FORMER GASTOWN MGP SITE SITE NO. 915171

2004 SITE VISIT CHECKLISTS FOR THE GROUNDWATER COLLECTION & TREATMENT SYSTEM

Si	te Visit C	hecklists	for Octol	ber 2004	ł are miss	sing.

DNAPL System - Hi Level	- DMAPL	prum
Operational upon arrival?	Yes	⊕
DNAPL pump pressure (arrival)	23	PSI
DNAPL pump pressure (departure)	18	PSI
Pneumatic settings adjusted?	Yes	(No)
Discharge control setting (departure)	A	Arrow
Refill control setting (departure)	1	Arrow
DNAPL Drum High level shut off operational? Green warning light operational? DNAPL drum container condition. Leaks present? Decant valve integrity.	(S) 28 (S	No No Poor (No) Poor
DNAPL Pump and Piping DNAPL piping integrity. DNAPL pump cleaned?	(Good) Yes	Poor (No)
DNAPL top of pump depth.		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	PSI
Pneumatic settings adjusted?	Yes	(QD)
Discharge control setting (departure)	R	Arrow
Refill control setting (departure)	V	Arrow
LNAPL Pump and Piping LNAPL piping integrity. LNAPL pump cleaned? LNAPL top of pump depth.	Good Yes	Poor No Feet
Oil/Water Separator High level oil shut-off operational? High level water shut-off operational? White warning light operational? Separator vessel condition. Leaks present? Separator cover and seal condition. Decant valve integrity. LNAPL in separator? Separator needs cleaning? Separator cleaned?	प्रस्था है। इस स्थान है। इस स्थान है। इस स्थान है।	No No No Poor Poor Poor Poor Poor Poor P
LNAPL Storage Drum LNAPL drum condition.	Good	Poor
LNAPL drum condition. LNAPL drum leaks?	Yes	No
Drum high level shut-off operational?	Yes ,	No
Technician: K Date:	19/04	-/

All UNSTE ONDITE UNS Removed FOR PISPOSAL This week

LNAPL/Groundwater System - (Continued)			
Equalization Drum Equalization drum condition. Equalization drum leaks? Drum high level shut-off operational?	Good Yes Yes	Poor No No	
Transfer Pump and Piping Pump operational? Pump condition. Flow meter operational? Transfer pump flow rate. f g c (51 - 12.0	(Yes) (Good) (Es) (G. 35)	No Poor No GPM	
Carbon Treatment Units Primary carbon unit condition. Primary carbon unit leaks? Primary carbon unit pressure. Primary carbon removed for disposal? Secondary carbon unit rotated to primary? New carbon placed in primary unit?	Good Yes 7.0 Yes Yes Yes	Poor (No) PSI (No) (No)	
Secondary carbon unit condition. Secondary carbon unit leaks? Secondary carbon unit pressure. Secondary carbon removed for disposal? Polishing unit rotated to secondary? New carbon placed in secondary unit?	Yes Yes Yes Yes Yes	Poor No PSI No So So	
Polishing carbon unit condition. Polishing carbon unit leaks? Polishing carbon unit pressure. Polishing carbon removed for disposal? New carbon placed in secondary unit?	Yes 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?	(3) (3) (3) (3) (3) (3) (3) (3) (3) (3)	Poor Poor No Poor No	

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

Next To Bring BAL of PADS & 55 GDI Prums (2) TO SITE

Miscellaneous - (Continued)		
Extraction Well Overall vault condition. Work needed on vault?	Good Yes	Poor (Na
Air Compressor Compressor operational? Compressor hours. Oil level checked? Oil level changed? Compressor trap operating? Regulator operating? Air lines performing propoelly?	(Yes) 2813.6 (Yes) (Yes) (Yes) (Yes)	No Hours No No No No No

Sampling			
Pre-carbon water sampled?	Yes	(No)	
Pre-carbon sample ports clear?	Y'és >	No	
Mid-carbon water sampled?	Yes	(No)	
Mid-carbon sample ports clear?	(Ya	No	
Post carbon water sampled?	Yes	¢ P P	
Post carbon sample ports clear?	(Ves)	No	
Time sampled?	NA	a.m./p.m.	
Compliance event?	Yes	NO	
Product sampled?	Yes	(No)	

Recovery and Disposal		
Totalizer reading.	805113	Gallons
Recovery from DNAPL Drum Pure DNAPL to disposal drum. DNAPL/water to disposal drum. DNAPL/water to oil/water separator.	0.0 0.0 75.0	Gallons Gallons Gallons
Recovery from Oil/Water Separator Pure DNAPL to disposal drum. DNAPL/water to disposal drum.	0,0 0.0	Gallons Gallons
Recovery from LNAPL Drum Pure LNAPL to disposal drum. LNAPL/water to disposal drum. LNAPL/water to oil/water separator,	NK /	Gallons Gallons Gallons
Product. Carbon. Waste Storage DNAPL drums on-site (full and fractional) Spent carbon drums PPE/Solids drums LNAPL drums Drums labeled	7 0 N X (Fe)	Drums Drums Drums Drums No

NOTES: Cheened RUNKIZ Sleene on CUlligan UV FITHS. plugged IN Sprin heater IN NON XP Stope of Shed.

DNAPL System		
Operational upon arrival?	Yes	No
DNAPL pump pressure (arrival)	.001	PSI
DNAPL pump pressure (departure)	4/1	PSI
Pneumatic settings adjusted?	Yes	(No
Discharge control setting (departure)	7	Arrow
Refill control setting (departure)	•	Arrow
DNAPL Drum High level shut off operational? Green warning light operational? DNAPL drum container condition. 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?	Good? Yes	Poor (No)
DNAPL top of pump depth.	NA	Feet

LNAPL/Groundwater System		
Operational upon arrival?	Yes	(No)
LNAPL pump pressure (arrival)	1/1	PSI
LNAPL pump pressure (departure)	NA	PSI
Bubbler tube operating pressure.	41A	PSI
Pneumatic settings adjusted?	Yes	(No⊇
Discharge control setting (departure)	K	Arrow
Refill control setting (departure)	W.	Arrow
LNAPL Pump and Piping		
LNAPL piping integrity.	⟨Good⟩	Poor
LNAPL pump cleaned?	Yes	(No)
LNAPL top of pump depth.	NA	Feet
Oil/Water Separator	•	
High level oil shut-off operational?	(Yes)	No
High level water shut-off operational?	(Yes)	No
White warning light operational?	(Yes)	No
Separator vessel condition.	<good></good>	Poor
Leaks present?	Yes	(No
Separator cover and seal condition.	Good	Poor
Decant valve integrity.	Good >	Poor
LNAPL in separator?	Yes	(No)
Separator needs cleaning?	Yes	(No)
Separator cleaned?	Yes	(Ng)
LNAPL Storage Drum		7
LNAPL drum condition.	Good	Poor
LNAPL drum leaks?	Yes	No
Drum high level shut-off operational?	Yes	No
Technician: 01-16-64 Date:	DN/	

LNAPL/Groundwater System - (Continued)			
Cliri Down			
Equalization Drum Equalization drum condition.	Good	Poor	
Equalization drum leaks?	Yes	No.	
Drum high level shut-off operational?	Yes	No No	
Drum night level shut-off operational?	1 53	NO	
Transfer Pump and Piping			
Pump operational?	(Yes	No	
Pump condition.	(Good)	Poor	
Flow meter operational?	⊂ Yes⊃	No	
Transfer pump flow rate.	7.48	GPM	
filter PSI	13.0	1'ST	
Carbon Treatment Units	, , ,		
Primary carbon unit condition.	< G ood>	Poor	
Primary carbon unit leaks?	Yes	(No⊃	
Primary carbon unit pressure.	57.0	PSI	
Primary carbon removed for disposal?	Yes	(No	
Secondary carbon unit rotated to primary?	Yes	(No.	
New carbon placed in primary unit?	Yes	(No)	
Secondary carbon unit condition.	Good	Poor	
Secondary carbon unit leaks?	Yes	(Ñò	
Secondary carbon unit pressure.	0.0	PSI	
Secondary carbon removed for disposal?	Yes	No	
Polishing unit rotated to secondary?	Yes	(No	
New carbon placed in secondary unit?	Yes	(No	
man out on prince in percentally man.		لوزيها	
Polishing carbon unit condition.	(Good)	Poor	
Polishing carbon unit leaks?	Yes	(No?	
Polishing carbon unit pressure.	.NA	PSI	
Polishing carbon removed for disposal?	Yes	Ñò	
New carbon placed in secondary unit?	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			

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

Miscellaneous - (Continued)		
Extraction Well Overall vault condition. Work needed on vault?	Good' Yes	Poor (No
Air Compressor Compressor operational?	(Yēs)	No
Compressor hours.	2813,6	Hours
Oil level checked?	(Yes)	No
Oil level changed?	Yes	(No)
Compressor trap operating?	(Yes)	No
Regulator operating?	⟨Yés⟩	No
Air lines performing properly?	(Yes)	No

Sampling		
Pre-carbon water sampled?	Yes	(No)
Pre-carbon sample ports clear?	<yes ?<="" td=""><td>No</td></yes>	No
Mid-carbon water sampled?	Yes	No
Mid-carbon sample ports clear?	CYes'	No
Post carbon water sampled?	Yes	(No)
Post carbon sample ports clear?	(Yes)	No
Time sampled?	11/1	a.m./p.m.
Compliance event?	Yes	(No.)
Product sampled?	Yes	(No)

Recovery and Disposal		
Totalizer reading.	509653	Gallons
Recovery from DNAPL Drum Pure DNAPL to disposal drum. DNAPL/water to disposal drum. DNAPL/water to oil/water separator.	0.25 0.25 0.0	Gallons Gallons Gallons
Recovery from Oil/Water Separator Pure DNAPL to disposal drum. DNAPL/water to disposal drum.	(,C (,V	Gallons Gallons
Recovery from LNAPL Drum Pure LNAPL to disposal drum. LNAPL/water to disposal drum. LNAPL/water to oil/water separator.		Gallons Gallons Gallons
Product. Carbon, Waste Storage DNAPL drums on-site (full and fractional) Spent carbon drums PPE/Solids drums LNAPL drums Drums labeled		Drums Drums Drums Drums No

NOTES: All parts of system functional except lines to vaults are frozen due to extreme cold temps.

DNAPL System		
Operational upon arrival?	Yes	(N)
DNAPL pump pressure (arrival)	M	PSI
DNAPL pump pressure (departure)	VI	PSI
Pneumatic settings adjusted?	Yes	No
Discharge control setting (departure)	4.	Arrow
Refill control setting (departure)	4	Алтом
DNAPL Drum		
High level shut off operational?	(१क्टें)	No
Green warning light operational?	(Yes)	No
DNAPL drum container condition.	(Dio)D)	Poor
Leaks present?	Yes	(พชว
Decant valve integrity.	(Good	Poor
DNAPL Pump and Piping		
DNAPL piping integrity.	(C000)	Poor
DNAPL pump cleaned?	Yes	(M2)
DNAPL top of pump depth.	21	Feet

LNAPL/Groundwater System		
Operational upon arrival?	Yes	No
LNAPL pump pressure (arrival)	211	PSI
LNAPL pump pressure (departure)	-vn	PSI
Bubbler tube operating pressure.	0.0	PSI
Pneumatic settings adjusted?	Yes	No
Discharge control setting (departure)	15	Arrow
Refill control setting (departure)	4	Arrow
LNAPL Pump and Piping		
LNAPL piping integrity.	Good	Poor
LNAPL pump cleaned?	Yes	(NO
LNAPL top of pump depth.	1.11	Feet
Oil/Water Separator		
High level oil shut-off operational?	(Yes	No
High level water shut-off operational?	Yes	No
White warning light operational?	CYD	No
Separator vessel condition.	(C009)	Poor
Leaks present?	Yes	(Ñ)
Separator cover and seal condition.	⟨Çoùth	Poor
Decant valve integrity.	Coop	Poor
LNAPL in separator?	Yes	(No
Separator needs cleaning?	Yes	(No
Separator cleaned?	Yes	(No)
LNAPL Storage Drum	NA NATA-BARAGAS	
LNAPL drum condition.	Good	Poor
LNAPI, drum leaks?	Yes	No
Drum high level shut-off operational?	Yes	No
Technician: Date:	01-23-6	14

LNAPL/Groundwater System - (Continued)		
Equalization Drum	The state of the s	
Equalization drum condition.	Good	Poor
Equalization drum leaks?	Yes	No
Drum high level shut-off operational?	Yes	No
Transfer Pump and Piping		
Pump operational?	(G)	No
Pump condition.	(Good)	Poor
Flow meter operational?	Yes	No
Transfer pump flow rate.	MA	GPM
Carbon Treatment Units		
Primary carbon unit condition.	Good	Poor
Primary carbon unit leaks?	Yes	(ND)
Primary carbon unit pressure.	11.1	PSI
Primary carbon removed for disposal?	Ýes	4/0
Secondary carbon unit rotated to primary?	Yes	(No)
New carbon placed in primary unit?	Yes	CNS
Secondary carbon unit condition.	(Good)	Poor
Secondary carbon unit leaks?	Yes	(Na
Secondary carbon unit pressure.	1.12	PSI
Secondary carbon removed for disposal?	Yes	(N2)
Polishing unit rotated to secondary?	Yes	(No
New carbon placed in secondary unit?	Yes	C No
Polishing carbon unit condition.	c.Goods	Poor
Polishing carbon unit leaks?	Yes	CNO
Polishing carbon unit pressure.	109	PSI
Polishing carbon removed for disposal?	Yes	(No
New carbon placed in secondary unit?	Yes	cNo
Discharge Piping		
Pipe integrity in shed.	(Coop)	Poor
Pipe integrity at catch basin.	CG000	Poor
Pipe at catch basin clear?	(Yes)	No
Pipe integrity at creek.	(Good)	Poor
Pipe at creek clear?	(Yes)	No
Miscellaneous		

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

Miscellaneous - (Continued)		
Extraction Well Overall vault condition. Work needed on vault?	< Good> Yes	Poor (No)
Air Compressor Compressor operational?	∠Y'es⁻	No
Compressor hours. Oil level checked?	(Yes)	Hours No
Oil level changed? Compressor trap operating?	Yes (Yes)	No No
Regulator operating? Air lines performing properly?	< Yes Yes Yes	No No

Sampling		
Pre-carbon water sampled?	Yes	(A)
Pre-carbon sample ports clear?	200	No
Mid-carbon water sampled?	Yes	(H)
Mid-carbon sample ports clear?	CYED	No
Post carbon water sampled?	Yes	₫ Ø
Post carbon sample ports clear?	2765>	No
Time sampled?	16/1	a.m./p.m.
Compliance event?	Yes	(Ng/
Product sampled?	Yes	(N)

F		
Recovery and Disposal		
Totalizer reading. 8.253664/.	8/253	Gallons
Recovery from DNAPL Drum		
Pure DNAPL to disposal drum.	C	Gallons
DNAPL/water to disposal drum.	0	Gallons
DNAPL/water to oil/water separator.	C	Gallons
Recovery from Oil/Water Separator		
Pure DNAPL to disposal drum.	0	Gallons
DNAPL/water to disposal drum.	Ċ	Gallons
		1
Recovery from LNAPL Drum		
Pure LNAPL to disposal drum.	in the same	Gallons
LNAPL/water to disposal drum	C	Gallons
LNAPL/water to oil/water separator.	<u> </u>	Gallons
Product, Carbon, Waste Storage		
DNAPL drums on-site (full and fractional)	, , , , , , , , , , , , , , , , , , , 	Drums
Spent carbon drums	0	Drums
PPE/Solids drums	`	Drums
LNAPL drums		Drums
Drums labeled	1000	
Diana moder	(Yes)	No

NOTES: System Down upon arrival agenture.

