Compressor trap operating?	Yes	No
Regulator operating?	Yes	No
Air lines performing properly?	Yes	No

Sampling	
Primary carbon influent sampled?	Yes No
Primary carbon effluent sampled?	Yes (No)
Secondary carbon effluent sampled?	(Yes) No
Compliance event?	Ves No
Time sampled.	9:20 (a.m.p.m.
Product sampled?	Yes No

Recovery and Disposal		
Recovery from DNAPL Drum		
Pure DNAPI to disposal drum.	C. Married	Gallons
DNAPL/water to disposal drum.	مانيون	Gallons
DNAPL/water to oil/water separator.		Gallons
		-
Recovery from Oil Water Separator		
Pure DNAPL to disposal drum.	- Carrier	Gallons
DNAPL/water to disposal drum.	- Assessment	Gallons
Product, Carbon, Waste Storage		
DNAPL drums on-site (full and fractional)	1	Drums
Spent carbon drums	ĺ	Drums
PPE/Solids drums		Drums
LNAPL drums		Drums
Drums labeled?	SYes	No
Drums palletized?	(Yes)	No

Notes: COMPRESSUR PARTS

DNAPL System		
Operational upon arrival?	Yes	(No)
DNAPL pump pressure (arrival)		PSI
DNAPL pump pressure (departure)		PSI
Pneumatic settings adjusted?	Yes Yes	No
Discharge control setting (departure)		\Arrow
Refill dontrol setting (departure)		Viton
DNAPL Drum		
High level shut off operational?	Yes	No
Green warning light operational?	Yes	No
DNAPL drum container integrity.	Good	Poor
Leaks present?	Yes	No
Decant valve integrity.	Ciood	Poor
DNAPL Pump and Piping		
DNAPL piping integrity.	Good	Poor
DNAPL pump cleaned?	Yes	No
DNAPL top of pump depth.		Feet

LNAPL/Groundwater System		
Operational upon arrival?	Yes	No
LNAPI, pump pressure (arrival)		PSI
LNAPL pump pressure (departure)		PSI
Bubbler tube operating pressure.		PSI 1
Pneumatic settings adjusted?	Yes	No
Discharge control setting (departure)		Arrow
Refill control setting (departure)	, [Arrow
	`	
LNAPL Pump and Piping		
LNAPL piping integrity.	Good	Poor
LNAPL pump cleaned?	Yes	No
LNAPL top of pump depth.		Feet
Oil/Water Separator		
Water high level shut-off operational?	Yes	No
White warning light operational?	Yes	No
Separator vessel integrity.	Good	Poor
Leaks present?	Yes	No
Separator cover and seal integrity.	Good	Poor
Decant valve integrity.	(Good	Poor
LNAPL in separator?	Yes	(No)
Separator needs eleaning?	Yes	No
Separator cleaned?	Yes	\bigcirc

Technicia	1: ART	KOSKI	
Date:	5-21-	ວິງ	

	LNAPL/Groundwater System - (Continued)		
ľ	Transfer Pump and Piping		
l	Pump operational?	Yes	No
l	Pump integrity.	Good	Poor 42
١	Flow meter operational?	Yes	No :
l	Transfer pump flow rate.	3:9	GPM
l	Totalizer reading (cumulative volume).	71954	Ga <u>llons</u>
ĺ	Water filters changed?	Yes	No
	Filter unit pressure (arrival/departure)	24	PSI
	•		
	Carbon Treatment Drums		
	Primary carbon drum integrity.	Good	P <u>oo</u> r
	Primary carbon drum leaks?	Yes	No
	Primary carbon drum pressure.	H	PSI
	Primary carbon removed for disposal?	Yes	(No
	Secondary carbon drum rotated to primary?	Yes	(No)
	New carbon placed in primary drum?	Yes	CVE.
		1	
	Secondary earbon drum integrity.	Good	Poor
	Secondary carbon drum leaks?	Yes	No
	Secondary carbon drum pressure.		PSI
	Secondary carbon removed for disposal?	Yes	(%)
	Polishing drum rotated to secondary?	Ves	(No.
	New carbon placed in secondary drum?	Yes	
	rvew carbon praced in secondary drain.	163	رس ا
	Polishing carbon drum integrity.	(Good	Poor
	Polishing carbon drum leaks?	Yes	(T)
	Polishing carbon drum pressure.	1/2	IPSI
	Polishing carbon removed for disposal?	Yes	(No)
	New carbon placed in primary drum?	Yes	RO NO
	The treatment of the state of t	, с	
	Discharge Piping		
	Pipe integrity in shed.	Good	Poor
	Pipe integrity at eatch basin.	(m)	Poor
	Pipe at catch basin clear?	Yes	No
	Pipe integrity at creek.	Good	Poor
	Pipe at creek clear?	CYES)	No
	1		

Miscellaneous	t t	
Building and Site Remediation shed integrity. Shed ventilation acceptable? Repairs/work needed? Spill evidence?	Good Yes Yes Yes	Poor 20 20 20 20 20 20 20 20 20 20 20 20 20
Electrical and Heating Electric controls operational Heater operational	Yes	No No

Miscellaneous - (Continued)		
Access Vaults Overall vault integrity. Repairs needed to vaults?	Good	Poor
Air Compressor Compressor operational? Compressor hours.	Yes	No
Oil level checked?	Yes	No
Oil level changed?	Yes	No
Compressor trap operating?	Yes	No
Regulator operating?	Yes	No
Air lines performing properly?	Yes	No

Sampling		
Primary carbon influent sampled?	Yes	No
Primary carbon effluent sampled?	Yes	No
Secondary carbon effluent sampled?	Yes	NO
Compliance event?	Yes	No
Time sampled.		a.m./p.m.
Product sampled?	Yes	NO

Recovery and Disposal		
Recovery from DNAPL Drum		
Pure DNAPL to disposal drum.	_	Gallons
DNAPL/water to disposal drum.		Gallons
DNAPL/water to oil/water separator.	J	Gallons
Recovery from Oil Water Separator		
Pure DNAPL to disposal drum.		Gallons
DNAPL/water to disposal drum.		Gallons
Product, Carbon, Waste Storage		
DNAPL drums on-site (full and fractional)	ı	Drums
Spent carbon drums	i	Drums
PPE/Solids drums	(Drums
LNAPL drums	1	Drums
Drums labeled?	(Yes)	No
Drums palletized?	Yes	No

Notes: PARTS ON OFTER FOR

DNAPL System		
Operational upon arrival?	Yes	(No)
DNAPL pump pressure (arrival)		PSI
DNAPL pump pressure (departure)	35	PSI
Pneumatic settings adjusted?	* Yes	No
Discharge control setting (departure)		Arrow
Refill qontrol setting (departure)	K	Arrow
DNAPL Drum High level shut off operational? Green warning light operational? DNAPL drum container integrity. Leaks prescht? Decant valve integrity.	Good Yes Good	No No Poor No Poor
DNAPL Pump and Piping DNAPL piping integrity. DNAPL pump cleaned? DNAPL top of pump depth.	Good Yes Z4 72	Poor No Feet

LNAPL/Groundwater System		
Operational upon arrival?	Yes	No
LNAPL pump pressure (arrival)	_	PSI
LNAPL pump pressure (departure)	35	PSI
Bubbler tube operating pressure.	3	PSU
Preumatic settings adjusted?	Yes	(Na)
Discharge control setting (departure)	1	Arrow
Refill control setting (departure)	\ \	Arrow
LNAPL Pump and Piping		
LNAPL piping integrity.	Good	Poor
LNAPL pump cleaned?	Yes	No
LNAPL top of pump depth.	14	Feet
Oil/Water Separator		
Water high level shut-off operational?	(Yes)	No
White warning light operational?	Yes	No
Separator vessel integrity.	Good	Poor
Leaks present?	Yes	(No)
Separator cover and seal integrity.	Good	Poor
Decant valve integrity.	Good	Poor
LNAPL in separator?	Yes	(No
Separator needs elepning?	Yes	No
Separator cleaned?	Yes	No

Technician:	ART	KOSKIL	
	-1-07		

LNAPL/Groundwater System - (Continued)		
Transfer Pump and Piping Pump operational? Pump integrity. Flow meter operational? Transfer pump flow rate. Totalizer reading (cumulative volume). Water filters changed? Filter unit pressure (arrival/departure)	753081 753081 753081 753081	No Poor No GPM Gallons No PSI
Carbon Treatment Drums Primary carbon drum Integrity. Primary carbon drum leaks? Primary carbon drum pressure. Primary carbon removed for disposal? Secondary carbon drum rotated to primary? New carbon placed in primary drum?	Good Yes Yes Yes Yes	Poor No PST No No No No
Secondary carbon drum integrity. Secondary carbon drum leaks? Secondary carbon drum pressure. Secondary carbon removed for disposal? Polishing drum rotated to secondary? New carbon placed in secondary drum?	Yes Yes Yes Yes	Poer No. DE No.
Polishing carbon drum integrity. Polishing carbon drum leaks? Polishing carbon drum pressure. Polishing carbon removed for disposal? New carbon placed in primary drum?	Yes Yes Yes	Poor No PSI No
Discharge Piping Pipe integrity in shed. Pipe integrity at eatch basin. Pipe at eatch basin clear Pipe integrity at creek. Pipe at creek clear?	Good Good Good Yes	Poor Poor No Poor No

Miscellaneous	 t	
Building and Site Remediation shed integrity. Shed ventilation acceptable? Repairs/work needed? Spill evidence?	Gnod Yes Yes Yes	Poor No No
Electrical and Heating Electric controls operational Heater operational	Yes	No No

Miscellancous - (Continued)		
Access Faults Overall vault integrity. Repairs needed to vaults?	Good	Poor
Air Compressor Compressor operational? Compressor hours. Oil level checked? Oil level changed? Compressor trap operating? Regulator operating? Air lines performing properly?	2.1.6.1 2.1.6.1 2.1.6.1 7.0.1	No Hours No No No No No

Sampling		
Primary carbon influent sampled?	Yes	No
Primary carbon effluent sampled?	Yes	No
Secondary carbon effluent sampled?	Yes	(No)
Compliance event?	Yes	No
Time sampled.		a.m./p.m.
Product sampled?	Yes	No.

Recovery and Disposal		
Recovery from DNAPL Drum Pure DNAPL to disposal drum. DNAPL/water to disposal drum. DNAPL/water to oil/water separator.		Gallons Gallons Gallons
Recovery from Oil Water Separator Pure DNAPL to disposal drum. DNAPL/water to disposal drum.		Gallons Gallons
Product, Carbon, Waste Storage DNAPL drums on-site (full and fractional) Spent carbon drums PPE/Solids drums LNAPL, drums Drums labeled? Drums palletized?	Yes	Drums Drums Drums Drums No

Notes: FIXED COMPRESSOR + RESTARTED

<u> Table 4-1</u>

Site Visit Checklist/Data Sheet

DNAPL System		
Operational upon arrival?	(SES)	/ No
DNAPL pump pressure (arrival)	50	PSI
DNAPL pump pressure (departure)	30	PSI
Pneumatic settings adjusted?	· Yes	No
Discharge control setting (departure)	R	Arron
Refill dontrol setting (departure)	K	Arrow
DNAPA Drum		
High level shut off operational?		No
Green warning light operational?	(Yes)	No
DNAPL drum container integrity.	Good	Poor
Leaks present?	, Yes	
Decant valve integrity.	Ciond	Poor
DNAPL Pump and Piping		
DNAPL piping integrity.	Good	Poor
DNAPL pump cleaned?	Yes	No
DNAPL top of pump depth.	24/12	Feet

LNAPL/Groundwater System		
Operational upon arrival? LNAPL pump pressure (arrival) LNAPL pump pressure (departure) Bubbler tube operating pressure. Pneumatic settings adjusted? Discharge control setting (departure) Refill control setting (departure)	75 35 35 35 3 Yes	No PSI PSI PSI No Arrow
LNAPL Pump and Piping LNAPL pining integrity. LNAPL pump cleaned? LNAPL top of pump depth.	Good Yes	Poor No Feet
Oil/Water Separator Water high level shut-off operational? White warning light operational? Separator vessel integrity. Leaks present? Separator cover and seal integrity. Decant valve integrity. LNAPL in separator? Separator needs eleaning? Separator cleaned?	Yes Yes Good Good Yes Yes Yes	No No Poor No Poor Poor No No No

