## FORMER GASTOWN MGP SITE SITE NO. 915171

# 2009 SITE VISIT CHECKLISTS FOR THE GROUNDWATER COLLECTION & TREATMENT SYSTEM

Site Visit Checklists are only available from January through May, 2009.

DNAPL System		V
Operational upon arrival?	Yes	No
DNAPL pump pressure (arrival)	75	PSI
DNAPL pump pressure (departure)	42	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? 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

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	PSI
Pneumatic settings adjusted?	Yes	(No)
Discharge control setting (departure)	1	Arrow
Refill control setting (departure)	<b>→</b>	Arrow
LNAPL Pump and Piping LNAPL piping integrity. LNAPL pump cleaned? LNAPL top of pump depth.	Good Yes	Poor No Feet
<u>Oil/Water Separator</u>		
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	KUSKE
Date: 1-5-0	9

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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.	300	GPM
Totalizer reading (cumulative volume).	885-38	Gallons
Water filters changed?	Yes	No
Filter unit pressure (arrival/departure)	36/18	PSI
Carbon Treatment Drums		
Primary carbon drum integrity.	Good	Poor
Primary carbon drum leaks?	Yes	No
Primary carbon drum pressure.	9	PSI
Primary carbon removed for disposal?	Yes	No
Secondary carbon drum rotated to primary?	Yes	No
New carbon placed in primary drum?	Yes	$ \mathcal{N}_{0} $
Secondary carbon drum integrity.	Good	Poor
Secondary carbon drum leaks?	Yes	No
Secondary carbon 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	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?	\ \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	No.
Pipe integrity at creek.	Good	Poor
Pipe at creek clear?	Yes	No
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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

Miscellaneous - (Continued)		
Access Vaults		
Overall vault integrity.	Good	Poor
Repairs needed to vaults?	Yes	(No)
	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
Air Compressor		
Compressor operational?	Yes	No
Compressor hours.	8047	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.	1 A	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.	.25	Gallons
DNAPL/water to oil/water separator.	760	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		Drums
LNAPL drums		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)	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.	2412	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	PSI
Pneumatic settings adjusted?	Yes	(No)
Discharge control setting (departure)	<b>A</b>	Arrow
Refill control setting (departure)	<b>→</b>	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?	(Ves)	No
Separator cleaned?	Yes	رهلات

Technician:_	ART	KOSKE	
Date:	12-0	9	

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.	3.5	GPM
Totalizer reading (cumulative volume).	89506	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 carbon drum pressure.	न	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.	31/2	PSI
Secondary carbon removed for disposal?	Yes	No
Polishing drum rotated to secondary?	Yes	No
New carbon placed in secondary drum?	Yes	MO)
Polishing carbon drum integrity.	Good	Poor
Polishing carbon drum leaks?	Yes	No
Polishing carbon drum pressure.	172	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.	Good	Poor
Shed ventilation acceptable?	Yes	No
Repairs/work needed?	Yes	No
Spill evidence?	Yes	
Electrical and Heating		
Electric controls operational	(Yes)	No
Heater operational	Yes	No

Miscellaneous - (Continued)	ž į	
Access Vaults	. 1	
Overall vault integrity.	Good	Poor
Repairs needed to vaults?	Yes	No
<u>Air Compressor</u>		
Compressor operational?	(Yes)	No
Compressor hours.	8082	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.	,	Gallons
DNAPL/water to disposal drum.	0125	Gallons
DNAPL/water to oil/water separator.	25	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	1	Drums
PPE/Solids drums	ı	Drums
LNAPL drums	1	Drums
Drums labeled?	Yes	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)	42	PSI
DNAPL pump pressure (departure)	42	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	(Mo)
Decant valve integrity.	Good	Poor
DNAPL Pump and Piping		
DNAPL piping integrity.	Good	Poor
	Yes	No
DNAPL pump cleaned?  DNAPL top of pump depth.		Feet
DIVALE top of bamb debut.	241/2	reet