Beth vaults checked and appeared fine.

Lines appear to be fineen between Shear

DNAPL System	**************************************	
Operational upon arrival?	Yes	(No
DNAPL pump pressure (arrival)	30	PSI
DNAPL pump pressure (departure)	20	PSI
Pneumatic settings adjusted?	Yes	ζ N ỡ
Discharge control setting (departure)	*	Ārrow
Refill control setting (departure)		Arrow
DNAPL Drum High level shut off operational? Green warning light operational? DNAPL drum container condition. Leaks present? Decant valve integrity.	7 2 3 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	No No Poor No Poor
DNAPL Pump and Piping DNAPL piping integrity. DNAPL pump cleaned? DNAPL top of pump depth.	Good Yes	Poor Poor Feet

LNAPL/Groundwater System		
Operational upon arrival?	Yes	ĆŅĎ.
LNAPL pump pressure (arrival)	41	PSI
LNAPL pump pressure (departure)	41	PSI
Bubbler tube operating pressure.	7.6	PSI
Pneumatic settings adjusted?	Yes	(No)
Discharge control setting (departure)	43	Arrow
Refill control setting (departure)	2	Arrow
LNAPL Pump and Piping		
LNAPL piping integrity.	Good >	Poor
LNAPL pump cleaned?	Yes	No.
LNAPL top of pump depth.	MA	Feet
	•	
Oil/Water Separator	i	
High level oil shut-off operational?	(Yes	No
High level water shut-off operational?	(Yes)	No
White warning light operational?	(Yes)	No
Separator vessel condition.	(Good)	Poor
Leaks present?	Yes	ĆNoΣ
Separator cover and seal condition.	√Good>	Poor
Decant valve integrity.	Good 2	Poor
LNAPL in separator?	Yes	(No)
Separator needs cleaning?	Yes	(No)
Separator cleaned?	Yes	(No.)
, 1		
LNAPL Storage Drum		
LNAPL drum condition.	Good	Poor
LNAPL drum leaks?	Yes	No
Drum high level shut-off operational?	Yes	No
Technician: Date:	01:30	04

LNAPL/Groundwater System - (Contin	ued)	
Equalization Drum Equalization drum condition. Equalization drum leaks? Drum high level shut-off operational?	Good Yes Yes	Poor No No
Transfer Pump and Piping Pump operational? Pump condition. Flow meter operational? Transfer pump flow rate. Fifter 151 Carbon Treatment Units	Yes Good Yes 7.35-	No Poor No GPM
Primary carbon unit condition. Primary carbon unit leaks? Primary carbon unit pressure. Primary carbon removed for disposal? Secondary carbon unit rotated to primary? New carbon placed in primary unit?	Good Yes 7. C Yes Yes Yes	66.99 69.99 69.99 69.99 69.99 69.99
Secondary carbon unit condition. Secondary carbon unit leaks? Secondary carbon unit pressure. Secondary carbon removed for disposal? Polishing unit rotated to secondary? New carbon placed in secondary unit?	Good> Yes /. C/ Yes Yes Yes Yes	Poor (No) PSI (No) (No)
Polishing carbon unit condition. Polishing carbon unit leaks? Polishing carbon unit pressure. Polishing carbon removed for disposal? New carbon placed in secondary unit?	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?) (Goods) (Yes?)	Poor Poor No Poor No

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

Good>	_
Good> Yes	Poor (No)
Yes Yes Yes Yes >	No Hours No (No) No No
	Yes

Sampling		
Pre-carbon water sampled?	(Yes)	No
Pre-carbon sample ports clear?	(Yes)	No
Mid-carbon water sampled?	(Yes	(No)
Mid-carbon sample ports clear?	(Yes)	No
Post carbon water sampled?	(Yes)	No
Post carbon sample ports clear?	(Yes)	No
Time sampled?		a.m./p.m.
Compliance event?	(Yes)	No
Product sampled?	Yes	(No)

Recovery and Disposal		
Totalizer reading.	3/4/1/3	Gallons
	7	
Recovery from DNAPL Drum		
Pure DNAPL to disposal drum.		Gallons
DNAPL/water to disposal drum.	<i>(</i> ^	Gallons
DNAPL/water to oil/water separator.		Gallons
Recovery from Oil/Water Separator		
Pure DNAPL to disposal drum.	0	Gallons
DNAPL/water to disposal drum.		Gallons
		
Recovery from LNAPL Drum		
Pure LNAPL to disposal drum.		Gallons
LNAPL/water to disposal drum:		Gallons
LNAPL/water to oil/water separator.		Gallons
and a substitution sopulation.		Gunons
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 laucica	(105)	140

NOTES: Restanted System after
thanking lines exiting shex and
entering unuit System now
fully operational

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	No PSI PSI ED Arrow Arrow
DNAPL Drum High level shut off operational? Green warning light operational? DNAPL drum container condition. 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 NA	Poor (No) Feet

771.0710		
LNAPL/Groundwater System		
Operational upon arrival?	Yes	No
LNAPL pump pressure (arrival)	35	PSI
LNAPL pump pressure (departure)	35	PSI
Bubbler tube operating pressure.	7.0	PSI
Pneumatic settings adjusted?	Yes	(No)
Discharge control setting (departure)	R	Arrow
Refill control setting (departure)	*	Arrow
LNAPL Pump and Piping		
LNAPL piping integrity.	Good	Poor
LNAPL pump cleaned?	Yes	(Ng)
LNAPL top of pump depth.	NA	Feet
Qil/Water Separator		
High level oil shut-off operational?	(VES)	No
High level water shut-off operational?	TES	No
White warning light operational?	Y	No
Separator vessel condition.	(DOOD)	Poor
Leaks present?	Yes	(NO)
Separator cover and seal condition.	(0000)	Poor
Decant valve integrity.	(COS)	Poor
LNAPL in separator? - Separator needs cleaning?	Yes Yes	Mo
Separator needs cleaning?	Yes	(No.)
Separator cicalicu:	1 52	1
LNAPL Storage Drum		
LNAPL drum condition.	Good	Poor
LNAPL drum leaks?	Yes	No
Drum high level shut-off operational?	Yes	No

LNAPL/Groundwater System - (Contin	ued)	
Equalization Drum	1/4	
Equalization drum condition.	Com	Poor
Equalization drum leaks?	Yes	No.
Drum high level shut-off operational?	Yes	No
Brain ing prover share on operationar.	103	110
Transfer Pump and Piping		l .
Pump operational?	Yes	No
Pump condition.	Good	Poor
Flow meter operational?	Yes	No
Transfer pump flow rate.	7.85	GPM
Filter PSI arrive/depart	27/14	PSI
Carbon Treatment Units	12//17	1-22
Primary carbon unit condition.	Good	Poor
Primary carbon unit leaks?	Yes	(No)
Primary carbon unit pressure.	9.0	PSI
Primary carbon removed for disposal?	Yes	(NG)
Secondary carbon unit rotated to primary?	Yes	(Mg)
New carbon placed in primary unit?	Yes	(No)
Thew carbon placed in printing with.	163	7110
Secondary carbon unit condition.	Good	Poor
Secondary carbon unit leaks?	Yes	(No)
Secondary carbon unit pressure.	0.0	PSI
Secondary carbon removed for disposal?	Yes	(NS
Polishing unit rotated to secondary?	Yes	(No)
New carbon placed in secondary unit?	Yes	(No)
Polishing carbon unit condition.	Good	Poor
Polishing carbon unit leaks?	Yes,	(No)
Polishing carbon unit pressure.	1/4	PSI
Polishing carbon removed for disposal?	Yes	(No)
New carbon placed in secondary unit?	Yes	NO
		وي ا
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.	G000	Poor
Pipe at creek clear?	Yes	No

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

Miscellaneous - (Continued)		
Extraction Well Overall vault condition. Work needed on vault?	CGOOD 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) 2817.0 (Yes) Yes (Yes) (Yes)	No Hours No No No No

Sampling		
Pre-carbon water sampled?	Yes	(No.)
Pre-carbon sample ports clear?	Yes-	No
Mid-carbon water sampled?	Yes	(No)
Mid-carbon sample ports clear?	200	No
Post carbon water sampled?	Yes	CNO
Post carbon sample ports clear?	Yes	No
Time sampled?	NA	a.m./p.m.
Compliance event?	Yes	∠No
Product sampled?	Yes	(Ng)

Recovery and Disposal		
Totalizer reading.	319534	Gallons
Recovery from DNAPL Drum		
Pure DNAPL to disposal drum.	0.25	Gallons
DNAPL/water to disposal drum.	0.50	Gallons
DNAPL/water to oil/water separator.	20	Gallons
	-	
Recovery from Oil/Water Separator		
Pure DNAPL to disposal drum.	0	Gallons
DNAPL/water to disposal drum.	0	Gallons
	-	1
Recovery from LNAPL Drum NA	منسب.	l
Pure LNAPL to disposal drum:		Gallons
LNAPL/water to disposal drum		Gallons
LNAPL/water to oil/water separator.		Gallons
Product, Carbon, Waste Storage	.1	
DNAPL drums on-site (full and fractional)	/	Drums
Spent carbon drums	0	Drums
PPE/Solids drums	1	Drums
LNAPL drums	7	Drums
Drums labeled	(Yes)	No

NOTES: Changed H2O filters, Emptiel DNAPL Drum, removed snowlice build-y from shel roof.

DNAPL System		
Operational upon arrival?	Yes	No
DNAPL pump pressure (arrival)	76	PSI-
DNAPL pump pressure (departure)	70	PSI
Pneumatic settings adjusted?	Yes	No
Discharge control setting (departure)	N	Arrow
Refill control setting (departure)	V	Arrow
DNAPL Drum High level shut off operational? Green warning light operational? DNAPL drum container condition. Leaks present? Decant valve integrity.	(S) 35 (S)	No No Poor 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)	38	PSI
Bubbler tube operating pressure.	7.0	PSI
Pneumatic settings adjusted?	Yes	No
Discharge control setting (departure)	N. Committee	Arrow
Refill control setting (departure)		Arrow
LNAPL Pump and Piping		
LNAPL piping integrity.	-000d	Poor
LNAPL pump cleaned?	Yes	EX
LNAPL top of pump depth.	M	Feet
Oil/Water Separator		
High level oil shut-off operational?	₹ 5 0	No
High level water shut-off operational?	CES	No
White warning light operational?	C158	No
Separator vessel condition.	-C00065	Poor
Leaks present?	Yes	₩ 0
Separator cover and seal condition.	CG004P	Poor
Decant valve integrity.	Closeds.	Poor
LNAPL in separator?	Yes	₹ 6
Separator needs cleaning?	Yes	₹ %
Separator cleaned?	Yes	1
LNAPL Storage Drum		
LNAPL drum condition.	Good	Poor
LNAPL drum leaks?	Yes	No
Drum high level shut-off operational?	Yes	No
Technician DA /AV Date:	02-12-0	H

LNAPL/Groundwater System - (Contin	ued)	
Fauglization Drum NA		
Equalization Drum Equalization drum condition:	Good	Poor
Equalization drum teaks?	Yes	No
Drum high-level shut-off operational?	Yes	No
Drum ingriever situt-on operationar?	1 63	140
Transfer Pump and Piping		
Pump operational?	des >	No
Pump condition.	(BB)	Poor
Flow meter operational?	Yes	No
Transfer pump flow rate.	7.59	GPM
f. 112/ p. 4550,00	17.0	125 i
Carbon Treatment Units	1130	1221
Primary carbon unit condition.	Good	(Poor)
Primary carbon unit leaks?	CYES	No
Primary carbon unit pressure.	8.0	PSI
Primary carbon removed for disposal?	Yes	OSD
Secondary carbon unit rotated to primary?	Yes	000
New carbon placed in primary unit?	Yes	(ND)
Secondary carbon unit condition.	(G000)	Poor
Secondary carbon unit leaks?	Yes	Ø\$6>
Secondary carbon unit pressure.	$\mathcal{C} \cdot \mathcal{O}$	PSI
Secondary carbon removed for disposal?	Yes	াই
Polishing unit rotated to secondary?	Yes	(RD)
New carbon placed in secondary unit?	Yes	X
Polishing carbon unit condition.	(5000)	Poor
Polishing carbon unit leaks?	Yes	(g))
Polishing carbon unit pressure.	NA	PSI
Polishing carbon removed for disposal?	Yes	ЮĎ
New carbon placed in secondary unit?	Yes	EM
Discharge Piping		
Pipe integrity in shed.	Goods	Poor
Pipe integrity at catch basin.	G000	Poor
Pipe at catch basin clear?	CYES	No
Pipe integrity at creek.	Good	Poor
Pipe at creek clear?	Yes	No
Miscellaneous		
Building and Site		
Remediation shed condition.	Good)	Poor
Shed ventilation acceptable?	(Ves >	No
Repairs/work needed?	Yes	(Q12)
Spill evidence?	Yes	(No)
Electrical/Heating	_E_	
Electric controls operational	Ves	No
Heater operational	(Yes)	No

Site Visit Che	cklist/Data	Sheet
Miscellaneous - (Continued)		
Extraction Well Overall vault condition. Work needed on vault?	9000 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 23/9.6 (YE) Yes (YE) (YE)	No Hours No (No) No No
Sampling		
Pre-carbon water sampled? Pre-carbon sample ports clear? Mid-carbon water sampled? Mid-carbon sample ports clear? Post carbon water sampled? Post carbon sample ports clear? Time sampled? Compliance event? Product sampled?	Yes Yes Yes Yes Yes Yes Yes Yes Yes	No Po No No No a.m./p.m. PG (Pb)
Recovery and Disposal		
Totalizer reading.	823802	Gallons
Recovery from DNAPL Drum Pure DNAPL to disposal drum. DNAPL/water to disposal drum. DNAPL/water to oil/water separator. Recovery from Oil/Water Separator	0.2 0.6 4.0	Gallons Gallons Gallons

Recovery and Disposal		
Totalizer reading.	823802	Gallons
Recovery from DNAPL Drum Pure DNAPL to disposal drum. DNAPL/water to disposal drum. DNAPL/water to oil/water separator.	0.2 0.6 4.0	Gallons Gallons Gallons
Recovery from Oil/Water Separator Pure DNAPL to disposal drum. DNAPL/water to disposal drum.	© 0	Gallons Gallons
Recovery from LNAPL Drum Pure LNAPL to disposal drum. LNAPL/water to disposal drum LNAPL/water to oil/water separator.		Gallons Gallons Gallons
Product, Carbon, Waste Storage DNAPL drums on-site (full and fractional) Spent carbon drums PPE/Solids drums LNAPL drums Drums labeled		Drums Drums Drums Drums No
NOTES:		