Technician:	ART	KOSKC
Date: (0'-	7-0	7

LNAPL/Groundwater System - (Continued)		
Transfer Pump and Piping Pump operational? Pump integrity. Flow meter operational? Transfer pump flow rate. Totalizer reading (cumulative volume). Water filters changed?	4.6 725337	No Poor No GPM Gallons
Filter unit pressure (arrival/departure) Carbon Treatment Drums Primary carbon drum integrity. Primary carbon drum leaks? Primary carbon drum pressure. Primary carbon removed for disposal? Secondary carbon drum rotated to primary? New carbon placed in primary drum?	Good Yes Yes Yes Yes Yes	Poor Solves Solves
Secondary carbon drum integrity. Secondary carbon drum leaks? Secondary carbon drum pressure. Secondary carbon removed for disposal? Polishing drum rotated to secondary? New carbon placed in secondary drum?	Good Yes Yes Yes Yes	Poer (2) F(20)(2) (2)
Polishing carbon drum integrity. Polishing carbon drum leaks? Polishing carbon drum pressure. Polishing carbon removed for disposal? New carbon placed in primary drum?	Yes Yes Yes Yes	Poor NO PSI NO
Discharge Piping Pipe integrity in shed. Pipe integrity at catch basin. Pipe at catch basin clear? Pipe integrity at creek. Pipe at creek clear?	Good C'cs Good Yes	Poor Poor No Poor No

Miscellaneous	t t	
Building and Site Remediation shed integrity. Shed ventilation acceptable? Repairs/work needed? Spill evidence?	Gnod Yes Yes Yes	Poor No No
Electrical and Heating Electric controls operational Heater operational		No No

Miscellaneous - (Continued)		
Access Vaults Overall vault integrity, Repairs needed to vaults?	Good	Poor
Air Compressor Compressor operational? Compressor hours. Oil level checked? Oil level changed? Compressor trap operating? Regulator operating? Air lines performing properly?	Yes Yes Yes Yes	No Hours No No No No

Sampling		
Primary carbon influent sampled?	Yes	No
Primary carbon effluent sampled?	Yes	(No)
Secondary carbon effluent sampled?	Yes	(No.)
Compliance event?	Yes	
Time sampled.		a.m./p.m.
Product sampled?	Yes	

Recovery and Disposal		
Recovery from DNAPL Drum	a .5	5
Pure DNAPL to disposal drum.	CO 7.	Gallons
DNAPL/water to disposal drum.		Gallons
DNAPL/water to oil/water separator.		Gallons
Recovery from Oil Water Separator		
Pure DNAPL to disposal drum.]	Gallons
DNAPL/water to disposal drum.	-	Gallons
Product, Carbon, Waste Storage		
DNAPL drums on-site (full and fractional)	ı	Drums
Spent carbon drums	ì	Drums
PPE/Solids drums	1	Drums
LNAPL drums	1	Drums
Drums labeled?	(Yes)	No
Drums palletized?	Yes	No

DNAPL System		
Operational upon arrival?	(FIX)	(No)
DNAPL pump pressure (arrival)	47	PSI
DNAPL pump pressure (departure)	42	PSI
Pneumatic settings adjusted?	Yes	No.
Discharge control setting (departure)		Arron
Refill qontrol setting (departure)	K	Arrow
DNAPL Drum High level shut off operational? Green warning light operational? DNAPL drum container integrity. Leaks present? Decant valve integrity.	S YES (EE)	No No Poor No Poor
DNAPL Pump and Piping DNAPL piping integrity. DNAPL pump cleaned? DNAPL top of pump depth.	Good Yes	Poor No Feet
State to tolk or hand, activity	1 27 /2	

LNAPL/Groundwater System		
Operational upon arrival? LNAPL pump pressure (arrival) LNAPL pump pressure (departure) Bubbler tube operating pressure. Preumatic settings adjusted? Discharge control setting (departure) Refill control setting (departure)	35	No PSI PSI PSI Arrow Arrow
LNAPL Pump and Piping LNAPL piping integrity. LNAPL pump cleaned? LNAPL top of pump depth.	Good Yes 14	Poor No Feet
Oil/Water Separator Water high level shut-off operational? White warning light operational? Separator vessel integrity. Leaks present? Separator cover and seal integrity. Decant valve integrity. LNAPL in separator? Separator needs cleaning? Separator cleaned?	इडिइडिइडिइडि	No No Poor Poor Poor No No No

Technician	: ART	KOSKR	
Date:	10-12-	o7	

LNAPU/Groundwater System - (Continued)		
Transfer Pump and Piping		
Pump operational?	Yes	No
Pump integrity.	Good	Poor 🛷
Flow meter operational?	Yes	No
Transfer pump flow rate.	4.3	GPM
Totalizer reading (cumulative volume).	726756	Gallons
Water filters changed?	Yes	(
Filter unit pressure (arrival/departure)	18/18	PSI
Carbon Treatment Drums		
Primary carbon drum integrity.	Good	Poor
Primary carbon drum leaks?	Yes	No
Primary carbon drum pressure.	4	1751
Primary carbon removed for disposal?	Yes	No
Secondary carbon drum rotated to primary?	Yes	No
New carbon placed in primary drum?	Yes	CNO
	1	
Secondary earbon drum integrity.	Good	Poor
Secondary carbon drum leaks?	Yes	(No)
Secondary earbon drum pressure.	1112	PSI
Secondary carbon removed for disposal?	Yes	(No.)
Polishing drum rotated to secondary?	Yes	(No)
New carbon placed in secondary drum?	Yes	No
		<u> </u>
Polishing carbon drum integrity,	Good	Poor
Polishing carbon drum leaks?	Yes	(No)
Polishing carbon drum pressure.	0	PSI
Polishing carbon removed for disposal?	Yes	(No)
New carbon placed in primary drum?	Yes	100
•	1	
Discharge Piping	1	
Pipe integrity in shed.	Good	Poor
Pipe integrity at catch basin.	Good	Poor
Pipe at catch basin clear?	Yes	No
Pipe integrity at creek.	Good	Poor
Pipe at creek clear?	(Yes)	No

Miscellaneous	 t	
<u>Building and Site</u> Remediation shed integrity.	Gnod	Poor
Shed ventilation acceptable?	Yes	No
Repairs/work needed?	Yes	No
Spill evidence?	Yes	MO
Electrical and Heating		
Electric controls operational	Yes	No
Heater operational	Yes	No

Miscellaneous - (Continued)		
Access Vaults Overall vault integrity, Repairs needed to vaults?	Good Yes	Poor
Air Compressor Compressor operational? Compressor hours. Oil level checked? Oil level changed? Compressor trap operating? Regulator operating? Air lines performing properly?	\(\partial \text{\text{\$\frac{\partial \text{\$\frac{\partial \text{\$\frac{\text{\$\frac{\partial \text{\$\frac{\partial \text{\$\frac{\epsilon \text{\$\frac{\epsilon \text{\$\	No Hours No No No No

Sampling		
Primary carbon influent sampled?	Yes	No
Primary carbon effluent sampled?	Yes	(No)
Secondary carbon effluent sampled?	Yes	No
Compliance event?	Yes	No
Time sampled.		a.m./p.m.
Product sampled?	Yes	No

Recovery and Disposal		
Recovery from DNAPL Drum		
Pure DNAPL to disposal drum.		Gallons
DNAPL/water to disposal drum.	C-Appellant	Gallons
DNAPL/water to oil/water separator.		Gallons
Recovery from Oil-Water Separator		
Pure DNAPL to disposal drum.		Gallons
DNAPL/water to disposal drum.		Gallons
		1
Product, Carbon, Waste Storage		j
DNAPL drums on-site (full and fractional)		Drums
Spent carbon drums		Drums
PPE/Solids drums	1	Drums
LNAPL drums	i	Drums
Drums labeled?	(Yes)	No
Drums palletized?	es	No

Notes: DNAPL TRANSFER LINE FLUGED, UNPLUGED BY BLOW, NG AIR OPPOSITE DIRECTION IN LINE.

DNAPL System		
Operational upon arrival? DNAPL pump pressure (arrival) DNAPL pump pressure (departure) Pneumatic settings adjusted? Discharge control setting (departure) Refill quotrol setting (departure)	Yes 44 Yes	No PSI PSI No Arrow
DNAPL Drum High level shut off operational? Green warning light operational? DNAPL drum container integrity. Leaks present? Decant valve integrity.	Yes Yes Good Yes	No No Poor No Poor
DNAPL Pump and Piping DNAPL piping integrity. DNAPL pump cleaned? DNAPL top of pump depth.	Ciond Yes Z4 1/2	Poor No Feet

LNAPL/Groundwater System		
Operational upon arrival?	Yes	No
LNAPI, pump pressure (arrival)	40	PSI
LNAPL pump pressure (departure)	40	PSI
Bubbler tube operating pressure.	<u> </u>	PSI
Pneumatic settings adjusted?	Yes	No
Discharge control setting (departure)	1	Arrow
Refill control setting (departure)	\ ->	Arrow
LNAPL Pump and Piping		
LNAPL piping integrity.	Good	Poor
LNAPL pump cleaned?	Yes	No
LNAPL top of pump depth.	14	Feet
'		
Oil/Water Separator		
Water high level shut-off operational?	(Yes)	No
White warning light operational?	Yes	No
Separator vessel integrity.	Good	Poor
Leaks present?	Yes	No
Separator cover and seal integrity.	Good)	Poor
Decant valve integrity.	Good	Poor
LNAPL in separator?	Yes	
Separator needs eleaning?	4 9	No
Separator cleaned?	Yes	

Technician	A	ART	KOSKR
Date:	0-20-	07	

<u>Table 4-1</u>

LNAPL/Groundwater System - (Continued)		
Transfer Pump and Piping		
Pump operational?	Yes	No
Pump integrity.	Good	Poor
Flow meter operational?	Yes	No
Transfer pump flow rate.	3.8	GPM
Totalizer reading (cumulative volume).	728480	Gallons
Water filters changed?	Yes	No
Filter unit pressure (arrival/departure)	24/12	PSI
Carbon Treatment Drums		
Primary carbon drum integrity.	Good	Poor
Primary carbon drum leaks?	Yes	(No)
Primary earbon drum pressure.	3	PSI
Primary carbon removed for disposal?	Yes	(No)
Secondary carbon drum rotated to primary?	Yes	NO
New carbon placed in primary drum?	, Yes	No
Secondary earbon drum integrity.	Good	Poor
Secondary carbon drum leaks?	Yes	(No)
Secondary earbon drum pressure.	1	PSI
Secondary carbon removed for disposal?	Yes	No
Polishing drum rotated to secondary?	Yes	No
New carbon placed in secondary drum?	Yes	No
ress carbon placed in secondary druin.	163	
Polishing carbon drum integrity.	Good	Poor
Polishing carbon drum leaks?	Yes	(No)
Polishing carbon drum pressure.	1/2	PSI
Polishing carbon removed for disposal?	Yes	No
New carbon placed in primary drum?	Yes	No
Discharge Piping		
Pipe integrity in shed.	Good	Poor
Pipe integrity at eatch basin.	Good	Poor
Pipe at catch basin clear?	Yes	No
Pipe integrity at creek.	Good	Poor
Pipe at creek clear?	Yes	No
<u> </u>		

Miscellaneous	t t	
Building and Site Remediation shed integrity. Shed ventilation acceptable? Repairs/work needed? Spill evidence?	Gnod Yes Yes Yes	Poor No No No
Electrical and Heating Electric controls operational Heater operational	Yes	No No

Site Visit Checklist/Data Sheet

Miscellaneous - (Continued)		
Access Vaults Overall vault integrity. Repairs needed to vaults?	Good Yes	Poor
Air Compressor Compressor operational? Compressor hours. Oil level checked? Oil level changed? Compressor trap operating? Regulator operating? Air lines performing properly?	3225 925 925 925 925 925 925 925 925	No Hours No No No No No

Sampling		
Primary carbon influent sampled?	Yes	No
Primary carbon effluent sampled?	Yes	No
Secondary carbon effluent sampled?	Yes	No
Compliance event?	Yes	No
Time sampled.		a.m./p.m.
Product sampled?	Yes	No