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	PSI
Pneumatic settings adjusted?	Yes	No
Discharge control setting (departure)	4	Arrow
Refill control setting (departure)	<b>→</b>	Arrow
LNAPL Pump and Piping		
LNAPL piping integrity.	Good	Poor
LNAPL pump cleaned?	Yes	(No)
LNAPL top of pump depth.	131/2	Feet
<u>Oil/Water Separator</u>		
Water high level shut-off operational?	Yes	No
White warning light operational?	Yes	No
Separator vessel integrity.	Good	Poor
Leaks present?	Yes	₩
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:	-22-	09	

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.	3.2	GPM
Totalizer reading (cumulative volume).	95878	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.	9	PSI
Primary carbon removed for disposal?	Yes	No
Secondary carbon drum rotated to primary?	Yes	<b>₹</b>
New carbon placed in primary drum?	Yes	₩ <b>⊙</b>
Secondary carbon drum integrity.	Good	Poor
Secondary carbon drum leaks?	Yes	No
Secondary carbon drum pressure.	31/2	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.	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	No No

Miscellaneous - (Continued)		
Access Vaults		
Overall vault integrity.	Good	Poor
Repairs needed to vaults?	Yes	(No)
Air Compressor		1
Compressor operational?	Yes	No
Compressor hours.	8136	Hours
Oil level checked?	(es)	No
Oil level changed?	Yes	$N_0$
Compressor trap operating?	(es)	. No
Regulator operating?	Yes	No
Air lines performing properly?	Yes	No

Sampling		
Primary carbon influent sampled?	Yes	<b>M</b> 0
Primary carbon effluent sampled?	Yes	(140)
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.	125	Gallons
DNAPL/water to oil/water separator.	75	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	7	Drums
LNAPL drums	1	Drums
Drums labeled?	(Ses.)	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)	شاتح	PSI
DNAPL pump pressure (departure)	42	PSI
Pneumatic settings adjusted?	Yes	(No)
Discharge control setting (departure)	W.	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.	24/2	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	PSI
Pneumatic settings adjusted?	Yes	(No)
Discharge control setting (departure)	<b>1</b>	Arrow
Refill control setting (departure)	<b>→</b>	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?	(Tes)	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	Cert	82	1	
Date:	1-27-0	9		

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.	3.2	GPM
Totalizer reading (cumulative volume).	98532	Gallons
Water filters changed?	Yes	No
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.	7/2	PSI
Primary carbon removed for disposal?	Yes	No
Secondary carbon drum rotated to primary?	Yes	NO
New carbon placed in primary drum?	Yes	(MO)
Secondary carbon drum integrity.	Good	Poor
Secondary carbon drum leaks?	Yes	( <u>J</u> ZO)
Secondary carbon drum pressure.	2112	PSI
Secondary carbon removed for disposal?	Yes	(No)
Polishing drum rotated to secondary?	Yes	140
New carbon placed in secondary drum?	Yes	<b>6</b>
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	140
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	No No

Miscellaneous - (Continued)		
Access Vaults		
Overall vault integrity.	(Good)	Poor
Repairs needed to vaults?	Yes	N <sub>0</sub>
<u>Air Compressor</u>		
Compressor operational?	Yes	No
Compressor hours.	8166	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	aliana i Tilana i Ta	
Primary carbon influent sampled?	(Tes)	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	(Mo)

Recovery and Disposal	ماريق مواجع البريار والإدا	
Recovery from DNAPL Drum		
Pure DNAPL to disposal drum.		Gallons
DNAPL/water to disposal drum.		Gallons
DNAPL/water to oil/water separator.	27	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	1	Drums
Drums labeled?	Yes	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)	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
<u>DNAPL Pump and Piping</u>		
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)	1	Arrow
Refill control setting (departure)	<u>→</u>	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	
Separator cover and seal integrity.	Good	Poor
Decant valve integrity.	Good	Poor
LNAPL in separator?	Yes	No
Separator needs cleaning?	Ves	No
Separator cleaned?	Yes	<b>440</b>