DNAPL System		
Operational upon arrival?	(Yes>	No
DNAPL pump pressure (arrival)	20.0	PSI
DNAPL pump pressure (departure)	20.0	PSI
Pneumatic settings adjusted?	Yes	(No)
Discharge control setting (departure)	*	Arrow
Refill control setting (departure)	1	Arrow
DNAPL Drum High level shut off operational? Green warning light operational? DNAPL drum container condition. Leaks present? Decant valve integrity.	608 508 508 508 508 508 508 508 508 508 5	No No Poor (No? Poor
DNAPL Pump and Piping DNAPL piping integrity. DNAPL pump cleaned? DNAPL top of pump depth.	CGrod Yes	Poor (No) Feet

LNAPL/Groundwater System		
Operational upon arrival?	(শুরু)	No
LNAPL pump pressure (arrival)	20,0	PSI
LNAPL pump pressure (departure)	20,0	PSI
Bubbler tube operating pressure.	7.0	PSI
Pneumatic settings adjusted?	Yes	No
Discharge control setting (departure)	K	Arrow
Refill control setting (departure)	¥.	Arrow
LNAPL Pump and Piping		
LNAPL piping integrity.	SCIDED	Poor
LNAPL pump cleaned?	Yes	470>
LNAPL top of pump depth.	NA	Feet
Oil/Water Separator High level oil shut-off operational? High level water shut-off operational? White warning light operational? Separator vessel condition. Leaks present? Separator cover and seal condition. Decant valve integrity. LNAPL in separator? Separator needs cleaning? Separator cleaned?	द्र हो है। ही दे ही है। इस हो हो हो हो है।	No No Poor Poor Poor No No No Poor Poor
LNAPL Storage Drum LNAPL drum condition. LNAPL drum leaks? Drum high level shut-off operational? Technician: Dale:	Good Yes Yes	Poor No No

I NADY (Committee of the Committee of th		
LNAPL/Groundwater System - (Contin	uea)	
Equalization Drum	1/A	· summunity
Equalization drum condition.	Good	Poor
Equalization drum leaks?	Yes	No
Drum high level shut-off operational?	Yes	No
Transfer Pump and Piping		
Pump operational?	CYES?	No
Pump condition.	<.psg>	Poor
Flow meter operational?	Yes?	No
Transfer pump flow rate.	3.61	GPM
Filter Pressure	9.0	P51
Carbon Treatment Units		·
Primary carbon unit condition.	(G66d)	Poor
Primary carbon unit leaks?	Yes	(No)
Primary carbon unit pressure.	3.0	PSI
		No.
Primary carbon removed for disposal?	(VES)	
Secondary carbon unit rotated to primary?	(Yes)	No .
New carbon placed in primary unit?	Yes	(ND)
Secondary carbon unit condition.	(Good)	Poor
Secondary carbon unit leaks?	Yes	(No)
Secondary carbon unit pressure.	NATON	PSI
Secondary carbon removed for disposal?	Yes	(862
Polishing unit rotated to secondary?	Yes>	No
New carbon placed in secondary unit?	Yes	(Ng)
		العزب
Polishing carbon unit condition.	(000d)	Poor
Polishing carbon unit leaks?	Yes	No
Polishing carbon unit pressure.	WI	PSI
Polishing carbon removed for disposal?	Yes	(No)
New carbon placed in secondary unit?	CYES?	No
pollshing		
Discharge Piping		
Pipe integrity in shed.	Good	Poor
Pipe integrity at catch basin.	CG600₽	Poor
Pipe at catch basin clear?	(Yes)	No
Pipe integrity at creek.	⟨G‱2>	Poor
Pipe at creek clear?	(Yes)	No
Miscellaneous		
	-	
Building and Site		
Remediation shed condition.	√G00d7	Poor
Shed ventilation acceptable?	(Yes)	No
Repairs/work needed?	Yes	(No)
Spill evidence?	Yes	No
Electrical/Heating		
Electric controls operational	ares	No
Heater operational	(Yes/	No

Miscellaneous - (Continued)		
Extraction Well Overall vault condition. Work needed on vault?	4G864D Yes	Poor
Air Compressor Compressor operational? Compressor hours. Oil level checked? Oil level changed? Compressor trap operating? Regulator operating? Air lines performing properly?	(18) (18) (18) (18) (18) (18)	No Hours No No No No

Sampling		
Pre-carbon water sampled?	Yes	(Ng)
Pre-carbon sample ports clear?	(Yes)	No
Mid-carbon water sampled?	Yes	CNO
Mid-carbon sample ports clear?	(TE)	No
Post carbon water sampled?	Yes	000
Post carbon sample ports clear?	CYES?	No
Time sampled?	MA	a.m./p.m.
Compliance event?	Yes	CIN ₂
Product sampled?	Yes	(gD)

Recovery and Disposal		
Totalizer reading. 327269	2373.6	Gallons
·		
Recovery from DNAPL Drum		
Pure DNAPL to disposal drum.	\mathcal{O}_{i})	Gallons
DNAPL/water to disposal drum.	0.4	Gallons
DNAPL/water to oil/water separator.	4.0	Gallons
· ·		
Recovery from Oil/Water Separator		
Pure DNAPL to disposal drum.	U	Gallons
DNAPL/water to disposal drum.	46	Gallons
Recovery from LNAPL Drum		,
Pure LNAPL to disposal drum.		Gallons
LNAPL/water to disposal drum	NA	Gallons
LNAPL/water to oil/water separator.	M	Gallons
	-	
Product. Carbon. Waste Storage		
DNAPL drums on-site (full and fractional)	1	Drums
Spent carbon drums	1	Drums
PPE/Solids drums	<u> </u>	Drums
LNAPL drums	0.	Drums
Drums labeled	(Yes)	No

NOTES: Removed thimary Carbon for disposal and Rotated New Carbon 4 into polishing unit.

DNAPL System		
Operational upon arrival?	(Yes)	No
DNAPL pump pressure (arrival)	70	PSI
DNAPL pump pressure (departure)	スロ	PSI
Pneumatic settings adjusted?	Yes	419
Discharge control setting (departure)	7	Arrow
Refill control setting (departure)	N/	Arrow
DNAPL Drum High level shut off operational?	(Kg)	No
Green warning light operational?	(Vie)	No
DNAPL drum container condition.	C00002	Poor
Leaks present?	Yes	(10)
Decant valve integrity.	CG00017	Poor
DNAPL Pump and Piping		
DNAPL piping integrity.	(Good)	Poor
DNAPL pump cleaned?	Yes	(1/2)
DNAPL top of pump depth.	104	Feet

LNAPL/Groundwater System		
Operational upon arrival?	(Yes)	No
LNAPL pump pressure (arrival)	35	PSI
LNAPL pump pressure (departure)	34	PSI
Bubbler tube operating pressure.	7.0	PSI
Pneumatic settings adjusted?	Yes	(P)
Discharge control setting (departure)	1,	Arrow
Refill control setting (departure)	V.	Arrow
LNAPL Pump and Piping		
LNAPL piping integrity.	<000d)	Poor
LNAPL pump cleaned?	Yes	(No
LNAPL top of pump depth.	12/4	Feet
Oil/Water Separator		
High level oil shut-off operational?	ধ হ্য	No
High level water shut-off operational?	STO	No
White warning light operational?	CYES	No
Separator vessel condition.	Good	(Pood)
Leaks present?	Yes	000
Separator cover and seal condition.	CO009	Poor
Decant valve integrity.	450002>	Poor
LNAPL in separator?	Yes	C120
Separator needs cleaning?	(Kg)	No
Separator cleaned?	Yes	(No)
LNAPL Storage Drum		
LNAPL drum condition.	Good	Poor
LNAPL drum leaks?	Yes	No
Drum high level shut-off operational?	Yes	No
Technician: NA Date:	2-270	

LNAPL/Groundwater System - (Continued)		
Equalization Drum	THE COURSE OF THE PARTY OF THE	
Equalization drum condition.	Good	Poor
Equalization drum leaks?	Yes	No
Drum high level shut-off operational?	Yes	No
Druin mgn level shut-oir operational	163	110
Transfer Pump and Piping	,	
Pump operational?	CYED	No
Pump condition.	₹	Poor
Flow meter operational?	CYET	No
Transfer pump flow rate.	8 35	GPM
Filter PSI	15.5	PST
Carbon Treatment Units	'-'	, 52
Primary carbon unit condition.	(Goods	Poor
Primary carbon unit leaks?	Yes	CNO
	22.0	
Primary carbon unit pressure.		PSI
Primary carbon removed for disposal?	Yes	6
Secondary carbon unit rotated to primary?	Yes	CNO
New carbon placed in primary unit?	Y∝s	(No)
Secondary carbon unit condition.	(Good)	Door
Secondary carbon unit leaks?		Poor (Ne)
1)	Yes	
Secondary carbon unit pressure.	0.0	PSI
Secondary carbon removed for disposal?	Yes	(NS)
Polishing unit rotated to secondary?	Yes	(<u>v</u> ey)
New carbon placed in secondary unit?	Yes	(QV)
Polishing carbon unit condition.	(000)	Poor
Polishing carbon unit leaks?	Yes	(617)
1	IVA	
Polishing carbon unit pressure.		PSI
Polishing carbon removed for disposal? New carbon placed in secondary unit?	Yes Yes	60) 60)
New caroon places in secondary unit:	1 '``	(Time
Discharge Piping	40.500	1
Pipe integrity in shed.	(G000)	Poor
Pipe integrity at catch basin.	(0000	Poor
Pipe at catch basin clear?	(Yes)	No
Pipe integrity at creek.	(Good)	Poor
Pipe at creek clear?	You	No
Missellonsous		
Miscellaneous		T
Building and Site	1	1
Remediation shed condition.	(Good)	Poor
Shed ventilation acceptable?	CYES	No.
Repairs/work needed?	Yes	(NO
Spill evidence?	Yes	₹ 1
Spin evidence:	1 CS	(1)9
Electrical/Heating	l	1
Electric controls operational	(Yes)	No
Heater operational	(Yes)	No

Miscellaneous - (Continued)		
Extraction Well Overall vault condition. Work needed on vault?	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?	(Ya) 25217 253 Ya Ya Ya Ya Ya Ya Ya	No Hours No (No No No No

Sampling		
Pre-carbon water sampled?	(48)	No
Pre-carbon sample ports clear?	(YE)	No
Mid-carbon water sampled?	Yes	ďЮ
Mid-carbon sample ports clear?	₹a⊃	No
Post carbon water sampled?	(KE)	No
Post carbon sample ports clear?	(YES)	No
Time sampled?	123C	⟨æ.π͡j.)p.m.
Compliance event?	CYA	No
Product sampled?	Yes	NO

Recovery and Disposal		
Totalizer reading.	834409	Gallons
Recovery from DNAPL Drum Pure DNAPL to disposal drum. DNAPL/water to disposal drum. DNAPL/water to oil/water separator.	0.2 0.6 10	Gallons Gallons Gallons
Recovery from Oil/Water Separator Pure DNAPL to disposal drum. DNAPL/water to disposal drum.	<u>C</u>	Gallons Gallons
Recovery from LNAPL Drum Pure LNAPL to disposal drum. LNAPL/water to disposal drum. LNAPL/water to oil/water separator.	1	Gallons 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

NOTES: None

DNAPL System		
Operational upon arrival?	(FE)	No
DNAPL pump pressure (arrival)	19	PSI
DNAPL pump pressure (departure)	19	PSI [*]
Pneumatic settings adjusted?	Yes	(No)
Discharge control setting (departure)	X	Arrow
Refill control setting (departure)	¥	Arrow
DNAPL Drum	_	
High level shut off operational?	(Yes)	No
Green warning light operational?	(Ta)	No
DNAPL drum container condition.	(000)	Poor
Leaks present?	Yes	(Mo
Decant valve integrity.	(660)	Poor
DNAPL Pump and Piping		
DNAPL piping integrity.	(Good	Poor
DNAPL pump cleaned?	Yes	(No)
DNAPL top of pump depth.	WA	Feet

LNAPL/Groundwater System		***************************************
Operational upon arrival?	(GA)	No
LNAPL pump pressure (arrival)	7.5	PSI
	12-	
LNAPL pump pressure (departure)	27.5	PSI
Bubbler tube operating pressure.	7.0	PSI
Pneumatic settings adjusted?	Yes	₹
Discharge control setting (departure)	×	Arrow
Refill control setting (departure)	<u>+</u>	Arrow
LNAPL Pump and Pipine		
LNAPL piping integrity.	(0000)	Poor
LNAPL pump cleaned?	Yes	(N)
LNAPL top of pump depth.	NA	Foet
Oil/Water Separator	5	
High level oil shut-off operational?	(Yes)	No
High level water shut-off operational?	(VE)	No
White warning light operational?	(Yes)	No
Separator vessel condition.	Good	Poor
Leaks present?	Yes	OSO
Separator cover and seal condition.	(C000)	Poor
Decant valve integrity.	Cioda)	Poor
LNAPL in separator?	Yes	(N)
Separator needs cleaning?	(क्	No
Separator cleaned?	Yස	(No)
LNAPL Storage Drum		
LNAPL drum condition.	Good	Poor
LNAPL drum leaks?	Yes	No
Drum high level shut-off operational?	Yes	No
Technician: DH Date:	03/05/6)4

LNAPL/Groundwater System - (Contin	ued)	
Equalization Drum	, a	
Equalization drum condition.	Good	Poor
Equalization drum leaks?	Yes	No
Drum high level shut-off operational?	Yes	No
7		
Transfer Pump and Piping Pump operational?	(TE)	N.
		No
Pump condition.		Poor
Flow meter operational?		No
Transfer pump flow rate.	912	GPM
filter psi	11.C	PSI
Carbon Treatment Units	-	
Primary carbon unit condition.	Good	Poor
Primary carbon unit leaks?	Yes	(No)
Primary carbon unit pressure,	4.0	PSI
Primary carbon removed for disposal?	Yœ	(No)
Secondary carbon unit rotated to primary?	Yes	CX(e)
New carbon placed in primary unit?	Yœ	(No)
		_
Secondary carbon unit condition.	Good	Poor
Secondary carbon unit leaks?	Yes	(No
Secondary carbon unit pressure.	0.0	PSI
Secondary carbon removed for disposal?	Yස	(N)
Polishing unit rotated to secondary?	Yes	Sto.
New carbon placed in secondary unit?	Yes	(NO)
Dallahia a a kan a kan a ka	(in the second	_
Polishing carbon unit condition.	Good	Poor
Polishing carbon unit leaks?	Yes	(N)
Polishing carbon unit pressure.	NA	PSI
Polishing carbon removed for disposal?	Yes	(M)
New carbon placed in secondary unit?	Yes	(No)
Discharge Piping	l	1
Pipe integrity in shed.	(G662	Poor
Pipe integrity at catch basin.	(000b	Poor
Pipe at catch basin clear?	Yes	No
Pipe integrity at creek.	6	Poor
Pipe at creek clear?	CYBO	No
	1 130	110
Miscellaneous		
Building and Site		
Remediation shed condition.	Good	Poor
Shed ventilation acceptable?	(You	No
Repairs/work needed?	Yes	(No->
Spill evidence?	Yes	MO)
]	
Electrical/Heating	ı	l
Electric controls operational Heater operational	Te	No No

Miscellaneous - (Continued)		
Extraction Wall Overall vault condition. Work needed on vault?	Good Yes	Poor (Vo
Air Compressor Compressor operational? Compressor hours. Oil level checked? Oil level changed? Compressor trap operating? Regulator operating? Air lines performing properly?	(a) (B) (4) (4) (4) (4) (4)	No Hours No No No No
Air lines performing properly?	(%)	No

Sampling		
Pre-carbon water sampled?	Yes	CN6
Pre-carbon sample ports clear?	(Tex)	No
Mid-carbon water sampled?	Yos	6
Mid-carbon sample ports clear?	(G)	No
Post carbon water sampled?	Yes	(NO)
Post carbon sample ports clear?	(No
Time sampled?	11/1	a.m./p.m.
Compliance event?	Yes	(RG)
Product sampled?	Yes	(Na)

Recovery and Disposal	`,	
Totalizer reading.	844250	Gallons
Recovery from DNAPL Drum		•
Pure DNAPL to disposal drum.	0	Gallons
DNAPL/water to disposal drum.	Ø	Gallons
DNAPL/water to oil/water separator.	67	Gallons
Recovery from Oil/Water Separator		
Pure DNAPL to disposal drum.	Ø	Gallons
DNAPL/water to disposal drum.	Ø	Gallons
,		
Recovery from LNAPL Drum	1 , 1	2
Pure LNAPL to disposal drum.	11/4	Gallons
LNAPL/water to disposal drum	70	Gallons
LNAPL/water to oil/water separator.		Gallons
Product, Carbon, Waste Storage		
DNAPL drums on-site (full and fractional)		Drums
Spent carbon drums		Drums
PPE/Solids drums		Drums
LNAPL drums	0	Drums
Drums labeled	(Yas)	No

NOTES: Changed HaD Filters, Emptical DNAPL Drum.