Recovery and Disposal		
Recovery from DNAPL Drum		
Pure DNAPL to disposal drum.		Gallons
DNAPL/water to disposal drum.	ı	Gallons
DNAPL Avater to oil/water separator.	4	Gallons
Recovery from Oil Water Separator		
Pure DNAPL to disposal drum.	-	Gallons
DNAPL/water to disposal drum.		Gallons
Praduct, Carbon, Waste Storage		
DNAPL drums on-site (full and fractional)	i	Drums
Spent carbon drums		Drums
PPE/Solids drums	1	Drums
LNAPL drums	1	Drums
Drums labeled?	(cs)	No
Drums palletized?	(Yes)	No

DNAPL System		
Operational upon arrival?	Yes	No
DNAPL pump pressure (arrival)	42	PSI
DNAPL pump pressure (departure)	42	PSI
Pneumatic settings adjusted?	Yes	
Discharge control setting (departure)		Arron
Refill qontrol setting (departure)	K	Arrow
DNAPL Drum High level shut off operational? Green warning light operational? DNAPL drum container integrity. Leaks present? Decant valve integrity.	Yes Good Yes Good	No No Poor No Poor
DNAPL Pump and Piping DNAPL piping integrity. DNAPL pump cleaned? DNAPL top of pump depth.	Good Yes 74.5	Poor No Feet

LNAPL/Groundwater System		
Operational upon arrival?	Yes	No
LNAPI, pump pressure (arrival)	35	PSI
LNAPL pump pressure (departure)	35	PSI
Bubbler tube operating pressure.	3	PSI PSI
Pneumatic settings adjusted?	Yes	No
Discharge control setting (departure)	1	Arrow
Refill control setting (departure)	->	Arrow
`		
LNAPL Pump and Piping		1
LNAPL piping integrity.	Good	Poor
LNAPL pump cleaned?	Yes	No
LNAPL top of pump depth.	14	Feet
Oil/Water Separator		
Water high level shut-off operational?	(Yes)	No
White warning light operational?	Yes	No
Separator vessel integrity.	Good	Poor
Leaks present?	Yes	(No.)
Separator cover and seal integrity.	Good	Poor
Decant valve integrity.	Good	Poor
LNAPL in separator?	(₹cs)	No
Separator needs eleaning?	Yes	No
Separator cleaned?	Yes	(No)

Technician	ART	KOSKC	
Date:	10-77-	07	

<u>Table 4-1</u>

LNAPL/Groundwater System - (Continued)		
Transfer Pump and Piping		ř
Pump operational?	Yes	No
Pump integrity.	Good	Poor 🦯
Flow meter operational?	Yes	No
Transfer pump flow rate.	3.1	GPM
Totalizer reading (cumulative volume).	729636	Gallons
Water filters changed?	Yes	No
Filter unit pressure (arrival/departure)	14	PSI
Carbon Treatment Drums		
Primary carbon drum integrity.	Good	Poor
Primary carbon drum leaks?	Yes	(M)
Primary carbon drum pressure.	5	PSI
Primary carbon removed for disposal?	Yes	No
Secondary carbon drum rotated to primary?	Yes	
New carbon placed in primary drum?	Yes !	M
Secondary carbon drum integrity.	Good	Poor
Secondary carbon drum leaks?	; Yes	(No
Secondary earbon drum pressure.	-3	PSI
Secondary carbon removed for disposal?	Yes	(No)
Polishing drum rotated to secondary?	Yes	NO
New carbon placed in secondary drum?	Yes	(No.
Polishing carbon drum integrity.	Good	Poor
Polishing carbon drum leaks?	Yes	(NO)
Polishing carbon drum pressure.	1	PSI
Polishing carbon removed for disposal?	Yes	(4D)
New carbon placed in primary drum?	Yes	1
Discharge Piping		•
Pipe integrity in shed.	Good	Poor
Pipe integrity at entch basin.	Good	Poor
Pipe at catch basin clear?	Yes	No
Pipe integrity at creek.	Good	Poor
Pipe at creek clear?	Yes	No

Miscellaneous	· ·
Building and Site Remediation shed integrity. Shed ventilation acceptable? Repairs/work needed? Spill evidence?	Good Yes Yes Yes No
Electrical and Heating Electric controls operational Heater operational	Yes No

	3 3 3 3	5756
Miscellaneous - (Continued)		
Access Vaults		
Overall gault integrity.	Good	Poor
Repairs needed to vaults?	"Yes	No
Air Compressor		
Compressor operational?	Yes	No
Compressor hours.	5234	Hours
Oil level checked?	(CES)	No
Oil level changed?	Yes	No
Compressor trap operating?	(Tes)	No
Regulator operating?		No
Air lines performing properly?	(Yes)	No

Sampling		
Primary carbon influent sampled?	Yes	No
Primary carbon effluent sampled?	Yes	No
Secondary carbon effluent sampled?	Yes	(No)
Compliance event?	Yes	No
Time sampled.		a.m./p.m.
Product sampled?	Yes	No

Recovery and Disposal		
Recovery from DNAPL Drum Pure DNAPL to disposal drum. DNAPL/water to disposal drum. DNAPL/water to oil/water separator.	011	Gallons Gallons Gallons
Recovery from Oil-Water Separator Pure DNAPL, o disposal drum. DNAPL/water to disposal drum.		Gallons Gallons
Product, Carbon, Waste Storage DNAPL drums on-site (full and fractional) Spent carbon drums PPE/Solids drums LNAPL drums Drums labeled?	V(cs)	Drums Drums Drums Drums No
Drums palletized?	(G)	No

DNAPL System		
Operational upon arrival?	Yes	No
DNAPL pump pussure (arrival)	42	PSI
DNAPL pump pressure (departure)	42	PSI
Pneumatic settings adjusted?	Yes	No
Discharge control setting (departure)	R	Arrow
Refill control setting (departure)	K	Arrow
DNAPL Drum		
High level shut off operational?	Yes	No
Green warning light operational?	Yes	No
DNAPL drum container integrity.	Good	Poor
Leaks present?	Yes	No
Decant valve integrity.	Good	Poor
DNAPL Pump and Piping		
DNAPL piping integrity.	Good	Poor
DNAPL pump cleaned?	Yes	(No)
DNAPL top of pump depth.	241/2	Feet

LNAPL/Groundwater System		
Operational upon arrival?	Yes	No
LNAPL pump pressure (arrival)	35	PSI
LNAPL pump pressure (departure)	35	PSI
Bubbler tube operating pressure.	3	PSI
Pneumatic settings adjusted?	Yes	No
Discharge control setting (departure)	4	Arrow
Refill control setting (departure)	->	Arrow
LNAPL Pump and Piping		
LNAPL piping integrity.	Good	Poor
LNAPL pump cleaned?	Yes	No
LNAPL top of pump depth.	14	Feet
Oil/Water Separator		
Water high level shut-off operational?	Yes	No
White warning light operational?	Yes	No
Separator vessel integrity.	Good	Poor
Leaks present?	Yes	No
Separator cover and seal integrity.	Good	Poor
Decant valve integrity.	Good	Poor
LNAPL in separator?	Yes	No
Separator needs cleaning?	Yes	No
Separator cleaned?	Yes	W

Technician: ALT KOSKR

Date: 7-6-07

Table 4-1

LNAPL/Groundwater System - (Continued) Transfer Pump and Piping	T	
Pump operational?	Yes	No
Pump integrity.	Good	Poor
Flow meter operational?	Yes	No
Transfer pump flow rate.	200	GPM
Totalizer reading (cumulative volume).	22/2011	Gallons
Water filters changed?	13/001 Yes	No
Filter unit pressure (arrival/departure)	1 es	PSI
ritter unit pressure (arrival/departure)	17/14	P51
Carbon Treatment Drums		
Primary carbon drum integrity.	Good	Poor
Primary carbon drum leaks?	Yes	No
Primary carbon drum pressure.	5	PSI
Primary carbon removed for disposal?	Yes	No
Secondary carbon drum rotated to primary?	Yes	No
New carbon placed in primary drum?	Yes	No
Secondary carbon drum integrity.	Good	Poor
Secondary carbon drum leaks?	Yes	No
Secondary carbon drum pressure.	272	PSI
Secondary carbon removed for disposal?	Yes	(No)
Polishing drum rotated to secondary?	Yes	No
New carbon placed in secondary drum?	Yes	No
Polishing carbon drum integrity.	Good	Poor
Polishing carbon drum leaks?	Yes	No
Polishing carbon drum pressure.	1	PSI
Polishing carbon removed for disposal?	Yes	No
New carbon placed in primary drum?	Yes	No
Discharge Piping		
Pipe integrity in shed.	Good	Poor
Pipe integrity at catch basin.	Good	Poor
Pipe at catch basin clear?	Yes	No
Pipe integrity at creek.	Good	Poor
Pipe at creek clear?	Yes	No

Miscellaneous		
Building and Site Remediation shed integrity. Shed ventilation acceptable?	Good Yes	Poor No
Repairs/work needed? Spill evidence?	Yes Yes	No No
Electrical and Heating Electric controls operational Heater operational	Yes Yes	No No

Site Visit Checklist/Data Sheet

Miscellaneous - (Continued)	**:	
Access Vaults		
Overall vault integrity.	Good	Poor
Repairs needed to vaults?	Yes	No
Air Compressor		
Compressor operational?	Yes	No
Compressor hours.	5244	Hours
Oil level checked?	Yes	No
Oil level changed?	Yes	No
Compressor trap operating?	Yes	No
Regulator operating?	Yes	No
Air lines performing properly?	Yes	No

Sampling		
Primary carbon influent sampled?	Yes	No
Primary carbon effluent sampled?	Yes	No
Secondary carbon effluent sampled?	Yes	No
Compliance event?	Yes	No
Time sampled.		a.m./p.m.
Product sampled?	Yes	No

Recovery and Disposal		
Recovery from DNAPL Drum		
Pure DNAPL to disposal drum.	C PROGRAM	Gallons
DNAPL/water to disposal drum.	1	Gallons
DNAPL/water to oil/water separator.	14	Gallons
Recovery from Oil/Water Separator		
Pure DNAPL to disposal drum.		Gallons
DNAPL/water to disposal drum.	IPINT	Gallons
Product, Carbon, Waste Storage		
DNAPL drums on-site (full and fractional)	1	Drums
Spent carbon drums		Drums
PPE/Solids drums		Drums
LNAPL drums	1	Drums
Drums labeled?	Yes	No
Drums palletized?	Yes	No

DNAPL System		
Operational upon arrival?	Yes	No
DNAPL pump pressure (arrival)	45-	PSI
DNAPL pump pressure (departure)	45	PSI
Pneumatic settings adjusted?	Yes	No
Discharge control setting (departure)	K	Arrow
Refill control setting (departure)	iZ	Arrow
DNAPL Drum High level shut off operational? Green warning light operational? DNAPL drum container integrity. Leaks present? Decant valve integrity.	Yes Ces Good Yes	No No Poor No Poor
DNAPL Pump and Piping DNAPL piping integrity. DNAPL pump cleaned? DNAPL top of pump depth.	Good Yes Z.4 /Z	Poor No Feet

LNAPL/Groundwater System		
Operational upon arrival?	Yes	No
LNAPL pump pressure (arrival)	40	PSI
LNAPL pump pressure (departure)	40	PSI
Bubbler tube operating pressure.	3	PSI
Pneumatic settings adjusted?	Yes	(No)
Discharge control setting (departure)	1	Arrow
Refill control setting (departure)	→	Arrow
LNAPL Pump and Piping		
LNAPL piping integrity.	Good	Poor
LNAPL pump cleaned?	Yes	No
LNAPL top of pump depth.	14'	Feet
Oil/Water Separator		
Water high level shut-off operational?	Yes	No
White warning light operational?	Yes	No
Separator vessel integrity.	Good	Poor
Leaks present?	Yes	No
Separator cover and seal integrity.	Good	Poor
Decant valve integrity.	Good	Poor
LNAPL in separator?	Yes	No
Separator needs cleaning?	Yes	No
Separator cleaned?	Yes	No