Technician:_	ART	KOSKC	
Date: 2	- e1 - C	9	

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.	3.6	GPM
Totalizer reading (cumulative volume).	98553	Gallons
Water filters changed?	Yes	No
Filter unit pressure (arrival/departure)	15/15	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	
Secondary carbon drum rotated to primary?	Yes	(No)
New carbon placed in primary drum?	Yes	<b>6</b>
Secondary carbon drum integrity.	Good	Poor
Secondary carbon drum leaks?	Yes	No
Secondary carbon drum pressure.	312	A
Secondary carbon removed for disposal?	Yes	(No)
Polishing drum rotated to secondary?	Yes	No
New carbon placed in secondary drum?	Yes	
Polishing carbon drum integrity.	Good	Poor
Polishing carbon drum leaks?	Yes	€No
Polishing carbon drum pressure.	142	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.	Good	Poor
Shed ventilation acceptable?	Yes	No
Repairs/work needed?	Yes	(No)
Spill evidence?	Yes	<b>100</b>
Electrical and Heating		
Electric controls operational	Yes	No
Heater operational	Yes	No

Miscellaneous - (Continued)	200 - 100 -	
Access Vaults	***************************************	
Overall vault integrity.	Good	Poor
Repairs needed to vaults?	Yes	(NO)
<u>Air Compressor</u>		
Compressor operational?	Yes	No
Compressor hours.	8195	Hours
Oil level checked?	A CES	No
Oil level changed?	Yes	No
Compressor trap operating?	Yes	No
Regulator operating?	Yes	No
Air lines performing properly?	es	No

Yes	No
Yes	
Yes	\$40
Yes	No
	a.m./p.m.
Yes	COMS
	Yes Yes Yes

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.	86	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	1	Drums
Drums labeled?	Yes	No
Drums palletized?	Yes	No

DNAPL System		
Operational upon arrival?	Yes	No
DNAPL pump pressure (arrival)	40	PSI
DNAPL pump pressure (departure)	40	PSI
Pneumatic settings adjusted?	Yes	(No)
Discharge control setting (departure)	K	Arrow
Refill control setting (departure)		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 Poor
DNAPL Pump and Piping DNAPL piping integrity. DNAPL pump cleaned? DNAPL top of pump depth.	Good Yes Z4'/2	Poor No Feet

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LNAPL/Groundwater System		
Operational upon arrival?	Yes	No
LNAPL pump pressure (arrival)	30	PSI
LNAPL pump pressure (departure)	30	PSI
Bubbler tube operating pressure.	. ३	PSI
Pneumatic settings adjusted?	Yes	NO
Discharge control setting (departure)	不	Arrow
Refill control setting (departure)	>	Arrow
LNAPL Pump and Piping	ł	
LNAPL piping integrity.	Good	Poor
LNAPL pump cleaned?	Yes	
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

Technicia	an: ART	KOSKC	
Date:	2-10-	09	

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°6	GPM
Totalizer reading (cumulative volume).	102533	Gallons
Water filters changed?	(Yes)	No
Filter unit pressure (arrival/departure)	35/10	PSI
Carbon Treatment Drums		
Primary carbon drum integrity.	Good	Poor
Primary carbon drum leaks?	Yes	No
Primary carbon drum pressure.	25/17	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.	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.	2	PSI
Polishing carbon removed for disposal?	Yes	( <u>Mo</u> )
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.	Good	Poor
Shed ventilation acceptable? Repairs/work needed?	Yes	No No
Spill evidence?	Yes	No
Electrical and Heating		
Electric controls operational Heater operational	Yes	No No

Miscellaneous - (Continued)		
Access Vaults		
Overall vault integrity.	(Good)	Poor
Repairs needed to vaults?	Yes	No
Air Compressor		
Compressor operational?	Yes	No
Compressor hours.	8230	Hours
Oil level checked?	(Yes)	No
Oil level changed?	Yes	No
Compressor trap operating?	Yes	No
Regulator operating?	Yes	No
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	No
Time sampled.		a.m./p.m.
Product sampled?	Yes	$(N_0)$

Recovery and Disposal		
Recovery from DNAPL Drum		,
Pure DNAPL to disposal drum.		Gallons
DNAPL/water to disposal drum.	2512	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	(	Drums
LNAPL drums	i	Drums
Drums labeled?	Yes	No
Drums palletized?	Yes	No