DNAPL System		
Operational upon arrival?	(Ýei>	No
DNAPL pump pressure (arrival)	20	PSI
DNAPL pump pressure (departure)	20	PSI
Pneumatic settings adjusted?	Yes	(No)
Discharge control setting (departure)	7	Arrow
Refill control setting (departure)	4	Arrow
DNAPL Drum		
High level shut off operational?	(Yes)	No
Green warning light operational?	Yes	No
DNAPL drum container condition.	(0000)	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.	NA	Feet

LNAPL/Groundwater System		
Operational upon arrival?	(Ya)	No
LNAPL pump pressure (arrival)	35	PSI
LNAPL pump pressure (departure)	35	PSI
Bubbler tube operating pressure.	7.0	PSI
Pneumatic settings adjusted?	Yes	ÆGo
Discharge control setting (departure)	1/2	Arrow
Refill control setting (departure)	w.	Алтом
,		
LNAPL Pump and Piping		
LNAPL piping integrity.	G664>	Poor
LNAPL pump cleaned?	Yes,	(Ŋa
LNAPL top of pump depth.	NA	Feet
OiVWater Separator		
High level oil shut-off operational?	(E)	No
High level water shut-off operational?	((G)	No
White warning light operational?	(YES)	No
Separator vessel condition.	Good	1
Leaks present?	Yes	(N)
Separator cover and seal condition.	6 660	Poor
Decant valve integrity.	(000D)	Poor
LNAPL in separator?	Yes	(K)
Separator needs cleaning?	(G)	No
Separator cleaned?	Yes	®
LNAPL Storage Drum		
LNAPL drum condition.	Good	Poor
LNAPL drum leaks?	Yes	No
Drum high level shut-off operational?	Yes	No
Technician: Dil Date:	3/11/04	1,10

I NADI (Connederate Senter (Contra		
LNAPL/Groundwater System - (Contin	ued)	
Equalization Drum		
Equalization drum condition	Good	Poor
Equalization drum leaks?	Yes	No
Drum high-level shut-off operational?	Yes	No
	.~	'''
Transfer Pump and Pipine	•	
Pump operational?	(Ya)	No
Pump condition.	Cood>	Poor
Flow meter operational?	(Ye)	No
Transfer pump flow rate.	8.10	GPM
Filter psi	11.0	PSI
Carbon Treatment Units		
Primary carbon unit condition.	(Good)	Poor
Primary carbon unit leaks?	Yes	(NO)
Primary carbon unit pressure.	5.0	PSI
Primary carbon removed for disposal?	Yes	(Ng)
Secondary carbon unit rotated to primary?	Yes	ANS
New carbon placed in primary unit?	Yos	(No)
•		
Secondary carbon unit condition.	©	Poor
Secondary carbon unit leaks?	Yes	(No)
Secondary carbon unit pressure.	0.0	PSI
Secondary carbon removed for disposal?	Yes	Q(6)
Polishing unit rotated to secondary?	Yes	(No
New carbon placed in secondary unit?	Yes	(160
Polishing carbon unit condition.	(666)	Poor
Polishing carbon unit leaks?	Yes	(Na
Polishing carbon unit pressure.	NA	PSI
Polishing carbon removed for disposal?	Yes	490
New carbon placed in secondary unit?	Yes	(19)
Direct constraints		_
Discharge Piping	600	l _
Pipe integrity in shed.		Poor
Pipe integrity at catch basin.	Good	Poor
Pipe at catch basin clear?	(Yes)	No
Pipe integrity at creek.	(0000P)	Poor
Pipe at creek clear?	(You	No
Miscellaneous		
Building and Site		
Remediation shed condition.	(Text)	Poor
Shed ventilation acceptable?	Yes	No
Repairs/work needed?	Yes	(180)
Spill evidence?	Yes	N ₀
Electrical/Heating		
Electric controls operational	(Yes)	No
Heater operational	(Yas)	No
	100	140

Miscellaneous - (Continued)		
Extraction Wall Overall vault condition. Work needed on vault?	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?	Y8 23. Y8 29 Y8 29	No Hours No No No No

Sampling		
Pre-carbon water sampled?	Ya	(No)
Pre-carbon sample ports clear?	(Yes)	No
Mid-carbon water sampled?	Yos	(No)
Mid-carbon sample ports clear?	(वि)	No
Post carbon water sampled?	Yes	(No
Post carbon sample ports clear?	(%)	No
Time sampled?	NA	a.m./p.m.
Compliance event?	Yes	(NG)
Product sampled?	Yes	(No

Recovery and Disposal		
Totalizer reading.	858473	Gallons
Recovery from DNAPL Drum		f
Pure DNAPL to disposal drum.	0,25	Gallons
DNAPL/water to disposal drum.	0.75	Gallons
DNAPL/water to oil/water separator.	52	Gallons
•		1
Recovery from Oil/Water Separator	j	
Pure DNAPL to disposal drum.	0	Gallons
DNAPL/water to disposal drum.	es	Gallons
	-~-	Carons
Recovery from LNAPL Drum	1	
Pure LNAPL to disposal drum.		Gallons
LNAPL/water to disposal drum		Gallons
LNAPL/water to oil/water separator.		Gallons
		Canons
Product, Carbon, Waste Storage		
DNAPL drums on-site (full and fractional)	/	Drums
Spent carbon drums		Drums
PPE/Solids drums	 	Drums
LNAPL drums	6	Drums
Drums labeled	(Va)	No
		140

NOTES: Changed Hy O filters.

DNAPL System		
Operational upon arrival?	(Yes)	No
DNAPL pump pressure (arrival)	20	PSI
DNAPL pump pressure (departure)	20	PSI
Pneumatic settings adjusted?	Yes	€
Discharge control setting (departure)	*	Arrow
Refill control setting (departure)	1	Arrow
DNAPL Drum High level shut off operational? Green warning light operational? DNAPL drum container condition. Leaks present? Decant valve integrity.	වූ සම්බණ	No No Poor No Poor
DNAPL Pump and Piping DNAPL piping integrity. DNAPL pump cleaned? DNAPL top of pump depth.	G660D Yes	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.	7.0	PSI
Pneumatic settings adjusted?	Yes	(TD)
Discharge control setting (departure)	K	Arrow
Refill control setting (departure)	1	Arrow
LNAPL Pump and Piping		
LNAPL piping integrity.	Good	Poor
LNAPL pump cleaned?	Yes	(A)
LNAPL top of pump depth.	NA	Feet
Oil/Water Separator		
High level oil shut-off operational?	(6)	No
High level water shut-off operational?	E	No
White warning light operational?	(YES)	No
Separator vessel condition.	Good	Poor
Leaks present?	Yes	N
Separator cover and seal condition.	<0.000€	Poor
Decant valve integrity.	@ <u>@</u>	Poor
LNAPL in separator?	Yes	®
Separator needs cleaning?	TES)	No
Separator cleaned?	Yes	(NO)
LNAPL Storage Drum	<u>,</u>	
LNAPL drum condition.	Good	Poor
LNAPL drum leaks?	Yes	No
Drum high level shut-off operational?	Yes	No
Technician: DM Date:	3-19-05	/

LNAPL/Groundwater System - (Continued)			
1/A			
Equalization Drum			
Equalization drum condition.	Good	Poor	
Equalization drum loaks?	Yes	No	
Drum high level shut-off operational?	Yes	No	
Transfer Pump and Piping			
Pump operational?	(Yes)	No	
Pump condition.	1	Poor	
Flow meter operational?	(YE)	No	
	7.09	GPM	
Transfer pump flow rate.	16	PSI	
Carbon Treatment Units			
Primary carbon unit condition.	Good	Poor	
Primary carbon unit leaks?	Yes	(NO)	
Primary carbon unit pressure.	4.0	PSI	
Primary carbon removed for disposal?	Yes	(ND)	
Secondary carbon unit rotated to primary?	Yes	Q	
New carbon placed in primary unit?	Yes	(B)	
Secondary carbon unit condition.	Good	Poor	
Secondary carbon unit leaks?	Yes	(Mg)	
Secondary carbon unit pressure.	0.0	PSI	
Secondary carbon removed for disposal?	Yes	(<u>)</u>	
Polishing unit rotated to secondary?	Yes	(Mg)	
New carbon placed in secondary unit?	Yes	1	
Polishing carbon unit condition.	Good	Poor	
Polishing carbon unit leaks?	Yes	(B)	
Polishing carbon unit pressure.	NA	PSI	
Polishing carbon removed for disposal?	Yes	(M 0)	
New carbon placed in secondary unit?	Yes	75	
Discharge Bining			
Discharge Piping Pipe integrity in shed.	(Georg)	Poor	
Pipe integrity at catch basin.		Poor	
Pipe at catch basin clear?	O (6)	No	
Pipe integrity at creek.		Poor	
Pipe at creek clear?	(Ya)	No	
Miscellaneous			
Building and Site			
Remediation shed condition.	Good	Poor	
Shed ventilation acceptable?	Yes	No	
Repairs/work needed?	Yes	(00)	
Spill evidence?	Yes	(N)	
Electrical/Heating			
	(AS)	No	
Electric controls operational		No	
Heater operational	(Yes/	No	

Miscellaneous - (Continued)		
Extraction Well Overall vault condition. Work needed on vault?	Good Yes	Poor
Air Compressor Compressor operational? Compressor hours. Oil level checked? Oil level changed? Compressor trap operating? Regulator operating? Air lines performing properly?	\(\alpha\)	No Hours No Mo No No No No

Sampling		
Pre-carbon water sampled?	Yes	4Vo
Pre-carbon sample ports clear?	CY ea	No
Mid-carbon water sampled?	Yes	GBD
Mid-carbon sample ports clear?	(Yes)	No
Post carbon water sampled?	Yes	450
Post carbon sample ports clear?	(Yes)	No
Time sampled?	NA	a.m./p.m.
Compliance event?	Yes	(Nã
Product sampled?	Yes	(N)

Recovery and Disposal		
Totalizer reading.	867831	Gallons
Recovery from DNAPL Drum Pure DNAPL to disposal drum. DNAPL/water to disposal drum. DNAPL/water to oil/water separator.	0.1 0.7 54	Gallons Gallons Gallons
Recovery from Oil/Water Separator Pure DNAPL to disposal drum. DNAPL/water to disposal drum.	0.0	Gallons Gallons
Recovery from LNAPL Drum Pure LNAPL to disposal drum. LNAPL/water to disposal drum. LNAPL/water to oil/water separator.		Gallons 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

NOTES: Adjusted flow rates on transfer transfer pump.

DNAPL System		
Operational upon arrival?	Yes	No
DNAPL pump pressure (arrival)	20	PSI
DNAPL pump pressure (departure)	20	PSI
Pneumatic settings adjusted?	Yes	Qo-
Discharge control setting (departure)	*	Arrow
Refill control setting (departure)		Arrow
DNAPL Drum High level shut off operational? Green warning light operational? DNAPL drum container condition. Leaks present? Decant valve integrity.	(S) × (S) (S) × (S) (S) × (S) (S) ×	No No Poor (No) Poor
DNAPL Pump and Piping DNAPL piping integrity. DNAPL pump cleaned? DNAPL top of pump depth.	Good Yes VA	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.	7	PSI
Pneumatic settings adjusted?	Yes	No
Discharge control setting (departure)	*	Arrow
Refill control setting (departure)	4	Arrow
LNAPL Pump and Piping		
LNAPL piping integrity.	(G00d)	Poor
LNAPL pump cleaned?	Yes	W
LNAPL top of pump depth.	NA	Feet
Oil/Water Separator	1	
High level oil shut-off operational?	(ES)	No
High level water shut-off operational?	(Yes)	No
White warning light operational?	(49)	No
Separator vessel condition.	Good	POOP
Leaks present?	Yes	(QV)
Separator cover and seal condition.	(Coo)	Poor
Decant valve integrity.	(GGG)	Poor
LNAPL in separator?	Yes	(ND)
Separator needs cleaning?	(€ 5>	No
Separator cleaned?	Yes	(No)
		_
LNAPL Storage Drum		
LNAPL drum condition.	Good	Poor
LNAPL drum leaks?	Yes	No
Drum high level shut-off operational?	Yes	No

LNAPL/Groundwater System - (Continued)		
Equalization Drum Equalization drum condition. Equalization drum leaks? Drum high level shut-off operational?	Good Yes Yes	Poor No No
Transfer Pump and Piping Pump operational? Pump condition. Flow meter operational? Transfer pump flow rate. Filter PSI	(6) (7) (7) 7.47	No Poor No GPM
Carbon Treatment Units Primary carbon unit condition. Primary carbon unit leaks? Primary carbon unit pressure. Primary carbon removed for disposal? Secondary carbon unit rotated to primary? New carbon placed in primary unit?	Yes Yes Yes Yes	PS (S) (
Secondary carbon unit condition. Secondary carbon unit leaks? Secondary carbon unit pressure. Secondary carbon removed for disposal? Polishing unit rotated to secondary? New carbon placed in secondary unit?	Yes Yes Yes Yes Yes	PS (2) PS
Polishing carbon unit condition. Polishing carbon unit leaks? Polishing carbon unit pressure. Polishing carbon removed for disposal? New carbon placed in secondary unit?	Yes Yes Yes Yes	Poor PSI PSI
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) (Good) (Yes)	Poor Poor No Poor No

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

Miscellaneous - (Continued)		
Extraction Well Overall vault condition. Work needed on vault?	Secondary Yes	Poor
Air Compressor Compressor operational? Compressor hours. Oil level checked? Oil level changed? Compressor trap operating? Regulator operating? Air lines performing properly?	\family \fami	No Hours No No No No

Sampling		
Pre-carbon water sampled?	(FE)	No
Pre-carbon sample ports clear?	(%)	No
Mid-carbon water sampled?	Yes	(MQ)
Mid-carbon sample ports clear?	(ED	No
Post carbon water sampled?	4	No
Post carbon sample ports clear?	(CE)	No
Time sampled?	1200	a.m./p.m.
Compliance event?	(TES)	No
Product sampled?	Yes	6

Recovery and Disposal		
Totalizer reading.	878238	Gallons
	_	
Recovery from DNAPL Drum		
Pure DNAPL to disposal drum.	0.5	Gallons
DNAPL/water to disposal drum.	2.0	Gallons
DNAPL/water to oil/water separator.	49	Gallons
Recovery from Oil/Water Separator		
Pure DNAPL to disposal drum.	0.4	Gallons
DNAPL/water to disposal drum.	1.25	Gallons
Recovery from LNAPL Drum		
Pure LNAPL to disposal drum.		Gallons
LNAPL/water to disposal drum		Gallons
LNAPL/water to oil/water separator.		Gallons
Product, Carbon, Waste Storage		
DNAPL drums on-site (full and fractional)		Drums
Spent carbon drums	1	Drums
PPE/Solids drums		Drums
LNAPL drums	0	Drums
Drums labeled	Yes	No

NOTES: Changed Ho Filters.