Technician: ART KOSKE

Date: 7-18-07

<u>Table 4-1</u>

LNAPL/Groundwater System - (Continued)		
Transfer Pump and Piping		
Pump operational?	Yes	No
Pump integrity.	Good	Poor
Flow meter operational?	Yes	No
Transfer pump flow rate.	4.9	GPM
Totalizer reading (cumulative volume).	732897	Gallons
Water filters changed?	. Yes	(No)
Filter unit pressure (arrival/departure)	14/14	PSI
Carbon Treatment Drums		
Primary carbon drum integrity.	Good	Poor
Primary carbon drum leaks?	Yes	(No
Primary carbon drum pressure.	5	PSI
Primary carbon removed for disposal?	Yes	No
Secondary carbon drum rotated to primary?	Yes	No
New carbon placed in primary drum?	Yes	®
Secondary carbon drum integrity.	Good	Poor
Secondary carbon drum leaks?	Yes	No
Secondary carbon drum pressure.	2,5	PSI
Secondary carbon removed for disposal?	Yes	(NO)
Polishing drum rotated to secondary?	Yes	No.
New carbon placed in secondary drum?	Yes	√ N ₀)
Polishing carbon drum integrity.	Good	Poor
Polishing carbon drum leaks?	Yes	No
Polishing carbon drum pressure.		PSI
Polishing carbon removed for disposal?	Yes	No
New carbon placed in primary drum?	Yes	No
Discharge Piping		
Pipe integrity in shed.	Good	Poor
Pipe integrity at catch basin.	Good	Poor
Pipe at catch basin clear?	Ves	No
Pipe integrity at creek.	Good	Poor
Pipe at creek clear?	Tes	No

Miscellaneous		
Building and Site		
Remediation shed integrity.	Good	Poor
Shed ventilation acceptable?	Yes	No
Repairs/work needed?	Yes	No
Spill evidence?	Yes	No
Electrical and Heating		
Electric controls operational	Yes	No
Heater operational	Yes	No

Site Visit Checklist/Data Sheet

Miscellaneous - (Continued)	44.1	
Access Vaults		
Overall vault integrity.	Good	Poor
Repairs needed to vaults?	Yes	(No)
Air Compressor		
Compressor operational?	Yes	No
Compressor hours.	5257	Hours
Oil level checked?	Yes	No
Oil level changed?	Yes	(No)
Compressor trap operating?	Yes	No
Regulator operating?	Yes	No
Air lines performing properly?	Yes	No

Sampling			
Primary carbon influent sam	pled?	Yes	B
Primary carbon effluent sam	pled?	Yes	Q10
Secondary carbon effluent sa	ampled?	Yes	(NO)
Compliance event?		Yes	No
Time sampled.			a.m./p.m.
Product sampled?		Yes	No

Recovery and Disposal		
Recovery from DNAPL Drum		
Pure DNAPL to disposal drum.	G	allons
DNAPL/water to disposal drum.	1 G	allons
DNAPL/water to oil/water separator.	12 G	allons
Recovery from Oil/Water Separator		
Pure DNAPL to disposal drum.	— G	allons
DNAPL/water to disposal drum.	G	allons
Product, Carbon, Waste Storage		
DNAPL drums on-site (full and fractional)		Orums
Spent carbon drums	/ I	Drums
PPE/Solids drums	/ I	Orums
LNAPL drums	I	Drums
Drums labeled?	Yes	No
Drums palletized?	Yes	No

DNAPL System		
Operational upon arrival?	Yes	No
DNAPL pump pressure (arrival)	42	PSI
DNAPL pump pressure (departure)	42	PSI
Pneumatic settings adjusted?	Yes	No
Discharge control setting (departure)	K	Arrow
Refill control setting (departure)	1	Arrow
DNAPL Drum		
High level shut off operational?	Yes	No
Green warning light operational?	Yes	No
DNAPL drum container integrity.	Good	Poor
Leaks present?	Yes	(NO)
Decant valve integrity.	Good	Poor
DNAPL Pump and Piping		
DNAPL piping integrity.	Good	Poor
DNAPL pump cleaned?	Yes	No
DNAPL top of pump depth.	2412	Feet

LNAPL/Groundwater System		
Operational upon arrival?	(Yes)	No
LNAPL pump pressure (arrival)	35	PSI
LNAPL pump pressure (departure)	35	PSI
Bubbler tube operating pressure.	7.9	PSI
Pneumatic settings adjusted?	Yes	№
Discharge control setting (departure)	1	Arrow
Refill control setting (departure)	\rightarrow	Arrow
LNAPL Pump and Piping		
LNAPL piping integrity.	Good	Poor
LNAPL pump cleaned?	Yes	No
LNAPL top of pump depth.	14	Feet
Oil/Water Separator		
Water high level shut-off operational?	Yes	No
White warning light operational?	Yes	No
Separator vessel integrity.	Good	Poor
Leaks present?	Yes	No
Separator cover and seal integrity.	Good	Poor
Decant valve integrity.	Good	Poor
LNAPL in separator?	Yes	No
Separator needs cleaning?	Yes	No
Separator cleaned?	Yes	(No)

Technician: ART KOSKE

Date: 7-27-07

<u>Table 4-1</u>

LNAPL/Groundwater System - (Continued)		
Transfer Pump and Piping Pump operational? Pump integrity. Flow meter operational? Transfer pump flow rate. Totalizer reading (cumulative volume). Water filters changed? Filter unit pressure (arrival/departure)	Yes Good Yes 4. 7 735752 Yes	No Poor No GPM Gallons
Carbon Treatment Drums Primary carbon drum integrity. Primary carbon drum leaks? Primary carbon drum pressure. Primary carbon removed for disposal? Secondary carbon drum rotated to primary? New carbon placed in primary drum?	Good Yes 24'/7 Yes Yes Yes	PO 25 (2) (2) (2)
Secondary carbon drum integrity. Secondary carbon drum leaks? Secondary carbon drum pressure. Secondary carbon removed for disposal? Polishing drum rotated to secondary? New carbon placed in secondary drum?	Good Yes Yes Yes Yes	Poor (2) PSI (2) (2) (2)
Polishing carbon drum integrity. Polishing carbon drum leaks? Polishing carbon drum pressure. Polishing carbon removed for disposal? New carbon placed in primary drum?	Good Yes Yes Yes	Poor PSI NO (C)
Discharge Piping Pipe integrity in shed. Pipe integrity at catch basin. Pipe at catch basin clear? Pipe integrity at creek. Pipe at creek clear?	Good Good Yes Good Yes	Poor Poor No Poor No

Miscellaneous		
Building and Site	at or man	
Remediation shed integrity.	Good	Poor
Shed ventilation acceptable?	Yes	No
Repairs/work needed?	Yes	(No)
Spill evidence?	Yes	No
Electrical and Heating		
Electric controls operational	Yes	No
Heater operational	Yes	No

Site Visit Checklist/Data Sheet

Miscellaneous - (Continued)	24.72	
Access Vaults	-	
Overall vault integrity.	Good	Poor
Repairs needed to vaults?	Yes	No
Air Compressor		
Compressor operational?	Yes	No
Compressor hours.	5285	Hours
Oil level checked?	(CES)	No
Oil level changed?	Yes	\bigcirc
Compressor trap operating?	Yes	No
Regulator operating?	Yes	No
Air lines performing properly?	Yes)	No

Sampling		
Primary carbon influent sampled?	des)	No
Primary carbon effluent sampled?	Yes	No
Secondary carbon effluent sampled?	Yes	No
Compliance event?	(Yes)	No
Time sampled.	14:45	a.m./p.m.
Product sampled?	Yes	(No)

Recovery and Disposal		
Recovery from DNAPL Drum		
Pure DNAPL to disposal drum.		Gallons
DNAPL/water to disposal drum.		Gallons
DNAPL/water to oil/water separator.	7	Gallons
Recovery from Oil/Water Separator		
Pure DNAPL to disposal drum.		Gallons
DNAPL/water to disposal drum.		Gallons
Product, Carbon, Waste Storage		
DNAPL drums on-site (full and fractional)	i	Drums
Spent carbon drums	j	Drums
PPE/Solids drums	i	Drums
LNAPL drums	l j	Drums
Drums labeled?	(Yes)	No
Drums palletized?	Yes	No

DNAPL System		
Operational upon arrival?	Yes	No
DNAPL pump pressure (arrival)	42	PSI
DNAPL pump pressure (departure)	42	PSI
Pneumatic settings adjusted?	Yes	(No)
Discharge control setting (departure)	1	Arrow
Refill control setting (departure)	Z	Arrow
DNAPL Drum		
High level shut off operational?	Yes	No
Green warning light operational?	Yes	No
DNAPL drum container integrity.	Good	Poor
Leaks present?	Yes	No
Decant valve integrity.	Good	Poor
DNAPL Pump and Piping		
DNAPL piping integrity.	Good	Poor
DNAPL pump cleaned?	Yes	No
DNAPL top of pump depth.	741/2	Feet

LNAPL/Groundwater System Operational upon arrival?	Yes	No
LNAPL pump pressure (arrival)	2 4 2	PSI
	33	PSI
LNAPL pump pressure (departure)	35	
Bubbler tube operating pressure.		PSI
Pneumatic settings adjusted?	Yes	(No)
Discharge control setting (departure)	<u> </u>	Arrow
Refill control setting (departure)	->	Arrow
LNAPL Pump and Piping		
LNAPL piping integrity.	Good	Poor
LNAPL pump cleaned?	Yes	(No)
LNAPL top of pump depth.	14	Feet
Oil/Water Separator		
Water high level shut-off operational?	Yes	No
White warning light operational?	Yes	No
Separator vessel integrity.	Good	Poor
Leaks present?	Yes	No
Separator cover and seal integrity.	Good	Poor
Decant valve integrity.	Good	Poor
LNAPL in separator?	(Tes)	No
Separator needs cleaning?	Yes	No
Separator cleaned?	Yes	No

Technician:

Date: 8-9-0"

Table 4-1

LNAPL/Groundwater System - (Continued)		
Transfer Pump and Piping Pump operational? Pump integrity. Flow meter operational? Transfer pump flow rate. Totalizer reading (cumulative volume). Water filters changed? Filter unit pressure (arrival/departure)	Yes 3. 8 737102 Yes 24/12	No Poor No GPM Gallons No PSI
Carbon Treatment Drums Primary carbon drum integrity. Primary carbon drum leaks? Primary carbon drum pressure. Primary carbon removed for disposal? Secondary carbon drum rotated to primary? New carbon placed in primary drum? Secondary carbon drum integrity. Secondary carbon drum leaks? Secondary carbon drum pressure. Secondary carbon removed for disposal? Polishing drum rotated to secondary?	Good Yes Yes Yes Yes Yes Yes Yes Yes Yes	P P E P E P E P E P E
New carbon placed in secondary drum? Polishing carbon drum integrity. Polishing carbon drum leaks? Polishing carbon drum pressure. Polishing carbon removed for disposal? New carbon placed in primary drum? Discharge Piping Pipe integrity in shed. Pipe integrity at catch basin. Pipe at catch basin clear? Pipe integrity at creek. Pipe at creek clear?	Yes Good Yes Yes Yes Yes Good Good Yes Good Yes Good Yes	Poor Poor No or No or No

Miscellaneous		44 100 30,40 4
Building and Site Remediation shed integrity.	Good	Poor
Shed ventilation acceptable?	Yes	No
Repairs/work needed?	Yes	(No
Spill evidence?	Yes	(M)
Electrical and Heating		
Electric controls operational	Yes	No
Heater operational	Yes	No

Site Visit Checklist/Data Sheet

Miscellaneous - (Continued)		
Access Vaults		
Overall vault integrity.	Good	Poor
Repairs needed to vaults?	Yes	$\bigcirc\hspace{-0.05cm} \bigcirc$
<u>Air Compressor</u>		
Compressor operational?	Yes	No
Compressor hours.	5368	Hours
Oil level checked?	Yes	No
Oil level changed?	Yes	No
Compressor trap operating?	Yes	No
Regulator operating?	Yes	No
Air lines performing properly?	(Tes)	No

Sampling		
Primary carbon influent sampled?	Yes	No
Primary carbon effluent sampled?	Yes	CONO.
Secondary carbon effluent sampled?	Yes	No
Compliance event?	Yes	No
Time sampled.		a.m./p.m.
Product sampled?	Yes	No

Recovery and Disposal		
Recovery from DNAPL Drum		
Pure DNAPL to disposal drum.		Gallons
DNAPL/water to disposal drum.	1/2	Gallons
DNAPL/water to oil/water separator.	10	Gallons
Recovery from Oil/Water Separator Pure DNAPL to disposal drum.		Gallons
DNAPL/water to disposal drum.		Gallons
Product, Carbon, Waste Storage		
DNAPL drums on-site (full and fractional)	i	Drums
Spent carbon drums	t	Drums
PPE/Solids drums	j	Drums
LNAPL drums	i	Drums
Drums labeled?	Yes	No
Drums palletized?	Yes	No