Notes: INSTALLED NEW POLISHING DRUM

DNAPL System	W.	
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)	R	Arrow
Refill control setting (departure)	100	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)	<b>^</b>	Arrow
Refill control setting (departure)	<b>→</b>	Arrow
LNAPL Pump and Piping		
LNAPL piping integrity.	Good	Poor
LNAPL pump cleaned?	Yes	No
LNAPL top of pump depth.	14	Feet
Qil/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	KOSKK	
Date: 2-25-6	09	

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.	3.0	GPM
Totalizer reading (cumulative volume).	109285	Gallons
Water filters changed?	Yes	No
Filter unit pressure (arrival/departure)	40/14	PSI
<u>Carbon Treatment Drums</u>		
Primary carbon drum integrity.	Good	Poor
Primary carbon drum leaks?	Yes	No
Primary carbon drum pressure.	8	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.	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.	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?	Tes	No

Miscellaneous	r	
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	Yes	No No

Miscellaneous - (Continued)		
Access Vaults	and the state of t	
Overall vault integrity.	Good	Poor
Repairs needed to vaults?	Yes	No.
Air Compressor		
Compressor operational?	Yes	No
Compressor hours.	8320	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	on your same in the	
Primary carbon influent sampled?	Yes	No
Primary carbon effluent sampled?	Yes	No
Secondary carbon effluent sampled?	Yes	No
Compliance event?	Tes	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.	1/2	Gallons
DNAPL/water to oil/water separator.	31	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	2	Drums
PPE/Solids drums	1	Drums
LNAPL drums	1	Drums
Drums labeled?	Yes	No
Drums palletized?	Yes	No

Notes: REPLACED WHITE WARNING BULB

#### *Table 4-1*

#### Site Visit Checklist/Data Sheet

DNAPL System		
Operational upon arrival?	Yes	No
DNAPL pump pressure (arrival)	42	PSI
DNAPL pump pressure (departure)	47	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
	1	
DNAPL Pump and Piping		
DNAPL piping integrity.	Good	Poor
DNAPL pump cleaned?	Yes	No
DNAPL top of pump depth.	2472	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)	<del>-&gt;</del>	Arrow
LNAPL Pump and Piping		t a se
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: 3-3-69	_

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.	3.2	GPM
Totalizer reading (cumulative volume).	112135	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 carbon drum pressure.	8	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	<b>(40)</b>
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	$\bigcirc$
Polishing carbon drum pressure.		PSI
Polishing carbon removed for disposal?	Yes	No
New carbon placed in primary drum?	Yes	No
<u>Discharge Piping</u>		
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

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?	Yes FI353 Yes	No Hours No No
Compressor trap operating? Regulator operating? Air lines performing properly?	Yes Yes Yes	No No No

Sampling		
Primary carbon influent sampled?	Yes	C-No-2
Primary carbon effluent sampled?	Yes	CNO
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.	23	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	2	Drums
PPE/Solids drums	1	Drums
LNAPL drums	1	Drums
Drums labeled?	Yes	No
Drums palletized?	Yes	No

Notes:



JUN 0 8 2009

NYSDEC REG 9
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#### *Table 4-1*

#### Site Visit Checklist/Data Sheet

DNAPL System		
Operational upon arrival?	Yes	No
DNAPL pump pressure (arrival)	40	PSI
DNAPL pump pressure (departure)	40	PSI
Pneumatic settings adjusted?	Yes	No
Discharge control setting (departure)	N	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	(0)
Decant valve integrity.	Good	Poor
DNAPL Pump and Piping		
DNAPL piping integrity.	Good	Poor
DNAPL pump cleaned?	Yes	No.
DNAPL top of pump depth.	2442	Feet

<u> </u>		
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	PSI
Pneumatic settings adjusted?	Yes	No
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	1	
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:	3-11-	09	

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).	112870	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 carbon drum pressure.	7/2	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.	242	PSI
Secondary carbon removed for disposal?	Yes	No
Polishing drum rotated to secondary?	Yes	(No)
New carbon placed in secondary drum?	Yes	<b>M</b>
Polishing carbon drum integrity.	Good	Poor
Polishing carbon drum leaks?	Yes	(No)
Polishing carbon drum pressure.	177	PSI
Polishing carbon removed for disposal?	Yes	(No)
New carbon placed in primary drum?	Yes	(N)
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