DNAPL System		
Operational upon arrival?	(Yes)	No
DNAPL pump pressure (arrival)	19	PSI
DNAPL pump pressure (departure)	19	PSI
Pneumatic settings adjusted?	Yes	(No)
Discharge control setting (departure)	N	Arrow
Refill control setting (departure)	4	Arrow
DNAPL Drum		
High level shut off operational?	CYES	No
Green warning light operational?	(YES)	No
DNAPL drum container condition.	8050	Poor
Leaks present?	Yes	609
Decant valve integrity.	(000)	Poor
ľ.,,		1-
DNAPL Pump and Piping		
DNAPL piping integrity.	⟨Good'>	Poor
DNAPL pump cleaned?	Yes	(Nø
DNAPL top of pump depth.	1814	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.	7.0	PSI
Pneumatic settings adjusted?	Yes	(No
Discharge control setting (departure)	A	Arrow
Refill control setting (departure)	14	Arrow
LNAPL Pump and Piping	1	· ·
LNAPL piping integrity.	∠Good>	Poor
LNAPL pump cleaned?	Yes	(ND)
LNAPL top of pump depth.	NA	Feet
Oil/Water Separator		
High level oil shut-off operational?	aces .	No
High level water shut-off operational?	€ES	No .
White warning light operational?	(CE)	No
Separator vessel condition.	40000€	Coor
Leaks present?	Yes	4 0
Separator cover and seal condition.	GGGG⊅	Poor
Decant valve integrity.	(COO)	Poor
LNAPL in separator?	Yes	Ø
Separator needs cleaning?	(TE)	No.
Separator cleaned?	Yes	®
1,40,5		
LNAPL Storage Drum	6	
LNAPL drum condition.	Good	Poor No
LNAPL drum leaks? Drum high level shut-off operational?	Yes	No No
	Yes	INO
Technician: DH Date:	04/02/1	74

LNAPL/Groundwater System - (Continued)		
Equalization Drum		
Equalization drum condition.	Good	Poor
Equalization drum leaks?	Yes	No
Drum high level shut-off operational?	Yes	No
		l
Transfer Pump and Piping		
Pump operational?	(YES)	No
Pump condition.	(Good	Poor
Flow meter operational?	(Yes)	No
Transfer pump flow rate.	6.23	GPM
filter PSI	18	051
Carbon Treatment Units		-
Primary carbon unit condition.	Good	Poor
Primary carbon unit leaks?	Yes	(170
Primary carbon unit pressure.	4.5	PSI
Primary carbon removed for disposal?	Yes	920
Secondary carbon unit rotated to primary?	Yes	6 9
New carbon placed in primary unit?	Yes	(G)
Secondary carbon unit condition.	(Good	Poor
Secondary carbon unit leaks?	Yes	000
Secondary carbon unit pressure.	0.0	PSI
Secondary carbon removed for disposal?	Yes	(Mg
Polishing unit rotated to secondary?	Yes	(O)
New carbon placed in secondary unit?	Yes	(170)
Polishing carbon unit condition.	(1990)	Poor
Polishing carbon unit leaks?	Yes	(N)
Polishing carbon unit pressure.	NA	PSI
Polishing carbon removed for disposal?	Yes	(N)
New carbon placed in secondary unit?	Yes	M
·		
Discharge Piping		
Pipe integrity in shed.	€ Coop	Poor
Pipe integrity at catch basin.	G030	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 condition. Shed ventilation acceptable? Repairs/work needed? Spill evidence?	Yes Yes Yes	Poor No
Electrical/Heating Electric controls operational Heater operational	(Tes	No No

Miscellaneous - (Continued)		
Extraction Well Overall vault condition. Work needed on vault?	Good Yes	Poor
Air Compressor Compressor operational? Compressor hours. Oil level checked? Oil level changed? Compressor trap operating? Regulator operating? Air lines performing proportly?	Yes 2842.4 Yes Yes	No Hours No (A) No No No

Sampling		
Pre-carbon water sampled?	Yes	43
Pre-carbon sample ports clear?	6 9	No
Mid-carbon water sampled?	Yes	₩
Mid-carbon sample ports clear?	V ED	No
Post carbon water sampled?	Yes	0\$
Post carbon sample ports clear?	des	No
Time sampled?	M	a.m./p.m.
Compliance event?	Yes	100
Product sampled?	Yes	Mg/

Recovery and Disposal		
Totalizer reading.	391293	Gallons
Recovery from DNAPL Drum Pure DNAPL to disposal drum. DNAPL/water to disposal drum. DNAPL/water to oil/water separator.	0.25 2.0 42	Gallons Gallons Gallons
Recovery from Oil/Water Separator Pure DNAPL to disposal drum. DNAPL/water to disposal drum.	0,0	Gallons Gallons
Recovery from LNAPL Drum Pure LNAPL to disposal drum. LNAPL/water to disposal drum. LNAPL/water to oil/water separator.		Gallons Gallons Gallons
Product. Carbon, Waste Storage DNAPL drums on-site (full and fractional) Spent carbon drums PPE/Solids drums LNAPL drums Drums labeled		Drums Drums Drums Drums Drums No

NOTES: 0:1/Water Seperator needs cleaning.
Need to order more filters and
deliver a new 55941 drum to sike.

DNAPL System		
Operational upon arrival?	Yes	(No)
DNAPL pump pressure (arrival)	رح	PSI
DNAPL pump pressure (departure)	スク	PSI
Pneumatic settings adjusted?	Yes	ØD)
Discharge control setting (departure)	4	Arrow
Refill control setting (departure)	j.	Arrow
DNAPL Drum High level shut off operational? Green warning light operational? DNAPL drum container condition. Leaks present? Decant valve integrity.	(Sod)	No No Poor (No) Poor
DNAPL Pump and Piping DNAPL piping integrity. DNAPL pump cleaned?	(Good⊃ Yes	Poor
DNAPL top of pump depth.	Nh	Feet

	LNAPL/Groundwater System		
ı	Operational upon arrival?	(Yes)	No
1	LNAPL pump pressure (arrival)	35	PSI
1	LNAPL pump pressure (departure)	35	PSI
ı	Bubbler tube operating pressure.	7	PSI
1	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?	Yeş	(No)
-	LNAPL top of pump depth.	75/4	Feet
	Oil/Water Separator		
1	High level oil shut-off operational?	(Yes)	No
1	High level water shut-off operational?	(Yes)	No
	White warning light operational?	(Yes)	No
	Separator vessel condition.	Good	(Poor)
	Leaks present?	Yes	₹Mô
ı	Separator cover and seal condition.	(<u>G</u> 600₽	Poor .
ı	Decant valve integrity.	(Good	Poor
I	LNAPL in separator?	Yes	(Ño)
	Separator needs cleaning?	(Yes)	No
	Separator cleaned?	Yes	(Ño)
	LNAPL Storage Drum	_	
۱	LNAPL drum condition.	Good	Poor
ı	LNAPL drum leaks?	Yes	No
	Drum high level shut-off operational?	Yes	No
	Technician: Date:	H-1	4- 14

LNAPL/Groundwater System - (Continued)		
Equalization Drum Equalization drum condition: Equalization drum leaks? Drum high level shut-off operational?	Good Yes Yes	Poor No No
Transfer Pump and Piping Pump operational? Pump condition. Flow meter operational? Transfer pump flow rate.	() () () () () () () () () () () () () (No Poor No GPM P5/
Carbon Treatment Units Primary carbon unit condition. Primary carbon unit leaks? Primary carbon unit pressure. Primary carbon removed for disposal? Secondary carbon unit rotated to primary? New carbon placed in primary unit?	Yes 7.0 Yes Yes Yes Yes Yes	Poor No PSI PSI PSI No
Secondary carbon unit condition. Secondary carbon unit leaks? Secondary carbon unit pressure. Secondary carbon removed for disposal? Polishing unit rotated to secondary? New carbon placed in secondary unit?	Yes Yes Yes Yes Yes Yes Yes	Poor (No) PSI (No) (No) (No) (No)
Polishing carbon unit condition. Polishing carbon unit leaks? Polishing carbon unit pressure. Polishing carbon removed for disposal? New carbon placed in secondary unit?	Yes //A 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?		Poor Poor No Poor No

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

Miscellaneous - (Continued)		
Extraction Well Overall vault condition. Work needed on vault?	(Good) Yes	Poor
Air Compressor Compressor operational? Compressor hours. Oil level checked?	YE) 2845.4 (YE)	No Hours No
Oil level changed? Compressor trap operating?	Yes Yes	(No
Regulator operating?	ને હિલ્લિ	No No

Sampling		
Pre-carbon water sampled?	Yes	(No.)
Pre-carbon sample ports clear?	(Yes	No
Mid-carbon water sampled?	Yes	CNO
Mid-carbon sample ports clear?	(YES)	No
Post carbon water sampled?	Yes	(No)
Post carbon sample ports clear?	(Yes)	No
Time sampled?	NR	a.m./p.m.
Compliance event?	Yes	(dD)
Product sampled?	Yes	(Ño)

Recovery and Disposal		
Totalizer reading.	895202	Gallons
Recovery from DNAPL Drum Pure DNAPL to disposal drum. DNAPL/water to disposal drum. DNAPL/water to oil/water separator.	0.4 1.5 65	Gallons Gallons Gallons
Recovery from Oil/Water Separator Pure DNAPL to disposal drum. DNAPL/water to disposal drum.	0.25	Gallons Gallons
Recovery from LNAPL Drum Pure LNAPL to disposal drum. LNAPL/water to disposal drum. LNAPL/water to oil/water separator.		Gallons Gallons Gallons
Product. Carbon. Waste Storage DNAPL drums on-site (full and fractional) Spent carbon drums PPE/Solids drums LNAPL drums	1 2 0	Drums Drums Drums Drums
Drums labeled	(Yes	No

NOTES: Dioppel off 14.55 gal Drum.

DNAPL System		
	1	
Operational upon arrival?	C'Yes"	No
DNAPL pump pressure (arrival)	20	PSI
DNAPL pump pressure (departure)	20	PSI
Pneumatic settings adjusted?	Yes	(No)
Discharge control setting (departure)	*	Arrow
Refill control setting (departure)	4	Arrow
DNAPL Drum		
High level shut off operational?	(YE)	No
Green warning light operational?	(Yes)	No
DNAPL drum container condition.	C 000	Poor
Leaks present?	Yes	Cizs
Decant valve integrity.	(\$\$\$\$	Poor
DNAPL Pump and Piping		
DNAPL piping integrity.	Good	Poor
DNAPL pump cleaned?	Yes	(No
DNAPL top of pump depth.	NA	Feet

LNAPL/Groundwater System		
Operational upon arrival?	(Te)	No
LNAPL pump pressure (arrival)	45-35	PSI
LNAPL pump pressure (departure)	3 35	PSI
Bubbler tube operating pressure.	7.0	PSI
Pneumatic settings adjusted?	Yes	(10)
Discharge control setting (departure)	*	Arrow
Refill control setting (departure)	\$	Arrow
INARI Ruma and Bining		
LNAPL Pump and Piping	(COO)	D
LNAPL piping integrity. LNAPL pump cleaned?	Yes	Poor (Na
LNAPL top of pump depth.	153	Feet
LINAPL top of pump deput.	WH.	reet
Oil/Water Separator		
High level oil shut-off operational?	COS	No
High level water shut-off operational?	₫es ·	No
White warning light operational?	(PES>	No_
Separator vessel condition.	Good	Poor
Leaks present?	Yes	440
Separator cover and seal condition.	Good	Poor
Decant valve integrity.	Good	Poor
LNAPL in separator?	Yes	QVD
Separator needs cleaning?	(18)	No
Separator cleaned?	Yes	(ND)
LNAPL Storage Drum		
LNAPL drum condition.	Good	Poor
LNAPL drum leaks?	Yes	No
Drum high level sbut-off operational?	Yes	No