DNAPL System		
Operational upon arrival?	Yes	No
DNAPL pump pressure (arrival)	44	PSI
DNAPL pump pressure (departure)	44	PSI
Pneumatic settings adjusted?	Yes	(No)
Discharge control setting (departure)	K	Arrow
Refill control setting (departure)	1	Arrow
DNAPL Drum		
High level shut off operational?	Yes	No
Green warning light operational?	Yes	No
DNAPL drum container integrity.	Good	Poor
Leaks present?	Yes	(No)
Decant valve integrity.	Good	Poor
DNAPL Pump and Piping		
DNAPL piping integrity.	Good	Poor
DNAPL pump cleaned?	Yes	No
DNAPL top of pump depth.	241/2	Feet

LNAPL/Groundwater System		
Operational upon arrival?	Yes	No
LNAPL pump pressure (arrival)	35	PSI
LNAPL pump pressure (departure)	35	PSI
Bubbler tube operating pressure.	-3	PSI
Pneumatic settings adjusted?	Yes	No
Discharge control setting (departure)	不	Arrow
Refill control setting (departure)	->	Arrow
LNAPL Pump and Piping		
LNAPL piping integrity.	Good	Poor
LNAPL pump cleaned?	Yes	(No)
LNAPL top of pump depth.	14	Feet
Oil/Water Separator		
Water high level shut-off operational?	Yes	No
White warning light operational?	Yes	No
Separator vessel integrity.	Good	Poor
Leaks present?	Yes	No
Separator cover and seal integrity.	Good	Poor
Decant valve integrity.	Good	Poor
LNAPL in separator?	Yes	No
Separator needs cleaning?	Yes	No
Separator cleaned?	Yes	

Technician: ART KOSKIZ

Date: 9-28-07

Table 4-1

LNAPL/Groundwater System - (Continued)					
Transfer Pump and Piping Pump operational?	Yes	No			
Pump integrity. Flow meter operational? Transfer pump flow rate.	Good Yes	Poor No GPM			
Totalizer reading (cumulative volume). Water filters changed? Filter unit pressure (arrival/departure)	742478 Yes ZO/ZO	Gallons No PSI			
Carbon Treatment Drums Primary carbon drum integrity. Primary carbon drum leaks? Primary carbon drum pressure. Primary carbon removed for disposal? Secondary carbon drum rotated to primary? New carbon placed in primary drum?	Good Yes Yes Yes Yes	Poor (No) PSI (No) (No) (No)			
Secondary carbon drum integrity. Secondary carbon drum leaks? Secondary carbon drum pressure. Secondary carbon removed for disposal? Polishing drum rotated to secondary? New carbon placed in secondary drum?	Good Yes Z Yes Yes Yes	Poor No PSI (No No N			
Polishing carbon drum integrity. Polishing carbon drum leaks? Polishing carbon drum pressure. Polishing carbon removed for disposal? New carbon placed in primary drum?	Good Yes Yes Yes	Poor (29) PSI (20) NO (20)			
Discharge Piping Pipe integrity in shed. Pipe integrity at catch basin. Pipe at catch basin clear? Pipe integrity at creek. Pipe at creek clear?	Good Yes Good Yes	Poor Poor No Poor No			

Miscellaneous		741 - CS314-
Building and Site		
Remediation shed integrity.	Good	Poor
Shed ventilation acceptable?	Yes	No
Repairs/work needed?	Yes	No
Spill evidence?	Yes	NO
Electrical and Heating		
Electric controls operational	Yes	No
Heater operational	Yes	No

Site Visit Checklist/Data Sheet

Miscellaneous - (Continued)	- 184	
Access Vaults		
Overall vault integrity.	Good	Poor
Repairs needed to vaults?	Yes	(10)
Air Compressor		
Compressor operational?	Yes	No
Compressor hours.	5725	Hours
Oil level checked?	Yes	No
Oil level changed?	Yes	$\overline{\mathbb{N}_0}$
Compressor trap operating?	Yes	No
Regulator operating?	Yes	No
Air lines performing properly?	res	No

Sampling			
Primary carbon influent sam	pled?	Yes	No
Primary carbon effluent sam	Yes	No	
Secondary carbon effluent s	ampled?	(Yes)	No
Compliance event?		Yes	No
Time sampled.		9730	a.m/p.m.
Product sampled?		Yes	(No)

Recovery and Disposal		
Recovery from DNAPL Drum		
Pure DNAPL to disposal drum.	Carrier .	Gallons
DNAPL/water to disposal drum.	1	Gallons
DNAPL/water to oil/water separator.	5	Gallons
Recovery from Oil/Water Separator		
Pure DNAPL to disposal drum.		Gallons
DNAPL/water to disposal drum.	هستوين	Gallons
·		
Product, Carbon, Waste Storage		
DNAPL drums on-site (full and fractional)	â	Drums
Spent carbon drums	ì	Drums
PPE/Solids drums	T i	Drums
LNAPL drums	1	Drums
Drums labeled?	Yes	No
Drums palletized?	Yes	No

DNAPL System		i i
Operational upon arrival?	(Yes)	No
DNAPL pump pressure (arrival)	42	PSI
DNAPL pump pressure (departure)	42	PSI
Pneumatic settings adjusted?	Yes	No
Discharge control setting (departure)		Arrow
Refill control setting (departure)	V	Arrow
DNAPL Drum	N.2.	
High level shut off operational?	Yes	No
Green warning light operational?	Yes	No
DNAPL drum container integrity.	Good	Poor
Leaks present?	Yes	(No
Decant valve integrity.	Good	Poor
DNAPL Pump and Piping		,
DNAPL piping integrity.	(Good)	Poor
DNAPL pump cleaned?	Yes	No
DNAPL top of pump depth.	241/2	Feet

LNAPL/Groundwater System		
Operational upon arrival?	Yes	No
LNAPL pump pressure (arrival)	30	PSI
LNAPL pump pressure (departure)	30	PSI
Bubbler tube operating pressure.	3.2	PSI
Pneumatic settings adjusted?	Yes	(No)
Discharge control setting (departure)	1	Arrow
Refill control setting (departure)	→	Arrow
LNAPL Pump and Piping		
LNAPL piping integrity.	Good	Poor
LNAPL pump cleaned?	Yes	(No)
LNAPL top of pump depth.	14	Feet
Oil/Water Separator		-
Water high level shut-off operational?	(_Yes	No
White warning light operational?	Yes	No
Separator vessel integrity.	Good)	Poor
Leaks present?	Yes	No
Separator cover and seal integrity.	Good	Poor
Decant valve integrity.	Good	Poor
LNAPL in separator?	Yes	No
Separator needs cleaning?	Yes	No
Separator cleaned?	Yes	\bigcirc No

Technician	:_	F	1PT	KOSKIE
	_			

Table 4-1

LNAPL/Groundwater System - (Continued)		
Transfer Pump and Piping	r	
Pump operational?	Yes	No
Pump integrity.	Good	Poor
Flow meter operational?		No
Transfer pump flow rate.	-	GPM
Totalizer reading (cumulative volume).	7.0	Gallons
Water filters changed?	744163 Yes	No
Filter unit pressure (arrival/departure)		PSI
Ther unit pressure (arrival/departure)	16/16	131
Carbon Treatment Drums		
Primary carbon drum integrity.	Good	Poor
Primary carbon drum leaks?	Yes	(No)
Primary carbon drum pressure.	4	PSI
Primary carbon removed for disposal?	Yes	(No)
Secondary carbon drum rotated to primary?	Yes	No
New carbon placed in primary drum?	Yes	No
Secondary carbon drum integrity.	Good	Poor
Secondary carbon drum leaks?	Yes	NO NO
Secondary carbon drum pressure.	1.5	PSI
Secondary carbon removed for disposal?	Yes	(No)
Polishing drum rotated to secondary?	Yes	No
New carbon placed in secondary drum?	Yes	No
		-
Polishing carbon drum integrity.	Good	Poor
Polishing carbon drum leaks?	Yes	(No.)
Polishing carbon drum pressure.		PSI
Polishing carbon removed for disposal?	Yes	No
New carbon placed in primary drum?	Yes	(No
Discharge Piping		
Pipe integrity in shed.	Good	Poor
Pipe integrity at catch basin.	Good	Poor
Pipe at catch basin clear?	Yes	No
Pipe integrity at creek.	Good	Poor
Pipe at creek clear?	Yes	No

Building and Site		
Remediation shed integrity.	Good	Poor
Shed ventilation acceptable?	Yes	No
Repairs/work needed?	Yes	No
Spill evidence?	Yes	No.
Electrical and Heating		
Electric controls operational	(Yes)	No
Heater operational	Yes	No

Site Visit Checklist/Data Sheet

Miscellaneous - (Continued)	477		
Access Vaults	70.00		
Overall vault integrity.	1-(3)	Good	Poor
Repairs needed to vaults?		Yes	No
Air Compressor			
Compressor operational?		Yes	No
Compressor hours.		5773	Hours
Oil level checked?		Yes	No
Oil level changed?		Yes	No
Compressor trap operating?		Yes	No
Regulator operating?		Yes	No
Air lines performing properly?		Yes	No

Sampling			
Primary carbon influent sam	pled?	Yes	(No)
Primary carbon effluent sam	pled?	Yes	No
Secondary carbon effluent sa	ampled?	Yes	No
Compliance event?		Yes	No
Time sampled.			a.m./p.m.
Product sampled?		Yes	N₀

Recovery and Disposal		
Recovery from DNAPL Drum		11
Pure DNAPL to disposal drum.	- T.	Gallons
DNAPL/water to disposal drum.	* Z5	Gallons
DNAPL/water to oil/water separator.	7	Gallons
		,
Recovery from Oil/Water Separator		ļ
Pure DNAPL to disposal drum.		Gallons
DNAPL/water to disposal drum.	~	Gallons
Product, Carbon, Waste Storage		
DNAPL drums on-site (full and fractional)	1	Drums
Spent carbon drums	1	Drums
PPE/Solids drums	î	Drums
LNAPL drums	i.	Drums
Drums labeled?	(Yes)	No
Drums palletized?	Yes	No

DNAPL System		
Operational upon arrival?	Yes	No
DNAPL pump pressure (arrival)	44	PSI
DNAPL pump pressure (departure)	44	PSI
Pneumatic settings adjusted?	Yes	(No)
Discharge control setting (departure)	The second second	Arrow
Refill control setting (departure)	K	Arrow
DNAPL Drum		
High level shut off operational?	(Yes)	No
Green warning light operational?	Yes	No
DNAPL drum container integrity.	Good	Poor
Leaks present?	Yes	No
Decant valve integrity.	Good	Poor
DNAPL Pump and Piping		:
DNAPL piping integrity.	Good	Poor
DNAPL pump cleaned?	Yes	No
DNAPL top of pump depth.	24 1/2	Feet

LNAPL/Groundwater System		
Operational upon arrival?	Yes	No
LNAPL pump pressure (arrival)	35	PSI
LNAPL pump pressure (departure)	35	PSI
Bubbler tube operating pressure.	3,2	PSI
Pneumatic settings adjusted?	Yes	(NO)
Discharge control setting (departure)	1	Arrow
Refill control setting (departure)	->	Arrow
LNAPL Pump and Piping		
LNAPL piping integrity.	Good	Poor
LNAPL pump cleaned?	Yes	(No
LNAPL top of pump depth.	14	Feet
Oil/Water Separator	·	
Water high level shut-off operational?	Yes	No
White warning light operational?	Yes	No
Separator vessel integrity.	Good	Poor
Leaks present?	Yes	(No)
Separator cover and seal integrity.	Good	Poor
Decant valve integrity.	Good	Poor
LNAPL in separator?	Yes	No
Separator needs cleaning?	Yes	《Noin
Separator cleaned?	Yes	No

Technician: ART KOSKE

Date: 10 16 0)

Table 4-1

LNAPL/Groundwater System - (Continued) Transfer Pump and Piping Pump operational? No Pump integrity. Poor Flow meter operational? No Transfer pump flow rate. **GPM** Totalizer reading (cumulative volume). Gallons No Water filters changed? Filter unit pressure (arrival/departure) PSI Carbon Treatment Drums Good Primary carbon drum integrity. Poor Yes Primary carbon drum leaks? 3/2 Primary carbon drum pressure. Primary carbon removed for disposal? Secondary carbon drum rotated to primary? Yes Yes New carbon placed in primary drum? Good Poor Secondary carbon drum integrity. No PSI Secondary carbon drum leaks? Yes Secondary carbon drum pressure. Yes Secondary carbon removed for disposal? Polishing drum rotated to secondary? Yes New carbon placed in secondary drum? Yes Good Yes Polishing carbon drum integrity. Poor PSI Polishing carbon drum leaks? Polishing carbon drum pressure. No No Polishing carbon removed for disposal? New carbon placed in primary drum? Yes Discharge Piping Poor Pipe integrity in shed.