Miscellaneous - (Continued)		
Access Vaults		
Overall vault integrity.	Good	Poor
Repairs needed to vaults?	Yes	
Air Compressor		
Compressor operational?	Yes	No
Compressor hours.	8401	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	
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	(1/0)

Recovery and Disposal		
Recovery from DNAPL Drum		
Pure DNAPL to disposal drum.	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	Gallons
DNAPL/water to disposal drum.	·5 <del>*</del>	Gallons
DNAPL/water to oil/water separator.	8	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)	ì	Drums
Spent carbon drums	2	Drums
PPE/Solids drums	i	Drums
LNAPL drums	1	Drums
Drums labeled?	Yes	No
Drums palletized?	CES C	No

Notes:



JUN 0 8 2009

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#### *Table 4-1*

#### Site Visit Checklist/Data Sheet

DNAPL System		
Operational upon arrival?	Yes	No
DNAPL pump pressure (arrival)	42	PSI
DNAPL pump pressure (departure)	42	PSI
Pneumatic settings adjusted?	Yes	(00)
Discharge control setting (departure)	K	Arrow
Refill control setting (departure)	Ú.	Arrow
DV4DV D		
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
DNADI Dawn and Dining		
DNAPL Pump and Piping		D
DNAPL piping integrity.	Good	Poor
DNAPL pump cleaned?	Yes	NO
DNAPL top of pump depth.	24/2	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	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:	3-24-	39	

LNAPL/Groundwater System - (Continued)		
Transfer Pump and Piping		
Pump operational?	Zes >	No
Pump integrity.	Good	Poor
Flow meter operational?	Yes	No
Transfer pump flow rate.	3.60	GPM
Totalizer reading (cumulative volume).	120461	Gallons
Water filters changed?	Yes	No
Filter unit pressure (arrival/departure)	40/160	PSI
• • • •		
Carbon Treatment Drums		
Primary carbon drum integrity.	Good	Poor
Primary carbon drum leaks?	Yes	No
Primary carbon drum pressure.	9	PŠI
Primary carbon removed for disposal?	Yes	(1/0)
Secondary carbon drum rotated to primary?	Yes	200
New carbon placed in primary drum?	Yes	(No
Secondary carbon drum integrity.	Good	Poor
Secondary carbon drum leaks?	Yes	(No)
Secondary carbon 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	
Polishing carbon drum integrity.	Good	Poor
Polishing carbon drum leaks?	Yes	No
Polishing carbon drum pressure.	172	PST
Polishing carbon removed for disposal?	Yes	No
New carbon placed in primary drum?	Yes	
Thew curson placed in primary druin:	103	
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

Miscellaneous - (Continued)		
Access Vaults		
Overall vault integrity.	Good	Poor
Repairs needed to vaults?	Yes	No
	1	
Air Compressor		
Compressor operational?	(es)	No
Compressor hours.	8475	Hours
Oil level checked?	Yes	No
Oil level changed?	Yes	<b>©</b>
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.	.125	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		
DNAPL drums on-site (full and fractional)	ì	Drums
Spent carbon drums	2	Drums
PPE/Solids drums	)	Drums
LNAPL drums	ĺ	Drums
Drums labeled?	Yes	No
Drums palletized?	a es	No

Notes:

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#### <u> Table 4-1</u>

#### Site Visit Checklist/Data Sheet

DNAPL System		
Operational upon arrival?	Yes	No
DNAPL pump pressure (arrival)	42	PSI
DNAPL pump pressure (departure)	42	PSI
Pneumatic settings adjusted?	Yes	(O)
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	(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)	30	PSI
LNAPL pump pressure (departure)	30	PSI
Bubbler tube operating pressure.	3	PSI
Pneumatic settings adjusted?	Yes	(No)
Discharge control setting (departure)	<b>^</b>	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