LNAPL/Groundwater System - (Continued) Equalization Drum Equalization drum condition Equalization drum leaks? Primary carbon unit condition. Primary carbon unit pressure. Primary carbon unit condition. Secondary carbon unit pressure. Secondary carbon unit pressure. Secondary carbon unit pressure. Secondary carbon unit pressure. Polishing carbon unit condition. Polishing carbon unit pressure. Polishing carbon unit condition. Polishing carbon unit pressure. Polishing carbon unit condition. Polishing carbon unit pressure. Polishing pressure. Polishing pressure			
Equalization drum condition Equalization drum leaks? Drum high level shift-off operational? Transfer Pump and Piping Pump operational? Pump condition. Flow meter operational? Transfer pump flow rate. Filter trassore. Carbon Treatment Units Primary carbon unit condition. Primary carbon unit pressure. Primary carbon unit rotated to primary? New carbon placed in primary unit? Secondary carbon unit leaks? Polishing unit rotated to secondary? New carbon placed in secondary unit? Polishing carbon unit tondition. Polishing carbon unit condition. Polishing carbon unit pressure. Polishing carbon unit condition. Polishing carbon unit pressure. Poor Poor Poor Poor Poor Poor Poor Poo	LNAPL/Groundwater System - (Contin	iued)	
Equalization drum condition Equalization drum leaks? Drum high level shift-off operational? Transfer Pump and Piping Pump operational? Pump condition. Flow meter operational? Transfer pump flow rate. Filter trassore. Carbon Treatment Units Primary carbon unit condition. Primary carbon unit pressure. Primary carbon unit rotated to primary? New carbon placed in primary unit? Secondary carbon unit leaks? Polishing unit rotated to secondary? New carbon placed in secondary unit? Polishing carbon unit tondition. Polishing carbon unit condition. Polishing carbon unit pressure. Polishing carbon unit condition. Polishing carbon unit pressure. Poor Poor Poor Poor Poor Poor Poor Poo			
Equalization drum leaks? Drum high level shuit-off operational? Transfer Pump and Piping Pump operational? Pump condition. Flow meter operational? Transfer pump flow rate. Filter fressere. Carbon Treatment Units Primary carbon unit condition. Primary carbon unit pressure. Primary carbon unit ondition. Secondary carbon unit condition. Secondary carbon unit condition. Secondary carbon unit pressure. Secondary carbon unit pressure. Secondary carbon unit pressure. Secondary carbon unit pressure. Polishing unit rotated to secondary? New carbon placed in secondary unit? Polishing carbon unit leaks? Polishing carbon unit leaks? Polishing carbon unit pressure. Poor Yes Miscellaneous Miscellaneous Miscellaneous Miscellaneous Miscellaneous Miscellaneous Poor No		Cood	D
Drum high level shui-off operational? Transfer Pump and Piping Pump operational? Plow meter operational? Transfer pump flow rate. Filter in 19550. C Carbon Treatment Units Primary carbon unit condition. Primary carbon unit pressure. Primary carbon unit rotated to primary? New carbon placed in primary unit? Secondary carbon unit pressure. Polishing carbon unit condition. Polishing carbon unit pressure. Polishing pressure. Polish			
Transfer Pump and Piping Pump operational? Pump condition. Flow meter operational? Transfer pump flow rate. Filter frescore. Carbon Treatment Units Primary carbon unit condition. Primary carbon unit pressure. Primary carbon unit tondition. Secondary carbon unit pressure. Polishing carbon unit condition. Polishing carbon unit pressure. Poor Yes Miscellane and Site Remediation shed condition. Shed ventilation acceptable? Remediation shed condition. Shed ventilation acceptable? Remediation shed condition. Shed ventilation acceptable? Remediation shed condition.			
Pump operational? Pump condition. Flow meter operational? Transfer pump flow rate. Filter rescret. Carbon Treatment Units Primary carbon unit condition. Primary carbon unit pressure. Primary carbon unit rotated to primary? New carbon placed in primary unit? Secondary carbon unit condition. Secondary carbon unit pressure. Secondary carbon unit rotated to secondary? New carbon placed in secondary unit? Polishing carbon unit condition. Polishing carbon unit pressure. Poor Yes No Miscellaneous	Drum high level shut-off operational?	Yes	No No
Pump condition. Flow meter operational? Transfer pump flow rate. Filter frescive. Carbon Treatment Units Primary carbon unit condition. Primary carbon unit pressure. Primary carbon unit pressure. Primary carbon unit condition. Secondary carbon unit condition. Secondary carbon unit leaks? New carbon placed in primary unit? Secondary carbon unit pressure. Polishing unit rotated to secondary? New carbon placed in secondary unit? Polishing carbon unit condition. Polishing carbon unit pressure. Poor Yes No Miscellaneous Miscellaneous Miscellaneous Poor Poor Poor Poor Poor Poor Poor Poo	Transfer Pump and Piping		
Flow meter operational? Transfer pump flow rate. Filter Gressore. Carbon Treatment Units Primary carbon unit condition. Primary carbon unit leaks? Primary carbon unit pressure. Primary carbon unit ondition. Primary carbon unit ondition. Primary carbon unit pressure. Primary carbon unit ondition. Secondary carbon unit condition. Secondary carbon unit pressure. Polishing unit rotated to secondary? New carbon placed in secondary unit? Polishing carbon unit condition. Polishing carbon unit pressure. Poor Yes No Miscellaneous Miscellaneous Miscellaneous Miscellaneous Miscellaneous Poor No			No
Transfer pump flow rate. Filter fressive. Carbon Treatment Units Primary carbon unit condition. Primary carbon unit leaks? Primary carbon unit rotated to primary? New carbon placed in primary unit? Secondary carbon unit rotated to primary unit? Secondary carbon unit rotated to primary unit? Secondary carbon unit condition. Secondary carbon unit pressure. Secondary carbon removed for disposal? Polishing unit rotated to secondary? New carbon placed in secondary unit? Polishing carbon unit condition. Polishing carbon unit pressure. Poor Yes No Miscellaneous Miscellaneous Miscellaneous Miscellaneous Miscellaneous Miscellaneous Poor Yes No No Poor Yes No No Poor Yes No No Poor Yes No	11 •	(GOOD)	Poor
Carbon Treatment Units Primary carbon unit condition. Primary carbon unit pressure. Primary carbon unit pressure. Primary carbon removed for disposal? Secondary carbon unit condition. Secondary carbon unit condition. Secondary carbon unit condition. Secondary carbon unit pressure. Polishing unit rotated to secondary? New carbon placed in secondary unit? Polishing carbon unit condition. Polishing carbon unit pressure. Polishing pressure. Poor Poor No No Miscellaneous Miscellaneous Poor No No No No Poor No	Flow meter operational?	(ध)	No
Carbon Treatment Units Primary carbon unit condition. Primary carbon unit leaks? Primary carbon unit pressure. Primary carbon removed for disposal? Secondary carbon unit condition. Secondary carbon unit condition. Secondary carbon unit condition. Secondary carbon unit pressure. Polishing unit rotated to secondary? New carbon placed in secondary unit? Polishing carbon unit condition. Polishing carbon unit pressure. Polishing pressure. Poor Poor Poor No Poor No Miscellaneous Miscellaneous Poor No	Transfer pump flow rate.	6.35	GPM
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Primary carbon unit leaks? Primary carbon unit pressure. Primary carbon removed for disposal? Secondary carbon unit rotated to primary? New carbon placed in primary unit? Secondary carbon unit condition. Secondary carbon unit leaks? Secondary carbon unit pressure. Secondary carbon unit pressure. Secondary carbon unit pressure. Secondary carbon removed for disposal? Polishing unit rotated to secondary? New carbon placed in secondary unit? Polishing carbon unit leaks? Polishing carbon unit pressure. Polis		Coop	Poor
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New carbon placed in primary unit? Secondary carbon unit condition. Secondary carbon unit leaks? Secondary carbon unit pressure. Secondary carbon removed for disposal? Polishing unit rotated to secondary? New carbon placed in secondary unit? Polishing carbon unit condition. Polishing carbon unit leaks? Polishing carbon unit leaks? Polishing carbon unit pressure. Poor Yes No Miscellaneous Poor Miscellaneous Poor No			
Secondary carbon unit condition. Secondary carbon unit leaks? Secondary carbon unit pressure. Secondary carbon removed for disposal? Polishing unit rotated to secondary? New carbon placed in secondary unit? Polishing carbon unit condition. Polishing carbon unit leaks? Polishing carbon unit leaks? Polishing carbon unit pressure. Poor Yes No Miscellare Piping Pipe integrity at catch basin. Pipe at catch basin clear? Pipe integrity at creek. Pipe at creek clear? Miscellaneous Miscellaneous Poor No No Poor No No Repairs/work needed? Poor No Yés			~~
Secondary carbon unit leaks? Secondary carbon unit pressure. Secondary carbon removed for disposal? Polishing unit rotated to secondary? New carbon placed in secondary unit? Polishing carbon unit condition. Polishing carbon unit leaks? Polishing carbon unit pressure. Polishing carbon removed for disposal? New carbon placed in secondary unit? Post Poor Poor Poor Pipe integrity in shed. Pipe integrity at catch basin. Pipe at catch basin clear? Pipe integrity at creek. Pipe at creek clear? Miscellaneous Miscellaneous Poor No P	New carbon praced in primary unit:	163	CARA
Secondary carbon unit pressure. Secondary carbon removed for disposal? Polishing unit rotated to secondary? New carbon placed in secondary unit? Polishing carbon unit condition. Polishing carbon unit leaks? Polishing carbon unit pressure. Poor No No No Miscellaneous Poor No	11		
Secondary carbon removed for disposal? Polishing unit rotated to secondary? New carbon placed in secondary unit? Polishing carbon unit condition. Polishing carbon unit leaks? Polishing carbon unit pressure. Polishing carbon unit pressure. Polishing carbon removed for disposal? New carbon placed in secondary unit? Pressory	Secondary carbon unit leaks?		(N)
Polishing unit rotated to secondary? New carbon placed in secondary unit? Polishing carbon unit condition. Polishing carbon unit leaks? Polishing carbon unit pressure. Polishing carbon unit pressure. Polishing carbon removed for disposal? New carbon placed in secondary unit? Pressure Proceeding Procedure Procedur	Secondary carbon unit pressure.	0.0	
New carbon placed in secondary unit? Polishing carbon unit condition. Polishing carbon unit leaks? Polishing carbon unit pressure. Polishing carbon removed for disposal? New carbon placed in secondary unit? Possible property in shed. Pipe integrity at catch basin. Pipe at catch basin clear? Pipe at creek clear? Miscellaneous Publishing and Site Remediation shed condition. Shed ventilation acceptable? Repairs/work needed? Poor Poor No Poo	Secondary carbon removed for disposal?	Yes	(Na
Polishing carbon unit condition. Polishing carbon unit leaks? Polishing carbon unit pressure. Polishing carbon removed for disposal? New carbon placed in secondary unit? Pipe integrity in shed. Pipe integrity at catch basin. Pipe at catch basin clear? Pipe integrity at creek. Pipe at creek clear? Miscellaneous Poor Miscellaneous Poor No Poor No Poor No Pipe at creek clear? Poor No Miscellaneous Poor No Pipe at creek clear? Pipe at creek clear? Pipe at creek clear? Pipe at creek clear? Poor No Poor No Pipe at creek clear? Pipe at creek clear? Pipe at creek clear? Pipe at creek clear? Poor No Pipe at creek clear?	Polishing unit rotated to secondary?	Yes	(No)
Polishing carbon unit leaks? Polishing carbon unit pressure. Polishing carbon removed for disposal? New carbon placed in secondary unit? Pipe integrity in shed. Pipe integrity at catch basin. Pipe at catch basin clear? Pipe integrity at creek. Pipe at creek clear? Miscellaneous Building and Site Remediation shed condition. Shed ventilation acceptable? Repairs/work needed? Yes PSI	New carbon placed in secondary unit?	Yes	
Polishing carbon unit leaks? Polishing carbon unit pressure. Polishing carbon removed for disposal? New carbon placed in secondary unit? Pipe integrity in shed. Pipe integrity at catch basin. Pipe at catch basin clear? Pipe integrity at creek. Pipe at creek clear? Miscellaneous Building and Site Remediation shed condition. Shed ventilation acceptable? Repairs/work needed? Yes PSI	Polishing carbon unit condition.	(G660)	Poor
Polishing carbon unit pressure. Polishing carbon removed for disposal? New carbon placed in secondary unit? Polishing carbon removed for disposal? New carbon placed in secondary unit? Pischarge Piping Pipe integrity in shed. Pipe integrity at catch basin. Pipe at catch basin clear? Pipe integrity at creek. Pipe at creek clear? Miscellaneous Poor Miscellaneous Poor No Poor No Pipe at creek clear?		C. C	
Polishing carbon removed for disposal? New carbon placed in secondary unit? Pischarge Piping Pipe integrity in shed. Pipe integrity at catch basin. Pipe at catch basin clear? Pipe at creek clear? Miscellaneous Building and Site Remediation shed condition. Shed ventilation acceptable? Repairs/work needed? Yes Yes Yes Poor Poor Poor No Po			
New carbon placed in secondary unit? Discharge Piping Pipe integrity in shed. Pipe integrity at catch basin. Pipe at catch basin clear? Pipe at creek clear? Miscellaneous Building and Site Remediation shed condition. Shed ventilation acceptable? Repairs/work needed? Yes No Poor Poor No P			
Pipe integrity in shed. Pipe integrity at catch basin. Pipe at catch basin clear? Pipe integrity at creek. Pipe at creek clear? Miscellaneous Building and Site Remediation shed condition. Shed ventilation acceptable? Repairs/work needed? Poor Poor No	, ,		
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Pipe integrity at catch basin. Pipe at catch basin clear? Pipe integrity at creek. Pipe at creek clear? Miscellaneous Building and Site Remediation shed condition. Shed ventilation acceptable? Repairs/work needed? Poor No Repairs/work needed?		COO	Poor
Pipe at catch basin clear? Pipe integrity at creek. Pipe at creek clear? Miscellaneous Building and Site Remediation shed condition. Shed ventilation acceptable? Repairs/work needed? No No Poor No No Yés			
Pipe integrity at creek. Pipe at creek clear? Miscellaneous Building and Site Remediation shed condition. Shed ventilation acceptable? Repairs/work needed? Poor No Yes			
Pipe at creek clear? Miscellaneous Building and Site Remediation shed condition. Shed ventilation acceptable? Repairs/work needed? Yes No Poor No Yes	16 •		
Miscellaneous Building and Site Remediation shed condition. Shed ventilation acceptable? Repairs/work needed? Poor No Yes			
Building and Site Remediation shed condition. Shed ventilation acceptable? Repairs/work needed? Poor No Yes	Fipe at cleek clear?	(163)	INO
Remediation shed condition. Shed ventilation acceptable? Repairs/work needed? Poor No Yés	Miscellaneous		
Remediation shed condition. Shed ventilation acceptable? Repairs/work needed? Poor No Yés To	Building and Sies		
Shed ventilation acceptable? Repairs/work needed? No Yés No		00000	n
Repairs/work needed? Yes	H		
1			
Spill evidence?			
	Spill evidence?	Yes	CNO
Electrical/Heating		_	
Electric controls operational Yes No	Electric controls operational	Vii)	No
Heater operational Yes No	Heater operational	Yes	No

Miscellaneous - (Continued)		
Extraction Well Overall vault condition. Work needed on vault?	(Good) Yes	Poor
Air Compressor Compressor operational? Compressor hours. Oil level checked? Oil level changed? Compressor trap operating? Regulator operating? Air lines performing properly?	300 × 600 6	Nours Nours No Po No No

Sampling		_
Pre-carbon water sampled?	Yes	(1975)
Pre-carbon sample ports clear?	(জ)	No
Mid-carbon water sampled?	Yes	(NO)
Mid-carbon sample ports clear?	CES	No
Post carbon water sampled?	Yes	(N)
Post carbon sample ports clear?	C169	No
Time sampled?	111	a.m./p.m.
Compliance event?	Yes	CND
Product sampled?	Yes	(N)

Recovery and Disposal	·	
Totalizer reading.	903562	Gallons
Recovery from DNAPL Drum Pure DNAPL to disposal drum. DNAPL/water to disposal drum. DNAPL/water to oil/water separator.	0.2 1.5 38	Gallons Gallons Gallons
Recovery from Oil/Water Separator Pure DNAPL to disposal drum. DNAPL/water to disposal drum. Recovery from LNAPL Drum Pure LNAPL to disposal drum.	<u>0</u>	Gallons Gallons
Pure LNAPL to disposal drum. LNAPL/water to disposal drum. LNAPL/water to oil/water separator.		Gallons Gallons Gallons
Product, Carbon, Waste Storage DNAPL drums on-site (full and fractional)	,	Drums
Spent carbon drums PPE/Solids drums LNAPL drums Drums labeled	130	Drums Drums Drums No

NOTES: Changed How Filters
and Engited DNAR Drum.