Miscellaneous			
Building and Site			
Remediation shed integrity.		Good	Poor
Shed ventilation acceptable?		Yes	No
Repairs/work needed?		Yes	No
Spill evidence?	# 15 43	Yes	N ₀
Electrical and Heating			
Electric controls operational		Yes	No
Heater operational		Yes	No

Pipe integrity at catch basin.

Pipe at catch basin clear?

Pipe integrity at creek.

Pipe at creek clear?

Site Visit Checklist/Data Sheet

Miscellaneous - (Continued)		
Access Vaults		
Overall vault integrity.	Good	Poor
Repairs needed to vaults?	Yes	No
Air Compressor		
Compressor operational?	Yes	No
Compressor hours.	5842	Hours
Oil level checked?	Yes	No
Oil level changed?	Yes	No
Compressor trap operating?	Yes	No
Regulator operating?	Yes	No
Air lines performing properly?	Yes	No

Sampling		
Primary carbon influent sampled?	Yes	(No)
Primary carbon effluent sampled?	Yes	No
Secondary carbon effluent sampled?	Yes	(a)
Compliance event?	Yes	1
Time sampled.		a.m./p.m.
Product sampled?	Yes	(No)

Recovery and Disposal	NAC PER	
Recovery from DNAPL Drum		
Pure DNAPL to disposal drum.		Gallons
DNAPL/water to disposal drum.	125	Gallons
DNAPL/water to oil/water separator.	15	Gallons
<u> </u>		
Recovery from Oil/Water Separator		
Pure DNAPL to disposal drum.		Gallons
DNAPL/water to disposal drum.		Gallons
Product, Carbon, Waste Storage		
DNAPL drums on-site (full and fractional)	1	Drums
Spent carbon drums	1	Drums
PPE/Solids drums	7	Drums
LNAPL drums	ı	Drums
Drums labeled?	(Yes)	No
Drums palletized?	(Ves)	No

Notes:

Poor

No

Poor

No

DNAPL System		
Operational upon arrival?	Yes	·No
DNAPL pump pressure (arrival)	42	PSI
DNAPL pump pressure (departure)	42	PSI
Pneumatic settings adjusted?	Yes	(No)
Discharge control setting (departure)		Arrow
Refill control setting (departure)	K	Arrow
DNAPL Drum		
High level shut off operational?	Yes	No
Green warning light operational?	Yes	No
DNAPL drum container integrity.	Good	Poor
Leaks present?	Yes	No.
Decant valve integrity.	Good	Poor
DNAPL Pump and Piping		
DNAPL piping integrity.	Good	Poor
DNAPL pump cleaned?	Yes	(No)
DNAPL top of pump depth.	2412	Feet

LNAPL/Groundwater System		t was
Operational upon arrival?	.Yes	No
LNAPL pump pressure (arrival)	30	PSI
LNAPL pump pressure (departure)	30	PSI
Bubbler tube operating pressure.	.3	PSI
Pneumatic settings adjusted?	Yes	No
Discharge control setting (departure)	4.	Arrow
Refill control setting (departure)	7	Arrow
LNAPL Pump and Piping	_	
LNAPL piping integrity.	Good	Poor
LNAPL pump cleaned?	Yes	No
LNAPL top of pump depth.	14"	Feet
Oil/Water Separator		
Water high level shut-off operational?	Yes	No
White warning light operational?	Yes	No
Separator vessel integrity.	Good	Poor
Leaks present?	Yes	No
Separator cover and seal integrity.	Good	Poor
Decant valve integrity.	Good	Poor
LNAPL in separator?	Yes	No
Separator needs cleaning?	Yes	No
Separator cleaned?	Yes	(No)

Technician: ART KOSKC

Date: 10 23 -07

Table 4-1

LNAPL/Groundwater System - (Continued)		
Transfer Pump and Piping	1	
Pump operational?	Yes	No
Pump integrity.	(Good)	Poor
Flow meter operational?	Yes	No
Transfer pump flow rate.	2,60	GPM
Totalizer reading (cumulative volume).	7410480	Gallons
Water filters changed?	Yes	No
Filter unit pressure (arrival/departure)	28/14	PSI
Carbon Treatment Drums		
Primary carbon drum integrity.	Good	Poor
Primary carbon drum leaks?	Yes	No
Primary carbon drum pressure.	6	PSI
Primary carbon removed for disposal?	Yes	640
Secondary carbon drum rotated to primary?	Yes	No
New carbon placed in primary drum?	Yes	8
Secondary carbon drum integrity.	Good	Poor
Secondary carbon drum leaks?	Yes	No
Secondary carbon drum pressure.	2	PSI
Secondary carbon removed for disposal?	Yes	No
Polishing drum rotated to secondary?	Yes	No
New carbon placed in secondary drum?	Yes	M
Polishing carbon drum integrity	Good	Poor
Polishing carbon drum leaks?	Yes	(No)
Polishing carbon drum pressure.		PSI
Polishing carbon removed for disposal?	Yes	No
New carbon placed in primary drum?	Yes	
Discharge Piping		
Pipe integrity in shed.	Good	Poor
Pipe integrity at catch basin.	Good	Poor
Pipe at catch basin clear?	Yes	No
Pipe integrity at creek.	Good	Poor
Pipe at creek clear?	Yes	No

Miscellaneous		
Building and Site		
Remediation shed integrity.	Good	Poor
Shed ventilation acceptable?	Yes	No
Repairs/work needed?	Yes	(No)
Spill evidence?	Yes	No
Electrical and Heating		
Electric controls operational	Yes	No
Heater operational	Yes	No

Site Visit Checklist/Data Sheet

Miscellaneous - (Continued)		
Access Vaults		
Overall vault integrity.	Good	Poor
Repairs needed to vaults?	Yes	
Air Compressor		
Compressor operational?	(Ces)	No
Compressor hours.	5887	Hours
Oil level checked?	(Yes.)	No
Oil level changed?	Yes	№
Compressor trap operating?	Yes	No
Regulator operating?	Yes	No
Air lines performing properly?	Yes	No

Sampling		
Primary carbon influent sampled?	Yes	No
Primary carbon effluent sampled?	Yes	No
Secondary carbon effluent sampled?	(Yes)	No
Compliance event?	Yes	_ No
Time sampled.	9:-15	a.m/p.m.
Product sampled?	Yes	

(September)		
Recovery and Disposal	NEST AND THE	
Recovery from DNAPL Drum		
Pure DNAPL to disposal drum.	Cympan	Gallons
DNAPL/water to disposal drum.	1	Gallons
DNAPL/water to oil/water separator.	7	Gallons
Recovery from Oil/Water Separator		
Pure DNAPL to disposal drum.		Gallons
DNAPL/water to disposal drum.	.125	Gallons
Product, Carbon, Waste Storage		
DNAPL drums on-site (full and fractional)	1	Drums
Spent carbon drums	· · ·	Drums
PPE/Solids drums	1	Drums
LNAPL drums	1	Drums
Drums labeled?	Yes	No
Drums palletized?	Yes	No

DNAPL System		
Operational upon arrival?	Yes	No
DNAPL pump pressure (arrival)	400	PSI
DNAPL pump pressure (departure)	46	PS1
Pneumatic settings adjusted?	Yes	(NO)
Discharge control setting (departure)	R	Arrow
Refill control setting (departure)	12	Arrow
DNAPL Drum		
High level shut off operational?	Yes	No
Green warning light operational?	Yes	No
DNAPL drum container integrity.	Good	Роог
Leaks present?	Yes	$ \mathcal{N}_{\bullet} $
Decant valve integrity.	Good	Poor
DNAPL Pump and Piping		
DNAPL piping integrity.	Good	. Poor
DNAPL pump cleaned?	Yes	No
DNAPL top of pump depth.	24/12	Feet

LNAPL/Groundwater System		
Operational upon arrival?	Yes	No
LNAPL pump pressure (arrival)	35	PSI
LNAPL pump pressure (departure)	3.5	PSI
Bubbler tube operating pressure.	3	PSI
Pneumatic settings adjusted?	Yes	(No)
Discharge control setting (departure)	不	Arrow
Refill control setting (departure)	<u>→</u> >	Artow
LNAPL Pump and Piping		
LNAPL piping integrity.	Good	Poor
LNAPL pump cleaned?	Yes	(No)
LNAPL top of pump depth.	14	Feet
Oil/Water Separator		-
Water high level shut-off operational?	Yes	No
White warning light operational?	(Ves)	No
Separator vessel integrity.	Good	Poor
Leaks present?	Yes	(No)
Separator cover and seal integrity.	Good	Poor
Decant valve integrity.	Good	Poor
LNAPL in separator?	(Vie)	No
Separator needs cleaning?	(183)	No
Separator cleaned?	Yes	No

Technician:_	ART	KUSKE
Date: //-	7-0	` ¬

LNAPL/Groundwater System - (Continued)			
Transfer Pump and Piping	1		
Pump operational?	Yes	No	
Pump integrity.	Good	Роог	
Flow meter operational?	Yes	No	
Transfer pump flow rate.	4.9	GPM	
Totalizer reading (cumulative volume).	7-19067	Gallons	
Water filters changed?	Yes	(No)	
Filter unit pressure (arrival/departure)	14	PSI	
Carbon Treatment Drums			
Primary carbon drum integrity.	Good	Poor	
Primary carbon drum leaks?	Yes	040	
Primary carbon drum pressure.	7	PSI	
Primary carbon removed for disposal?	Yes	(No)	
Secondary carbon drum rotated to primary?	Yes	(No)	
New carbon placed in primary drum?	Yes	No	
Secondary carbon drum integrity.	(Good)	Poor	
Secondary carbon drum leaks?	Yes	(No)	
Secondary carbon drum pressure.	2112	PŠĪ	
Secondary carbon removed for disposal?	Yes	(No)	
Polishing drum rotated to secondary?	Yes	(40)	
New carbon placed in secondary drum?	Yes	No	
Polishing carbon drum integrity.	C Good	Poor	
Polishing carbon drum leaks?	Yes	⊗_)	
Polishing carbon drum pressure.	1 1/2	PSI	
Polishing carbon removed for disposal?	Yes		
New carbon placed in primary drum?	Yes	^{N₀}	
Discharge Piping			
Pipe integrity in shed.	Good	Poor	
Pipe integrity at catch basin.	Good	Poor	
Pipe at catch basin clear?	Yes	No	
Pipe integrity at creek.	Good	Poor	
Pipe at creek clear?	Yes	No	

Miscellaneous		
Building and Site Remediation shed integrity. Shed ventilation acceptable? Repairs/work needed? Spill evidence?	Good Yes Yes Yes	Poor No No
Electrical and Heating Electric controls operational Heater operational	(ES)	No No

Miscellaneous - (Continued)		
Access Vaults	(6-4)	D
Overall vault integrity. Repairs needed to vaults?	Good	Poor
Repairs needed to valits?	1 :"	
Air Compressor	· [
Compressor operational?	Yes	No
Compressor hours.	5963	Hours
Oil level checked?	Yes	None
Oil level changed?	Yes	
Compressor trap operating?	(ES)	No
Regulator operating?	(TES)	No
Air lines performing properly?	(Yes)	No

Sampling		
Primary carbon influent sampled?	Yes	(No)
Primary carbon effluent sampled?	Yes	No
Secondary carbon effluent sampled?	Yes	140>
Compliance event?	Yes	100
Time sampled.		a.m./p.m.
Product sampled?	Yes	

Recovery and Disposal		
Recovery from DNAPL Drum		
Pure DNAPL to disposal drum.	-65	Gallons
DNAPL/water to disposal drum.	2	Gallons
DNAPL/water to oil/water separator.	33	Gallons
Recovery from Oil/Water Separator		
Pure DNAPL to disposal drum.		Gallons
DNAPL/water to disposal drum.		Gallons
Product, Carbon, Waste Storage		
DNAPL drums on-site (full and fractional)		Drums
Spent carbon drums	1	Drums
PPE/Solids drums	1	Drums
LNAPL drums	1	Drums
Drums labeled?	(IGS	No
Drums palletized?	(19)	No