Technici	an: ART	KOSKR	
Date:	3-30 = 6	39	

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 ∘ (	GPM
Totalizer reading (cumulative volume).	124949	Gallons
Water filters changed?	Yes	(No)
Filter unit pressure (arrival/departure)	22	PSI
Carbon Treatment Drums		
Primary carbon drum integrity.	Good	Poor
Primary carbon drum leaks?	Yes	No
Primary carbon drum pressure.	-	PSI
Primary carbon removed for disposal?	Yes	No
Secondary carbon drum rotated to primary?	Yes	(NO)
New carbon placed in primary drum?	Yes	<b>6</b> 00
Secondary carbon drum integrity.	Good	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.	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.	(Good)	Poor
Shed ventilation acceptable?	Yes	No
Repairs/work needed?	Yes	No
Spill evidence?	Yes	No
Electrical and Heating		ĺ
Electric controls operational	Yes	No
Heater operational		No

Miscellaneous - (Continued)		
Access Vaults		
Overall vault integrity.	Good	Poor
Repairs needed to vaults?	Yes	No
Air Compressor		
Compressor operational?	Yes)	No
Compressor hours.	8514	Hours
Oil level checked?	(ES)	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 🚭
Primary carbon effluent sampled?	Yes No
Secondary carbon effluent sampled?	(Yes)
Compliance event?	(Yes)
Time sampled.	11 30 (a.m. sp.m.
Product sampled?	Yes No

Recovery and Disposal		
Recovery from DNAPL Drum		
Pure DNAPL to disposal drum.	***************************************	Gallons
DNAPL/water to disposal drum.	1125	Gallons
DNAPL/water to oil/water separator.	3	Gallons
Recovery from Oil/Water Separator		
Pure DNAPL to disposal drum.	-	Gallons
DNAPL/water to disposal drum.	Challenger	Gallons
Product, Carbon, Waste Storage		
DNAPL drums on-site (full and fractional)	j	Drums
Spent carbon drums	<b>3</b>	Drums
PPE/Solids drums	ı	Drums
LNAPL drums		Drums
Drums labeled?	Yes	No
Drums palletized?	Yes	No

Notes:

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#### <u> Table 4-1</u>

#### Site Visit Checklist/Data Sheet

DNAPL System		
Operational upon arrival?	Yes	No
DNAPL pump pressure (arrival)	47	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	140
DNAPL top of pump depth.	2412	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	PSI
Pneumatic settings adjusted?	Yes	No
Discharge control setting (departure)	a 1	Arrow
Refill control setting (departure)	<del>-</del>	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

Technic	oian: ART	KOSKE	
Date:	4-15-09	<b>?</b>	

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.	4.1	GPM
Totalizer reading (cumulative volume).	128062	Gallons
Water filters changed?	<b>€</b> eş	No
Filter unit pressure (arrival/departure)	40/14	PSI
Carbon Treatment Drums		
Primary carbon drum integrity.	Good	Poor
Primary carbon drum leaks?	Yes	MO)
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.	31/2	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.	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.	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

Miscellaneous - (Continued)		
Access Vaults		
Overall vault integrity.	Good	Poor
Repairs needed to vaults?	Yes	No No
Air Compressor		
Compressor operational?	Yes	No
Compressor hours.	8613	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	140
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.	.125	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)		Drums
Spent carbon drums	-3	Drums
PPE/Solids drums	1	Drums
LNAPL drums	1	Drums
Drums labeled?	ČČES	No
Drums palletized?	¿ ES	No

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#### *Table 4-1*

#### Site Visit Checklist/Data Sheet

DNAPL System		
Operational upon arrival?	Yes	No
DNAPL pump pressure (arrival)	40	PSI
DNAPL pump pressure (departure)	40	PSI
Pneumatic settings adjusted?	(Yes)	No
Discharge control setting (departure)	K	Arrow
Refill control setting (departure)	V	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		- 255
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	PSI
Pneumatic settings adjusted?	Yes	No
Discharge control setting (departure)	<b>1</b>	Arrow
Refill control setting (departure)	<b>→</b>	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