Table 4-1

Former Gastown Manufactured Gas Plant Site

DNAPL System		
Operational upon arrival?	Yes	No
DNAPL pump pressure (arrival)	/8	PSI
DNAPL pump pressure (departure)	/8	PSI
Pneumatic settings adjusted?	Yes	(No
Discharge control setting (departure)	7	Arrow
Refill control setting (departure)	-	Arrow
DNAPL Drum		
High level shut off operational?	(Yes)	No
Green warning light operational?	X gs	No
DNAPL drum container integrity.	Good	Poor
Leaks present?	Yes	(N b)
Decant valve integrity.	Good	Poor
DNAPL Pump and Piping		
DNAPL piping integrity.	Good	Poor
DNAPL pump cleaned?	Yes	8
DNAPL top of pump depth.	MA	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.	7.0	PSI
Pneumatic settings adjusted?	Yes	(NB)
Discharge control setting (departure)	7	Arrow
Refill control setting (departure)	•	Arrow
at the second of		
LNAPL Pump and Piping		
LNAPL piping integrity.	(4) (4) (4) (4) (4) (4) (4) (4)	Poor
LNAPL pump cleaned?	Yes	(Mg)
LNAPL top of pump depth.	M	Feet
Oil/Water Separator		
Water high level shut-off operational?	(YES)	No
White warning light operational?	(B)	No
Separator vessel integrity.	€000	Poor
Leaks present?	Yes	®
Separator cover and seal integrity.	606d	Poor
Decant valve integrity.	6008	Poor
LNAPL in separator?	Yes	8
Separator needs cleaning?	(S)	No
Separator cleaned?	Yes	(B)

Technician:_	D'H'	
Date:	04-23-04	

LNAPL/Groundwater System - (Continued)		
Transfer Pump and Piping	I	
Pump operational?	(YES)	No
Pump integrity.	Good	Poor
Flow meter operational?	(Yes)	No
Transfer pump flow rate.	5,95	GPM
Totalizer reading (cumulative volume).	912797	Gallons
Water filters changed?	CYES	No
Filter unit pressure (arrival/departure)	20/11	PSI
ritter unit pressure (arrival/departate)	30/19	
Carbon Treatment Drums		
Primary carbon drum integrity.	Good	P000
Primary carbon drum leaks?	(YES)	No
Primary carbon drum pressure.	9.0	PSI
Primary carbon removed for disposal?	Yes	RO
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	(AD)
Secondary carbon drum pressure.	0.0	PSI
Secondary carbon removed for disposal?	Yes	(NO)
Polishing drum rotated to secondary?	Yes	(B)
New carbon placed in secondary drum?	Yes	1
B. P. L.	Good	Poor
Polishing carbon drum integrity. Polishing carbon drum leaks?	Yes	(No)
Polishing carbon drum pressure.	1/4	PSI
Polishing carbon removed for disposal?	Yes	446
New carbon placed in primary drum?	Yes	
New carbon praced in primary drum?	165	· (NO)
Discharge Piping		
Pipe integrity in shed.	Good	Poor
Pipe integrity at catch basin.	C000	Poor
Pipe at catch basin clear?	Q.	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?	Yes Yes	Poor No No
Electrical and Heating Electric controls operational Heater operational		No No

Miscellaneous - (Continued)		
Access Vaults		
Overall vault integrity.	Coo	Poor
Repairs needed to vaults?	Yes	®
Air Compressor		
Compressor operational?	Yes	No
Compressor hours.	2851.8	Hours
Oil level checked?	(Yes	No
Oil level changed?	Yes	4
Compressor trap operating?	Q	No
Regulator operating?	(YES)	No
Air lines performing properly?	Yes	No

Sampling		
Primary carbon influent sampled?	Yes	OFD
Primary carbon effluent sampled?	Yes	Ø O¥o
Secondary carbon effluent sampled?	Yes	(No)
Compliance event?	Yes	(No)
Time sampled.	NA	a.m./p.m.
Product sampled?	Yes	(Mg)

Recovery and Disposal		
Recovery from DNAPL Drum		
Pure DNAPL to disposal drum.	0.2	Gallons
DNAPL/water to disposal drum.	0.8	Gallons
DNAPL/water to oil/water separator.	35	Gallons
Recovery from Oil/Water Separator		
Pure DNAPL to disposal drum.	0,0	Gallons
DNAPL/water to disposal drum.	0.0	Gallons
·		
Product, Carbon, Waste Storage		
DNAPL drums on-site (full and fractional)	1	Drums
Spent carbon drums	/	Drums
PPE/Solids drums	2	Drums
LNAPL drums	0	Drums
Drums labeled?	(P)	No
Drums palletized?	(es)	No

Notes: Changed He filters.

Primary Carbon unit
is need a another treatment.

(pressure is high).

Emptied DNAPL Drum.

Table 4-1

Former Gastown Manufactured Gas Plant Site

DNAPL System		
Operational upon arrival?	Yes	(No)
DNAPL pump pressure (arrival)	Ø	PSI
DNAPL pump pressure (departure)	20	PSI
Pneumatic settings adjusted?	Yes	N
Discharge control setting (departure)	R	Arrow
Refill control setting (departure)	16	Arrow
DNAPL Drum		
High level shut off operational?	⊘ €5≥	No
Green warning light operational?	(Yes)	No
DNAPL drum container integrity.	Good	Poor
Leaks present?	Yes	M
Decant valve integrity.	Good	Poor
DNAPL Pump and Piping		
DNAPL piping integrity.	Good	Poor
DNAPL pump cleaned?	Yes	(MD)
DNAPL top of pump depth.	NA	Feet

LNAPL/Groundwater System		
Operational upon arrival?	XFES)	No
LNAPL pump pressure (arrival)	36	. PSI
LNAPL pump pressure (departure)	36	PSI
Bubbler tube operating pressure.	7.0	PSI
Pneumatic settings adjusted?	Yes	No
Discharge control setting (departure)	<u>†</u>	Аптом
Refill control setting (departure)	w.	Апоw
LNAPL Pump and Piping		
LNAPL piping integrity.	Geogo	Poor
LNAPL pump cleaned?	Yes	(No)
LNAPL top of pump depth.	NA	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:	DH	/RK	
Date:	04-3	50-04	

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.	8.61	GPM
Totalizer reading (cumulative volume).	0	Gallons
Water filters changed?	Yes	No
Filter unit pressure (arrival/departure)	19/11	PSI
Carbon Treatment Drums	,	
Primary carbon drum integrity.	€600d⊃	Poor
Primary carbon drum leaks?	Yes	(No)
Primary carbon drum pressure.	2.5	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	CNO
Secondary carbon drum pressure.	0.0	PSI
Secondary carbon removed for disposal?	Yes	Ø
Polishing drum rotated to secondary?	V	No
New carbon placed in secondary drum?	Yes	(No)
Polishing carbon drum integrity.	G600	Poor
Polishing carbon drum leaks?	Yes	Q
Polishing carbon drum pressure.	NA	PSI
Polishing carbon removed for disposal?	Yes	No
New carbon placed in primary drum?	(Pes)	No
<u>Discharge Piping</u>		
Pipe integrity in shed.	Good	Poor
Pipe integrity at catch basin.	(God)	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?	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?	Yes	Poor
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

Sampling		
Primary carbon influent sampled?	Yes	055
Primary carbon effluent sampled?	Yes	(N)
Secondary carbon effluent sampled?	(Yes)	No
Compliance event?	(YES)	No
Time sampled.	1100	₫. m²./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.	0.2 0.6 58	Gallons Gallons Gallons
Recovery from Oil/Water Separator Pure DNAPL to disposal drum. DNAPL/water to disposal drum. Product, Carbon, Waste Storage	0.1 0.4	Gallons Gallons
DNAPL drums on-site (full and fractional)	1	Drums
Spent carbon drums	2	Drums
PPE/Solids drums	2	Drums
LNAPL drums	Ö	Drums
Drums labeled?	(Yes)	No
Drums palletized?	(33)	No

Notes: Changed Leaking Carbon vessel.

Sampled System/product,

Changed H2O filters and

bleached system. Robated

Carbon.

DNAPL System		
Operational upon arrival?	Yes	No
DNAPL pump pressure (arrival)	20	PSI
DNAPL pump pressure (departure)	20	tS9
Pneumatic settings adjusted?	Yes	(F)
Discharge control setting (departure)	1	Arrow
Refill control setting (departure)	y.	Апож
DNAPL Drum High level shut off operational? Green warning light operational? DNAPL drum container integrity: Leaks present? Decant valve integrity.	4666 × 6	No No · Poor Poor
DNAPL Primp and Prime DNAPL priming integrity. DNAPL pump cleaned? DNAPL top of pump depth.	Yes VA	Poor No Feel

LNAPL/Groundwater System		
Operational upon arrival?	(Veg)	No .
LNAPL pump pressure (arrival)	35	. PSI
LNAPL pump pressure (departure)	35	PS1
Bubbler tube operating pressure.	7.0	129
Pneumatic settings adjusted?	Yes	₹69
Discharge control setting (departure)	ħ	Arrow
Refill control setting (departure)	*	Arrow
LNAPL Pamp and Piping LNAPL piping integrity. LNAPL pump cleaned? LNAPL top of pump depth.	GSod Yes NA	Poor No Feel
OiliWater Separator	A Séco	·No
Water high level shut-off operational?		No No
White warning light operational?		Pogr
Separator vessel integrity.	Yes	(%)
Leaks present?	-6550>	Poor
Separator cover and seal integrity.	(600)	Poor
Decant valve integrity.		1001 (€9)
LNAPL in separator?	Yes)	Ko Ko
Separator preds cleaning?	Ves	
Separator cleaned?	Yes	1 (179/ 1

Technician:	
Date: 05/0	Yok

<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) Carbon Tryatment Drans 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?	(Fig. 4) (Fi	PSI Poor PSI
Pump operational? Pump integrity. Flow meter operational? Transfer pump flow rate. Totalizer reading (cumulative volume). Water filters changed? Filter unit pressure (arrival/departure) Carbon Tryatment Drums Primary carbon drum integrity. Primary carbon drum leaks? Primary carbon drum pressure. Primary carbon drum pressure. Primary carbon drum rotaled to primary? New carbon placed in primary drum?	(Te) 9.23 77.6/.09 Yes 11/11 Yes 7.00 Yes	Poor No GPM Gallans PSI Paor PSI
Pump integrity. Flow meter operational? Transfer pump flow rate. Totalizer reading (cumulative volume). Water filters changed? Filter unit pressure (arrival/departure) Carbon Tryatment Urunit Primary carbon drum integrity. Primary carbon drum leaks? Primary carbon drum pressure. Primary carbon drum rotaled to primary? New carbon placed in primary drum?	(Te) 9.23 77.6/.09 Yes 11/11 Yes 7.00 Yes	Poor No GPM Gallans PSI Paor PSI
Flow meter operational? Transfer pump flow rate. Totalizer reading (cumulative volume). Water filters changed? Filter unit pressure (arrival/departure) Carbon Treatment Urunia. Primary carbon drum integrity. Primary carbon drum leaks? Primary carbon drum pressure. Primary carbon drum pressure. Primary carbon drum rotaled to primary? New carbon placed in primary drum?	(Tes) 9.23 77.41.09 Yes 11 / 11 Yes 2.00 Yes	No GPM Gallons Gallons PSI Poor PSI
Transfer pump flow rate. Totalizer reading (cumulative volume). Water filters changed? Filter unit pressure (arrival/departure) Carbon Treatment Urunia Primary carbon drum integrity. Primary carbon drum leaks? Primary carbon drum pressure. Primary carbon drum pressure. Primary carbon drum rotaled to primary? New carbon placed in primary drum?	9.23 77.61.09 Yes 11/11 Yes 2.00 Yes	GPM Gallons GP PSI Poor PSI PSI
Totalizer reading (cumulative volume). Water filters changed? Filter unit pressure (arrival/departure) Carbon Treatment Drums Primary carbon drum integrity. Primary carbon drum leaks? Primary carbon drum pressure. Primary carbon drum rotaled to primary? New carbon placed in primary drum?	7761.09 Yes 11/11 Yes 2.0 Yes	Gallons PSI Poor PSI PSI
Water filters changed? Filter unit pressure (arrival/departure) Carbon Treatment Drums Primary carbon drum integrity. Primary carbon drum leaks? Primary carbon drum pressure. Primary carbon drum pressure. Primary carbon drum rotaled to primary? New carbon placed in primary drum?	Yes // /// Good Yes 2.0 Yes	Poor PSI
Filter unit pressure (arrival/departure) Carbon Treatment Drums Primary carbon drum integrity. Primary carbon drum leaks? Primary carbon drum pressure. Primary carbon drum pressure. Primary carbon drum rotaled to primary? New carbon placed in primary drum?	U / II Good Yes 1.0 Yes	PSI Poor PSI
Carbon Treatment Drunts Primary carbon drum integrity. Primary carbon drum leaks? Primary carbon drum pressure. Primary carbon removed for disposal? Secondary carbon drum rotaled to primary? New carbon placed in primary drum?	Cood Yes 2.0 Yes	Poor (FO) PSI
Primary carbon drum integrity. Primary carbon drum leaks? Primary carbon drum pressure. Primary carbon removed for disposal? Secondary carbon drum rotaled to primary? New carbon placed in primary drum?	Yes 2.0 Yes	PSI
Primary carboo drum leaks? Primary carboo drum pressure. Primary carboo removed for disposal? Secondary carbon drum rotated to primary? New carbon placed in primary drum?	Yes 2.0 Yes	PSI
Primary carboo drum pressure. Primary carboo removed for disposal? Secondary carbon drum rotaled to primary? New carbon placed in primary drum?	⊋. <i>Ο</i> Υα	PSI
Primary carbon removed for disposal? Secondary carbon drum rotated to primary? New carbon placed in primary drum?	Yes	
Secondary carbon drum rotated to primary? New carbon placed in primary drum?		
New carbon placed in primary drum?	Vac	C C
	, ω	(FO)
Sanadag eerken dam intamb	Yes	©
Secondary carbon drum integrity.	(G000)	Poor
Secondary carbon drum leaks?	Yes	No
Secondary carbon drum pressure.	0.0	PSI
Secondary carbon removed for disposal?	Yes	(Hg)
Polishing drum rotated to secondary?	Yes	(ATG)
New carbon placed in secondary drum?	Yes	(No
Polishing carbon drum integrity.	(060)	Poor
Polishing carbon drum leaks?	Yes	(40)
Polishing carbon druin pressure.	NA	PSI
Polishing carbon removed for disposal?	Yes	(FE)
New carbon placed in primary drum?	Yes	(May
Disclurge Piping		
Pipe integrity in shed.	Good	Poor
Pipe integrity at catch basin.	(5000)	Poor
Pipe at catch basin clear?	(Fig.)	No
Pipe integrity at creek.	(68)	Poor
Pipe at creek clear?	TYE	No

Building and Site	1 .	}
Remediation shed integrity.	(GEV)	Poor
Shed ventilation acceptable?	(E)	No
Repairs/work needed?	Yes	(NO)
Spill evidence?	Yes	(%)
Electrical and Heating	l	
Electric controls operational		No
Heater operational	Yes	No

Site Visit Checklist/Data Sheet

Miscellaneous - (Continued)		
Access Vaulis		
Overall vault integrity.	G‰¢	Poor
Repairs needed to vaults?	Yes	(MB)
Air Campressor		
Compressor operational?	QE9	No
Compressor hours.	2828.7	Hours
Oil level checked?	(TE)	No
Oil level changed?	Yes	(Ng
Compressortrap operating?	(E)	No
Regulator operating?	(Yes)	No
Air lines performing properly?	(Yes)	No

Sampling		
Primary carbon influent sampled?	Yes	(No
Primary carbon effluent sampled?	Yes	(Ke)
Secondary carbon effluent sampled?	Yes	(N)
Compliance event?	Yes	(No)
Time sampled.	NA	a.m./p.m.
Product sampled?	Yes	(<u>Q</u> (<u>p</u>)

Recovery and Disposal		
Recovery from DNAPL Drawi		
Pure DNAPL to disposal drum.	0,2	Gallons
DNAPL/water to disposal drum.	3.8	Gallons
DNAPLAvater to oil/water separator.	25-	Gallons
Recovery from Oil Water Separator		
Pure DNAPL to disposal drum.	0.0	Gallons
DNAPL/water to disposal drum.	0.0	Gallons
Product. Curhon, Waste Storage		
DNAPL drums on site (full and fractional)		Drums
Spent carbon drums	2	Drums
PPE/Solids drums	€ 2	Drums
LNAPL drums	0	Drums
Drums labeled?	OPE	No
Drums palletized?	(FES)	No

Notes:

Emptied DNAPL Drum and adjusted transfer pump flow rate.