DNAPL System		
Operational upon arrival?	(Yes)	No
DNAPL pump pressure (arrival)	46	PSI
DNAPL pump pressure (departure)	46	PSI
Pneumatic settings adjusted?	Yes	®
Discharge control setting (departure)	K	Агтом
Refill control setting (departure)	K	Arrow
DNAPL Drum		
High level shut off operational?	(Yes)	No
Green warning light operational?	Yos	No
DNAPL drum container integrity.	Good	Poor
Leaks present?	Yes	No
Decant valve integrity.	Good	Poor
DNAPL Pump and Piping		
DNAPL piping integrity.	Good	Poor
DNAPL pump cleaned?	Yes	(No)
DNAPL top of pump depth.	2477	Feet

LNAPL/Groundwater System		
Operational upon arrival?	(Yes)	No
LNAPL pump pressure (arrival)	35	· PSI
LNAPL pump pressure (departure)	35	PSI
Bubbler tube operating pressure.	3.2	PSI
Pneumatic settings adjusted?	Yes	No
Discharge control setting (departure)	1	Arrow
Refill control setting (departure)	\rightarrow	Агтоw
LNAPL Pump and Piping		
LNAPL piping integrity.	(Good)	Poor
LNAPL pump cleaned?	Yes	(No)
LNAPL top of pump depth.	14	Feet
Oil/Water Separator		
Water high level shut-off operational?	(cs)	No
White warning light operational?	Yes	No
Separator vessel integrity.	Good	Poor
Leaks present?	Yes	(No)
Separator cover and seal integrity.	(00d)	Poor
Decant valve integrity.	Good	Poor
LNAPL in separator?	Yes	No
Separator needs cleaning?	Yes) ₂₀
Separator cleaned?	Yes	(NO)

Technician	ART	KOSKIZ	
Date	11-23-0	7	

<u>Table 4-1</u>

LNAPL/Groundwater System - (Continued) Transfer Pump and Piping	
Pump operational?	No
Pump integrity. Good	Poor
Flow meter operational?	No
Transfer pump flow rate. 3.9	GPM
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Gallons
Water filters changed? Yes	(m)
Filter unit pressure (arrival/departure)	PSI
Carbon Treatment Drums	
Primary carbon drum integrity. Good	Poor
Primary carbon drum leaks? Yes	Ø No
Primary carbon drum pressure.	PSI
Primary carbon removed for disposal?	\bigcirc
Secondary carbon drum rotated to primary? Yes	\odot
New carbon placed in primary drum?	Wo
Secondary carbon drum integrity.	Poor
Secondary carbon drum leaks? Yes	(No)
Secondary carbon drum pressure.	PS1
Secondary carbon removed for disposal? Yes	(No)
Polishing drum rotated to secondary? Yes	No
New carbon placed in secondary drum? Yes	No
Polishing carbon drum integrity.	Poor
Polishing carbon drum leaks? Yes	(No.)
Polishing carbon drum pressure.	PSI
Polishing carbon removed for disposal?	(No)
New carbon placed in primary drum?	Mo
Discharge Piping	
Pipe integrity in shed.	Poor
Pipe integrity at catch basin. Good	Poor
Pipe at catch basin clear?	No
Pipe integrity at creek. (Good)	Poor
Pipe at creek clear?	No

Miscellaneous		
Building and Site Remediation shed integrity. Shed ventilation acceptable? Repairs/work needed? Spill evidence?	Ggod Yes Yes Yes	Poor No No
Electrical and Heating Electric controls operational Heater operational	Yes Yes	No No

Site Visit Checklist/Data Sheet

Miscellaneous - (Continued)		
Access Vaults		
Overall vault integrity.	Good	Роог
Repairs needed to vaults?	Yes	(No)
Air Compressor		
Compressor operational?	Yes	No
Compressor hours.	6058	Hours
Oil level checked?	Yes	No
Oil level changed?	Yes	No
Compressor trap operating?	(2 95)	No
Regulator operating?	₹	No
Air lines performing properly?	(763)	No -

Sampling.		
Primary carbon influent sampled?	Yes	3
Primary carbon effluent sampled?	Yes	₹
Secondary carbon effluent sampled?	Yes	(Vg)
Compliance event?	Yes	No
Time sampled.		a.m./p.m.
Product sampled?	Yes	N67

Recovery and Disposal		
Recovery from DNAPL Drum		
·Pure DNAPL to disposal drum.		Gallons
DNAPL/water to disposal drum.	j	Gallons
DNAPL/water to oil/water separator.	11	Gallons
Recovery from Oil/Water Separator		
Pure DNAPL to disposal drum.		Gallons
DNAPL/water to disposal drum.		Gallons
Product, Carbon, Waste Storage	<u> </u>	
DNAPL drums on-site (full and fractional)	1	Drums
Spent carbon drums		Drums .
PPE/Solids drums	1	Drums
LNAPL drums	ĺ	Drums
Drums labeled?	(Yes)	No
Drums palletized?	Yes	No

DNAPL System		
Operational upon arrival? DNAPL pump pressure (arrival) DNAPL pump pressure (departure) Pneumatic settings adjusted? Discharge control setting (departure) Refill control setting (departure)	Yes L-1 Z Yes	PSI PSI No Arrow Arrow
DNAPL Drum High level shut off operational? Green warning light operational? DNAPL drum container integrity. Leaks present? Decant valve integrity.	() () () () () () () () () ()	No No Poor No Poor
DNAPL Pump and Piping DNAPL piping integrity. DNAPL pump cleaned? DNAPL top of pump depth.	Good Yes 2972	Poor No Feet

LNAPL/Groundwater System		
Operational upon arrival?	Yes	No
LNAPL pump pressure (arrival)	35	PSI
LNAPL pump pressure (departure)	35	PSI
Bubbler tube operating pressure.	.3	PSI
Pneumatic settings adjusted?	Yes	(No)
Discharge control setting (departure)	1	Arrow
Refill control setting (departure)	\rightarrow	Агтоw
LNAPL Pump and Piping		
LNAPL piping integrity.	Good	Poor
LNAPL pump cleaned?	Yes	(No)
LNAPL top of pump depth.	14'	Feet
Oil/Water Separator		
Water high level shut-off operational?	€ 65	No
White warning light operational?	(Yes)	No
Separator vessel integrity.	Good	Poor
Leaks present?	Yes	(No)
Separator cover and seal integrity.	Good	Poor
Decant valve integrity.	Good	Poor
LNAPL in separator?	(Ve)	No
Separator needs cleaning?	Yes	No
Separator cleaned?	Yes	No

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<u>Table 4-1</u>

LNAPL/Groundwater System - (Continued))	
Transfer Pump and Piping		
Pump operational?	Yes	No
Pump integrity.	⟨Good⟩	Poor
Flow meter operational?	Yes	No
Transfer pump flow rate.	5.0	GPM
Totalizer reading (cumulative volume).	70186	Gallons
Water filters changed?	Yes	No
Filter unit pressure (arrival/departure)	38/18	PSI
Carbon Treatment Drums		
Primary carbon drum integrity.	Good	Poor
Primary carbon drum leaks?	Yes	(<u>₩</u>)
Primary carbon drum pressure.	10	PŞI
Primary carbon removed for disposal?	Yes	(No
Secondary carbon drum rotated to primary?	Yes	No
New carbon placed in primary drum?	Yes	
Secondary carbon drum integrity.	Good	Poor
Secondary carbon drum leaks?	Yes	(No.)
Secondary carbon drum pressure.	3/2	PSI
Secondary carbon removed for disposal?	Yes	(No
Polishing drum rotated to secondary?	Yes	No
New carbon placed in secondary drum?	Yes	No
Polishing carbon drum integrity.	Good	Poor
Polishing carbon drum leaks?	Yes	Ø ₀
Polishing carbon drum pressure.	11/2	PSI
Polishing carbon removed for disposal?	Yes	(No)
New carbon placed in primary drum?	Yes	No
Discharge Piping		
Pipe integrity in shed.	Good	Poor
Pipe integrity at catch basin.	Good	Poor
Pipe at catch basin clear?	Yes	No
Pipe integrity at creek.	Good	Poor
Pipe at creek clear?	(Yes)	No

Miscellaneous	•	
Building and Site Remediation shed integrity. Shed ventilation acceptable? Repairs/work needed? Spill evidence?	Good Yes Yes Yes	Poor No No
Electrical and Heating Electric controls operational Heater operational	(Yes) (Yes)	No No

Site Visit Checklist/Data Sheet

Miscellaneous - (Continued)		
Access Vaults Overall vault integrity. Repairs needed to vaults?	Good Yes	Poor
Air Compressor		
Compressor operational? Compressor hours. Oil level checked?	(45) (45)	No Hours No
Oil level changed? Compressor trap operating?	Yes	No No
Regulator operating? Air lines performing properly?		No

Sampling		
Primary carbon influent sampled?	Yes	(No)
Primary carbon effluent sampled?	Yes	No
Secondary carbon effluent sampled?	Yes	(No)
Compliance event?	Yes	N ₀
Time sampled.		a.m./p.m.
Product sampled?	Yes	(No)

Recovery and Disposal		
Recovery from DNAPL Drum		
·Pure DNAPL to disposal drum.		Gallons
DNAPL/water to disposal drum.		Gallons
DNAPL/water to oil/water separator.		Gallons
Recovery from Oil/Water Separator		
Pure DNAPL to disposal drum.		Gallons
· •		Gallons
DNAPL/water to disposal drum.		Gallons
Product, Carbon, Waste Storage		
DNAPL drums on-site (full and fractional)		Drums
Spent carbon drums	I	Drums .
PPE/Solids drums	1	Drums
LNAPL drums	7	Drums
Drums labeled?	(Yes)	No
Drums palletized?	(TS)	No

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REPLACED WHITE WARNING LIGHT BULB

DNAPL System		
Operational upon arrival?	(6)	·No
DNAPL pump pressure (arrival)	42	PSI
DNAPL pump pressure (departure)	42	PSI
Pneumatic settings adjusted?	Yes	(No)
Discharge control setting (departure)	ス	Artow
Refill control setting (departure)	12	Arrow
DNAPL Drum		
High level shut off operational?	Yes	No
Green warning light operational?	Yes	No
DNAPL drum container integrity.	Good	Poor
Leaks present?	Yes	No
Decant valve integrity.	Good	Poor
DNAPL Pump and Piping		
DNAPL piping integrity.	Good	Poor
DNAPL pump cleaned?	Yes	No
DNAPL top of pump depth.	241/2	Feet

	LNAPL/Groundwater System		
1	Operational upon arrival?	Yes	No
١	LNAPL pump pressure (arrival)	35	PSI
	LNAPL pump pressure (departure)	35	PSI
1	Bubbler tube operating pressure.	-3	PSI
1	Pneumatic settings adjusted?	Yes	<u>(No)</u>
١	Discharge control setting (departure)	<u> </u>	Arrow
Į	Refill control setting (departure)	→	Arrow
١			
ı	LNAPL Pump and Piping		
	LNAPL piping integrity.	Good	Poor
	LNAPL pump cleaned?	Yes	₩
1	LNAPL top of pump depth.	14	Feet
1			
	Oil/Water Separator		
1	Water high level shut-off operational?	(Yes)	No
١	White warning light operational?	Ves)	No
١	Separator vessel integrity.	Good	Poor
١	Leaks present?	Yes	No
١	Separator cover and seal integrity.	Good	Poor
1	Decant valve integrity.	Good	Poor
ı	LNAPL in separator?	Yes	No
-	Separator needs cleaning?	Yes	Νo
-	Separator cleaned?	Yes	(Ne)

Technic	cian: ART	KOSKE	
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Date:	17. 3	· · · · ·	