Technicia	m: ART	KOSKK	
Date:	4-22-	09	

LNAPL/Groundwater System - (Continu	ed)	
Transfer Pump and Piping		
Pump operational?	Yes	No
Pump integrity.	Good	Poor
Flow meter operational?	Yes	No
Transfer pump flow rate.	3.9	GPM
Totalizer reading (cumulative volume).	13300	Gallons
Water filters changed?	(Yes)	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.	6	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.	_3	PSI
Secondary carbon removed for disposal?	Yes	(No)
Polishing drum rotated to secondary?	Yes	010
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	W
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?	Good Yes Yes	Poor No
Spill evidence?  Electrical and Heating Electric controls operational Heater operational	Yes	No No

Miscellaneous - (Continued)		
Access Vaults		
Overall vault integrity.	Good	Poor
Repairs needed to vaults?	Yes	(No)
Air Compressor		
Compressor operational?	(Yes)	No
Compressor hours.	8659	Hours
Oil level checked?	Yes >	No
Oil level changed?	Yes	No
Compressor trap operating?	Yes	No
Regulator operating?	(ES)	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.	000	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	3	Drums
PPE/Solids drums		Drums
LNAPL drums		Drums
Drums labeled?	Yes	No
Drums palletized?	Tes	No

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DNAPL System		
Operational upon arrival?	Yes	No
DNAPL pump pressure (arrival)	40	PSI
DNAPL pump pressure (departure)	40	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.	24 1/2	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	PSI
Pneumatic settings adjusted?	Yes	No
Discharge control setting (departure)	不	Arrow
Refill control setting (departure)	<b>→</b>	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

Technici	ian: ARTKOSKIZ	
	4-30-09	

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)	\(\frac{\partial}{25}\) \(\fra	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 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?	Good Yes Yes Yes Yes Yes	Poor No PSI 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 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 Good Yes Good Yes	Poor Poor No Poor No

Miscellaneous		Arriva Maria
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.	Good	Poor
Repairs needed to vaults?	Yes	No
Air Compressor		
Compressor operational?	Yes	No
Compressor hours.	8472	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.	9:20	a.m. B.m.
Product sampled?	Yes	(No)

Recovery and Disposal		
Recovery from DNAPL Drum		
Pure DNAPL to disposal drum.	~	Gallons
DNAPL/water to disposal drum.	0125	Gallons
DNAPL/water to oil/water separator.		Gallons
Recovery from Oil/Water Separator		or 1
Pure DNAPL to disposal drum.		Gallons
•		Gallons
DNAPL/water to disposal drum.		Ganons
Product Carbon, Waste Storage		
DNAPL drums on-site (full and fractional)	1	Drums
Spent carbon drums	3	Drums
PPE/Solids drums	7	Drums
LNAPL drums		Drums
Drums labeled?	(Xes)	No
Drums palletized?	Yes	No

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#### *Table 4-1*

#### Site Visit Checklist/Data Sheet

DNAPL System		
Operational upon arrival?	Yes	No
DNAPL pump pressure (arrival)	42	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?	755	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.	74/11	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	PSI
Pneumatic settings adjusted?	Yes	No
Discharge control setting (departure)	个	Arrow
Refill control setting (departure)	<del>_</del>	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: 5	4-09		

LNAPL/Groundwater System - (Continued)		
Transfer Pump and Piping Pump operational? Pump integrity.	Yes Good	No Poor
Flow meter operational? Transfer pump flow rate. Totalizer reading (cumulative volume). Water filters changed? Filter unit pressure (arrival/departure)	3. Z 145 2.76 25/	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 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?	Good Yes Yes Yes Yes	Poor No PSI 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 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	Yes Yes	No No

Miscellaneous - (Continued)		
Access Vaults		
Overall vault integrity.	(Good)	Poor
Repairs needed to vaults?	Yes	No
Air Compressor		
Compressor operational?	Yes	No
Compressor hours.	8677	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.	-	Gallons
DNAPL/water to disposal drum.	•5	Gallons
DNAPL/water to oil/water separator.	G	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	.3	Drums
PPE/Solids drums	1	Drums
LNAPL drums	/	Drums
Drums labeled?	Yes	No
Drums palletized?	Yes	No

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DNAPL System		
Operational upon arrival?	Yes	No
DNAPL pump pressure (arrival)	42	PSI
DNAPL pump pressure (departure)	42	PSI
Pneumatic settings adjusted?	Yes	₹60 0
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	(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.	24/12	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	PSI
Pneumatic settings adjusted?	Yes	(1/0)
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	$N_0$
Separator vessel integrity.	Good	Poor
Leaks present?	Yes	No No
Separator cover and seal integrity.	Good	Poor
Decant valve integrity.	Good 2	Poor
LNAPL in separator?	Yes	No
Separator needs cleaning?	Yes	No
Separator cleaned?	Yes	

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Date:	5-12	-0	9	

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.	Hel	GPM
Totalizer reading (cumulative volume).	149658	Gallons
Water filters changed?	(Yes)	No
Filter unit pressure (arrival/departure)	38/12	PSI
Carbon Treatment Drums		
Primary carbon drum integrity.	Good	Poor
Primary carbon drum leaks?	Yes	<no )<="" td=""></no>
Primary carbon drum pressure.	61/2	PSI
Primary carbon removed for disposal?	Yes	No
Secondary carbon drum rotated to primary?	Yes	No
New carbon placed in primary drum?	Yes	
Secondary carbon drum integrity.	Good	Poor
Secondary carbon drum leaks?	Yes	No
Secondary carbon 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.	147	PSI
Polishing carbon removed for disposal?	Yes	No
New carbon placed in primary drum?	Yes	<b>**</b>
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?	(es)	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

Miscellaneous - (Continued)		
Access Vaults		_
Overall vault integrity.	Good	Poor
Repairs needed to vaults?	Yes	No )
Air Compressor		
Compressor operational?	Yes	No
Compressor hours.	8706	Hours
Oil level checked?	Yes	No
Oil level changed?	Yes	(NO)
Compressor trap operating?	Yes	No
Regulator operating?	Yes 2	No
Air lines performing properly?	Yes	No

Sampling		
Primary carbon influent sampled?	Yes	No
Primary carbon effluent sampled?	Yes	1 100
Secondary carbon effluent sampled?	Yes	No.
Compliance event?	Yes	
Time sampled.		an /p.m.
Product sampled?	Yes	(No)

Recovery and Disposal		
Recovery from DNAPL Drum		
Pure DNAPL to disposal drum.	*Companies	Gallons
DNAPL/water to disposal drum.	2125	Gallons
DNAPL/water to oil/water separator.	17	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	3	Drums
PPE/Solids drums	1	Drums
LNAPL drums	/	Drums
Drums labeled?	Z'es>	No
Drums palletized?	TES	No

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#### *Table 4-1*

#### Site Visit Checklist/Data Sheet

DNAPL System		
Operational upon arrival?	Yes	No
DNAPL pump pressure (arrival)	-10	PSI
DNAPL pump pressure (departure)	40	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		
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)	不	Arrow
Refill control setting (departure)	<u> </u>	Arrow
LNAPL Pump and Piping	9	
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?	Tes	No
Separator cleaned?	Yes	CNO)

Technician: ART	KOSKE	
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Date: 5-20-	-09	

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.	4.0	GPM
Totalizer reading (cumulative volume).	152824	Gallons
Water filters changed?	Yes	No
Filter unit pressure (arrival/departure)	38/12	PSI
Carbon Treatment Drums		
Primary carbon drum integrity.	Good	Poor
Primary carbon drum leaks?	Yes	No
Primary carbon drum pressure.	(0	PSI
Primary carbon removed for disposal?	Yes	(1/0)
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.	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.	142	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.	Good	Poor
Shed ventilation acceptable? Repairs/work needed?	Yes	No No
Spill evidence?	Yes	No
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?	Yes P740 Yes Yes Yes Yes	No Hours No No No No No

Sampling		
Primary carbon influent sampled?	Yes	(o)
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.	.125	Gallons
DNAPL/water to oil/water separator.	160	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	Ŋ	Drums
PPE/Solids drums	J	Drums
LNAPL drums	i	Drums
Drums labeled?	Yes	No
Drums palletized?	Yes	No

Notes:

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