<u>Table 4-1</u>

1	LNAPL/Groundwater System - (Continued)		
١	Transfer Pump and Piping		
١	Pump operational?	(Yes)	No
	Pump integrity.	(600)	Poor
I	Flow meter operational?	Yes	No
l	Transfer pump flow rate.	4.3	GPM
١	Totalizer reading (cumulative volume).	767317	Gallons
I	Water filters changed?	Yes	(No)
	Filter unit pressure (arrival/departure)	18/18	PSI
İ	Carbon Treatment Drums		
l	Primary carbon drum integrity.	Good	Poor
I	Primary carbon drum leaks?	Yes	No
I	Primary carbon drum pressure.	もソフ	PSI
l	Primary carbon removed for disposal?	Yes	ØØ⊃
ľ	Secondary carbon drum rotated to primary?	Yes	Mo
ı	New carbon placed in primary drum?	Yes	No
l	Secondary carbon drum integrity.	Good	Poor
ı	Secondary carbon drum leaks?	Yes	(No)
	Secondary carbon drum pressure.	31/2	PSI
ı	Secondary carbon removed for disposal?	Yes	No
I	Polishing drum rotated to secondary?	Yes	Ø10
	New carbon placed in secondary drum?	Yes	™
ı	Polishing carbon drum integrity.	Good	Poor
i	Polishing carbon drum leaks?	Yes	(No)
	Polishing carbon drum pressure.	7	PSI
	Polishing carbon removed for disposal?	Yes	No
	New carbon placed in primary drum?	Yes	No
	Discharge Piping		_
	Pipe integrity in shed.	Good	Poor
	Pipe integrity at catch basin.	G660	Poor
	Pipe at catch basin clear?	79.5	No
	Pipe integrity at creek.	Good	Poor
I	Pipe at creek clear?		No
U			

Miscellaneous		
Building and Site		
Remediation shed integrity.	(Good)	Poor
Shed ventilation acceptable?	Yes	No
Repairs/work needed?	Yes	
Spill evidence?	Yes	(No
Electrical and Heating		
Electric controls operational	Yes	No
Heater operational	Yes	No

Site Visit Checklist/L

Miscellaneous - (Continued)		`. <u>:-</u> _
Access Vaults		
Overall vault integrity.	Good	Poor
Repairs needed to vaults?	Yes	(Ng)
Air Compressor		
Compressor operational?	Yes	No
Compressor hours.	6130	Hours
Oil level checked?	(Tes	No
Oil level changed?	Yes	№
Compressor trap operating?	Yes	No
Regulator operating?	Yes	No
Air lines performing properly?	(765)	No

Sampling.		
Primary carbon influent sampled?	Yes	No
Primary carbon effluent sampled?	Yes	No
Secondary carbon effluent sampled?	Yes	No
Compliance event?	Yes	No
Time sampled.	9:76	a.m./p.m.
Product sampled?	Yes	No

Recovery and Disposal		
Recovery from DNAPL Drum		
Pure DNAPL to disposal drum.		Gallons
DNAPL/water to disposal drum.		Gallons
DNAPL/water to oil/water separator.	-	Gallons
Recovery from Oil/Water Separator		
Pure DNAPL to disposal drum.	*	Gallons
DNAPL/water to disposal drum.		Gallons
Product, Carbon, Waste Storage	1.	
DNAPL drums on-site (full and fractional)		Drums
Spent carbon drums		Drums
PPE/Solids drums	1	Drums
LNAPL drums		Drums
Drums labeled?	Yes	No
Drums palletized?	(63)	No

DNAPL System		
Operational upon arrival?	(Yes)	No
DNAPL pump pressure (arrival)	44	PSI
DNAPL pump pressure (departure)	47	PSI
Pneumatic settings adjusted?	Yes	(No)
Discharge control setting (departure)	K	Arrow
Refill control setting (departure)	K	Arrow
DNAPL Drum .		
High level shut off operational?	(Yes)	No
Green warning light operational?	Yes	No
DNAPL drum container integrity.	Good	Poor
Leaks present?	Yes	№
Decant valve integrity.	Good	Poor
DNAPL Pump and Piping		
DNAPL piping integrity.	Good	Poor
DNAPL pump cleaned?	Yes	No
DNAPL top of pump depth.	241/2	Feet

LNAPL/Groundwater System		
Operational upon arrival?	(Yes)	No
LNAPL pump pressure (arrival)	35	PSI
LNAPL pump pressure (departure)	3.5	PSI
Bubbler tube operating pressure.	3	PSI
Pneumatic settings adjusted?	Yes	No
Discharge control setting (departure)	7	Arrow
Refill control setting (departure)	\rightarrow	Arrow
LNAPL Pump and Piping		
LNAPL piping integrity.	Good	Poor
LNAPL pump cleaned?	Yes	No
LNAPL top of pump depth.	14	Feet
]	
Oil/Water Separator		
Water high level shut-off operational?	Yes	No
White warning light operational?	Yes	No
Separator vessel integrity.	Good	Poor
Leaks present?	Yes	(No.)
Separator cover and seal integrity.	Good	Poor
Decant valve integrity.	Good	Poor
LNAPL in separator?	Yes	No
Separator needs cleaning?	Yes	No
Separator cleaned?	Yes	(№)

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<u>Table 4-1</u>

LNAPL/Groundwater System - (Continued)		•
Transfer Pump and Piping Pump operational? Pump integrity. Flow meter operational? Transfer pump flow rate. Totalizer reading (cumulative volume). Water filters changed? Filter unit pressure (arrival/departure)	Yes Good Yes 3.1 6 779635 40/14	No Poor No GPM Gallons No PSI
Carbon Treatment Drums Primary carbon drum integrity. Primary carbon drum leaks? Primary carbon drum pressure. Primary carbon removed for disposal? Secondary carbon drum rotated to primary? New carbon placed in primary drum?	Good Yes Yes Yes Yes	Poor (2) 22 (2) 29 (2) (2) (2) (2) (2) (2) (2) (2) (2) (2)
Secondary carbon drum integrity. Secondary carbon drum leaks? Secondary carbon drum pressure. Secondary carbon removed for disposal? Polishing drum rotated to secondary? New carbon placed in secondary drum?	Yes Yes Yes Yes	(3) (3) (3) (4) (4) (4) (4) (4) (4) (4) (4) (4) (4
Polishing carbon drum integrity. Polishing carbon drum leaks? Polishing carbon drum pressure. Polishing carbon removed for disposal? New carbon placed in primary drum?	Good Yes Yes Yes	Poor. No PSI No No
Discharge Piping Pipe integrity in shed. Pipe integrity at catch basin. Pipe at catch basin clear? Pipe integrity at creek. Pipe at creek clear?	Good Good Yes Good Yes	Poor Poor No Poor No

Miscellaneous		
Building and Site Remediation shed integrity. Shed ventilation acceptable? Repairs/work needed? Spill evidence?	Good Yes Yes Yes	Poor No No
Electrical and Heating Electric controls operational Heater operational	(cs (cs)	No No

Site Visit Checklist/Data Sheet

Miscellaneous - (Continued)		
Access Vaults		
Overall vault integrity.	Good)	Poor
Repairs needed to vaults?	Yes	No.
Air Compressor		
Compressor operational?	(Yes)	No
Compressor hours.	6238	Hours
Oil level checked?	(Yes)	No
Oil level changed?	Yes	(No)
Compressor trap operating?	Yes	No
Regulator operating?	Yes	No
Air lines performing properly?	Yes	No

		
Sampling		
Primary carbon influent sampled?	Yes	No
Primary carbon effluent sampled?	Yes	160
Secondary carbon effluent sampled?	Yes	No
Compliance event?	(cs)	No
Time sampled.	9:20	a.m./p.m.
Product sampled?	Yes	(No)

Recovery and Disposal		
Recovery from DNAPL Drum Puro DNAPL to disposal drum. DNAPL/water to disposal drum. DNAPL/water to oil/water separator.	2 80	Gallons Gallons Gallons
Recovery from Oil/Water Separator Pure DNAPL to disposal drum. DNAPL/water to disposal drum.	-5	Gallons Gallons
Product, Carbon, Waste Storage DNAPL drums on-site (full and fractional) Spent carbon drums PPE/Solids drums LNAPL drums Drums labeled?	Yes	Drums Drums Drums Drums No
Drums palletized?	(Yes	No

<u>Table 4-1</u>

Site Visit Checklist/Data Sheet

DNAPL System		
Operational upon arrival?	(Yes	·No
DNAPL pump pressure (arrival)	44	PSI
DNAPL pump pressure (departure)	44	PSI
Pneumatic settings adjusted?	Yes	No
Discharge control setting (departure)	-	Arrow
Refill control setting (departure)	K	Arrow
DNAPL Drum		
High level shut off operational?	Yes	No
Green warning light operational?	(763)	No
DNAPL drum container integrity.	Good	Poor
Leaks present?	Yes	№
Decant valve integrity.	Good	Poor
DNAPL Pump and Piping	_	
DNAPL piping integrity.	Good	Poor
DNAPL pump cleaned?	Yes	No
DNAPL top of pump depth.	241/2	Feet

LNAPL/Groundwater System	
Operational upon arrival? LNAPL pump pressure (arrival) LNAPL pump pressure (departure) Bubbler tube operating pressure. Pneumatic settings adjusted? Discharge control setting (departure) Refill control setting (departure)	Yes No PSI PSI PSI Yes No Arrow
LNAPL Pump and Piping LNAPL piping integrity. LNAPL pump cleaned? LNAPL top of pump depth.	Good Poor No Feet
Oil/Water Separator Water high level shut-off operational? White warning light operational? Separator vessel integrity. Leaks present? Separator cover and seal integrity. Decant valve integrity. LNAPL in separator? Separator needs cleaning? Separator cleaned?	Yes No Poor Yes No Good Poor Yes No No Poor Yes No No No No No Yes No No No No No Yes No

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LNAPL/Groundwater System - (Continued)	
Transfer Pump and Piping		
Pump operational?	(Yes)	No
Pump integrity.	Good	Poor .
Flow meter operational?	Yes	No
Transfer pump flow rate.	2.4	GPM
Totalizer reading (cumulative volume).	797018	Gallons
Water filters changed?	Yes	No
Filter unit pressure (arrival/departure)	36/14	PSI
Carbon Treatment Drums		
Primary carbon drum integrity.	Good	Poor
Primary carbon drum leaks?	Yes	No
Primary carbon drum pressure.	71/2	PST
Primary carbon removed for disposal?	Yes	No
Secondary carbon drum rotated to primary?	Yes	(No.)
New carbon placed in primary drum?	Yes	©
Secondary carbon drum integrity.	Good	Poor
Secondary carbon drum leaks?	Yes	(No)
Secondary carbon drum pressure.		PSI
Secondary carbon removed for disposal?	Yes	(N_{\circ})
Polishing drum rotated to secondary?	Yes	No
New carbon placed in secondary drum?	Yes	No
Polishing carbon drum integrity.	Good	Poor
Polishing carbon drum leaks?	Yes	(برملا)
Polishing carbon drum-pressure.	1/2	PSI
Polishing carbon removed for disposal?	Yes	(Max
New carbon placed in primary drum?	Yes	(No)
Discharge Piping		
Pipe integrity in shed.	(لموسي ا	Poor
Pipe integrity at catch basin.	Good	Poor
Pipe at catch basin clear?	Yes	No
Pipe integrity at creek.	Good	Poor
Pipe at creek clear?	(Yes	No

Miscellaneous	Taur	
Building and Site Remediation shed integrity. Shed ventilation acceptable? Repairs/work needed? Spill evidence?	Good Yes Yes Yes	Poor No No
Electrical and Heating Electric controls operational Heater operational	Yes	No No

Miscellaneous - (Continued)		
Access Vaults Overall vault integrity. Repairs needed to vaults?	Good Yes	Poor No
Air Compressor Compressor operational? Compressor hours. Oil level checked? Oil level changed? Compressor trap operating? Regulator operating? Air lines performing properly?		No Hours No No No No

Sampling		
Primary carbon influent sampled?	Yes	(No)
Primary carbon effluent sampled?	Yes	(No.)
Secondary carbon effluent sampled?	Yes	(No)
Compliance event?	Yes	(No)
Time sampled.		a.m./p.m.
Product sampled?	Yes	_ (40 _

Recovery and Disposal		
Recovery from DNAPL Drum		
Pure DNAPL to disposal drum.		Gallons
DNAPL/water to disposal drum.	1/2	Gallons
DNAPL/water to oil/water separator.	77	Gallons
.*		
Recovery from Oil/Water Separator		
Pure DNAPL to disposal drum.		Gallons
DNAPL/water to disposal drum.		Gallons
•		
Product, Carbon, Waste Storage		
DNAPL drums on-site (full and fractional)	(Drums
Spent carbon drums	i	Drums
PPE/Solids drums	1	Drums
LNAPL drums	1	Drums
Drums labeled?	(Pes)	No
Drums palletized?	(fes	No