DNAPL top of pump depth.

Former Gastown Manufactured Gas Plant Site

DNAPL System		
Operational upon arrival?	(Pes)	No
DNAPL pump pressure (arrival)	17	PS!
DNAPL pump pressure (departure)	17	PSI
Pneumatic settings adjusted?	Yes	(<u>900)</u>
Discharge control setting (departure)	\	Апож
Reful control setting (departure)	· V	Arrow
DNAPL Dram High level shut off operational? Green warning light operational? DNAPL drum container integrity. Leaks present? Decant valve integrity.	\$ \$ \$ \$ \$	No No Poor Poor
DNAPL Printp and Piping DNAPL priping integrity. DNAPL pump cleaned?	Godd Yes	Poor

NA

LNAPL/Groundwater System		
Operational upon arrival?	(P)	No
LNAPL pump pressure (arrival)	20	PSI
LNAPL pump pressure (departure)	20	PSI
Bubbler tube operating pressure.	7.0	PSI
Pueumatic settings adjusted?	Yes	CEO
Discharge control setting (departure)	ኅ	Алгоч
Refill control setting (departure)	¥	Апом
LNAPL Pump and Piping		
LNAPL piping integrity.	(CR)	Pont
LNAPL pump cleaned?	Yes	⊕
LNAPL top of pump depth.	M	Feel
Oil Water Separatur		
Water high level shut-off operational?	රුණ	No
White warning light operational?	(YES)	No
Separator vessel integrity.	(GE)31	Poor
Leaks present?	Yes	(ED)
Separator cover and seal integrity.	6	6001
Decant valve integrity.	(000a)	Poor
LNAPL in separator?	Yes	₽
Separator needs cleaning?	Yes	1 420
Separator cleaned?	Yes	(No)

Technician:_	PH	
Date:	05-14-04	

Table 4-1

LNAPL/Groundwater System - (Continued)		
Transfer Pump and Piping	1	
Pump operational?	(ES)	No
1	480	Pagr
Pump integrity.	(VS)	No
Flow meter operational?		GPM
Transfer pump flow rate.	8.99	Gallons
Totalizer reading (cumulative volume).	11647.5 Yes	Callon's
Water filters changed?		
Filter unit pressure (arrival/departure)	10.0	PSI
Carhon Treatment Drums		
Primary carbon drum integrity.	(C000)	Poor
Primary carbon drum leaks?	Yes	₩
Primary carbon drum pressure.	30	PSI
Primary carbon removed for disposal?	Yes	6
Secondary carbon drum related to primary?	Yes	Ø>
New carbon placed in primary drum?	Yes	(E)
Secondary carbon drum integrity.	(600)	Poor
Secondary carbon drum leaks?	Yes	(RD)
Secondary carbon drum pressure.	0.0	PSI
Secondary carbon removed for disposal?	Yes	₹
Polishing drum rotated to secondary?	Yes	(0%)
New carbon placed in secondary drum?	Yes	(B)
Polishing carbon drum integrity.	ক্তে	Poor
Polishing carbon drum leaks?	Yes	OND
Polishing carbon drum pressure.	WA	PSI
Polishing carbon removed for disposal?	Yes	(ABD)
New caroon placed in primary drum?	Yes	B
Discharge Puning		
Dischorge Piping Pipe integrity in shed.	6500	Poor
Pipe integrity at catch basin.		Poor
Pipe at catch basin clear?	CES	No
Pipe integrity at creek	COOD	Poor
Pipe at creek clear?		No
rips at sices clear:	ا روی ا	110

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

Site Visit Checklist/Data Sheet

Miscellaneous - (Continued)		
Access Yoults Overall vault integrity. Repairs needed to vaults?	Grad Yes	Poor (ND)
Air Compressor Compressor operational? Compressor hours. Oil level checked? Oil level changed? Compressor trap operating? Regulator operating? Air lines performing properly?	9.50 5 6 6	No Hows (E) No No No

Sampling		
Primary carbon influent sampled?	Yes	(KO)
Primary carbon effluent sampled?	Yes	(m)
Secondary carbon effluent sampled?	Yes	(10)
Compliance event?	Yes	60
Time sampled.	NA	2.m /p.m.
Product sampled?	Yes	(de)

D Dimont		
Recovery and Disposal	T	
Recovery from DNAPI, Drum		
Pure DNAPL to disposal drum.	0.2	Gallons
DNAPL/water to disposal drum.	0.8	Gallons
DNAPLAter to oilAvater separator.	30	Gallons
Recovery from Oil/Mater Separator		
Pure DNAPL to disposal drum.	0.0	Gallons
DNAPL/water to disposal drim.	0.0	Gallons
Product, Carbon, Waste Storage		
DNAPL drums on-site (full and fractional)	3	Drums
Spent carbon drums	:2	Drums
PPE/Solids drums	3	Drums
LNAPL drums	Ó	Drums
Drums labeled?	©	No
Drums pallesized?	®	No

Notes: Emphiel DNAPL drum.

Did not change by 0 fitters.

Cleared obstruction in

totalizer from ows.

DNAPL System		
Operational upon anival?	(Ves)	No
DNAPL pump pressure (arrival)	17	PSI
DNAPL poorp pressure (departure)	17	PSI
Pneumatic settings adjusted?	Yes	(B)
Discharge control setting (departure)	7	Апоч
Refill control setting (departure)	4	Arrow
•		
DNAPL Drinn		
High level shut off operational?	(E)	No
Green warning light operational?		No
DNAPL drum container integrity.	660	Poor
Leaks present?	Yes	6 0
Decant valve integrity:	€ Good	Paor
DNAPI, Pump and Piping		
DNAPL piping integrity.	(So)	Poor
DNAPL pump cleaned?	Yes	®
DNAPL top of pump depth.	I NA	Fcet

LNAPL/Groundwater System		
Operational upon arrival?	©	No
LNAPL pump pressure (arrival)	20	PSI
LNAPL pump pressure (departure)	20	PSI
Bubbler tube operating pressure.	7	PSI
Pneumatic settings adjusted?	Yes	8
Discharge control setting (departure)	7	Arrovi
Refill control setting (departure)	<u> </u>	Arrow.
LNAPI, Pump and Piping LNAPL piping integrity. LNAPL pump cleaned? LNAPL top of pump depth.	Good Yes NA	Pop No Feet
Oil/Water Separatur Water high level shut-off operational? White warning light operational? Separator vessel integrity. Leaks prosent? Separator cover and seal integrity. Decant valve integrity.	इं ध्रीति इं शिल्ली	No Post
LNAPL in separator?	Yes	
Separator oceds cleaning? Separator cleaned?	Yes	6

Fechnician:	Ŋ.	Н.			
Date	121	०५			

Table 4-1

I AMADI (Consumdanton Content (Continued)		
LNAPL/Groundwater System - (Continued)		
Transfer Pump and Piping		
Pump operational?	(Yes)	. No
Pump integrity.	CONT.	Poor
Flow meter operational?	Ves	No
Transfer pump flow rate.	8.68	GPM
1	5254	Gallons
Water filters changed?	Yes	@
Filter unit pressure (arrival/departure)	10/10	PSI
Carbon Treatment Drams		
Primary carbon drum integrity.	(Good)	Poor
Primary carbon drum leaks?	Yes	No
Primary corbon drum pressure.	3.5	PSI
Primary carbon removed for disposal?	Yes	(M)
Secondary carbon drum totated to primary?	Yes	6
New carbon placed on primary drum?	Yes	6
	(S)	
Secondary carbon drum integrity.	Good	Poor
Secondary carbon drum leaks?	Yes	War
Secondary carbon drum pressure.	0	PSI
Secondary carbon removed for disposal?	Yes	(E)
Polishing dram rotated to secondary?	Yes	(A)
New carbon placed in secondary drum?	Yes	(No)
Polishing carbon drum integrity.	G∞d	Poor
Polishing carbon drum leaks?	Yes	6
Polishing carbon drum pressure.	NA	PSI
Polishing carbon removed for disposal?	Yes	6
New carbon placed in primary drum?	Yes	16 0
Discharge Piping		
Pipe integrity in shed.	(EXC)	Poor
Pipe integrity at catch basin.	(COO)	Poor
Pipe at catch basin clear?	(29)	No
Pipe integrity at creek.	(COO)	Poor
Pipe at creek clear?	₩	No

Miscellaneous		
Building and Site		
Remediation shed integrity.	(Post)	Poor
Shed ventilation acceptable?	1 @	No
Repairs work needed?	Yes	(A)
Spill evidence?	Yes	(40)
Electrical and Heating		
Electric controls operational	(E)	No
Heater operational	Q2	No

Site Visit Checklist/Data Sheet

Miscellaneous - (Continued)		
Access Vaults		
Overall vault integrity.	Good	Poor .
Repairs needed to vaults?	Yes	€
Air Compressor		
Compressor operational?	(See	No
Compressor hours.	2865.4	Hours
Oil level checked?	(3)	No
Oil level changed?	Yes	6
Compressor trap operating?	(C)	No
Regulator operating?	100	No
Air lines performing properly?	<u>(5)</u>	No

Sampling		
Primary carbon influent sampled?	Yes	180
Primary carbon effluent sampled?	Yes	1
Secondary carbon effluent sampled?	Yes	(AD)
Compliance event?	Yes	€®
Time sampled.	NA	a.m./p.m.
Product sampled?	Yes	@ _

Recovery and Disposal		
Recovery fram DNAPL Drum Pure DNAPL to disposal drum. DNAPLAvater to disposal drum. DNAPLAvater to oil/water separator.	0.3	Gallons Gallons Gallons
Recovery fram OiliWater Separator Pure DNAPL to disposal drum. DNAPLAvater to disposal drum.	0 0	Gallons Gallons
Product. Curban, Waste Storage DNAPL drums on-site (full and fractional) Spent carbon drums PPE/Solids drums LNAPL drums Drums labeled? Drums palletized?	72 20 BB	Drums Drums Drums Drums Drums No

Notes: System fully operational
upon arrival + departure - 40
filters not changed (no bio activity).
Limited recovery possibly due
to low weekly rainfall.

<u>Table 4-1</u>

Former Gastown Manufactured Gas Plant Site

DNAPL System		
Operational upon arrival?	Yes	No
DNAPL pump pressure (arrival)	1.7	PSI
DNAPL pump pressure (departure)	10	PSI
Pneumatic settings adjusted?	Yes	প্রিত
Discharge control setting (departure)	1	Arrow
Refill control setting (departure)	4	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.	€000D	Роог
DNAPL pump cleaned?	Yes	(ND)
DNAPL top of pump depth.	M	Feet

LNAPL/Groundwater System		
Operational upon arrival?	Yes	No
LNAPL pump pressure (arrival)	17	. PSI
LNAPL pump pressure (departure)	17	PSI
Bubbler tube operating pressure.	70	PSI
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	QID.
LNAPL top of pump depth.	NA	Feet
Oil/Water Separator		
Water high level shut-off operational?	d'652	No
White warning light operational?	Ves	Nő
Separator vessel integrity.	(Gud)	Poor
Leaks present?	Yes	(NO
Separator cover and seal integrity.	€ Good	Poor
Decant valve integrity.	<u>च्छत्त</u>	Poor
LNAPL in separator?	Yes	No
Separator needs cleaning?	Yes	(Mg)
Separator cleaned?	Yes	(No)

Technician: DH	
Date: 05-18-04	

LNAPL/Groundwater System - (Continued)		
Transfer Pump and Piping		
Pump operational?	(Yes)	No
Pump integrity.	€ 660	Poor
Flow meter operational?	(CS)	No
Transfer pump flow rate.	8.48	GPM
Totalizer reading (cumulative volume).	29773.2	Gallons
Water filters changed?	Yes	1 (0)
Filter unit pressure (arrival/departure)	14/14	PSI
Carbon Treatment Drums	i	
Primary carbon drum integrity.	Good	Poor
Primary carbon drum leaks?	Yes	(No
Primary carbon drum pressure	4.5	PSI
Primary carbon removed for disposal?	Yes	(Da)
Secondary carbon drum rotated to primary?	Yes	(M)
New carbon placed in primary drum?	Yes	(No)
Secondary carbon drum integrity.	Good	Poor
Secondary carbon drum leaks?	Yes	Ø2)
Secondary carbon drum pressure.	1.00	PSI
Secondary carbon removed for disposal?	Yes	CNO
Polishing drum rotated to secondary?	Yes	(No
New carbon placed in secondary drum?	Yes	هُرُلاج
Polishing carbon drum integrity.	(Good)	Poor
Polishing carbon drum leaks?	Yes	⟨N _P
Polishing carbon drum pressure.	NA	PSI
Polishing carbon removed for disposal?	Yes	cNa
New carbon placed in primary drum?	Yes	⊕ o
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?	Yes Yes	Poor No Ma No
Electrical and Heating Electric controls operational Heater operational	(Nos)	No No

Miscellaneous - (Continued)			
Access Vaults			
Overall vault integrity.	(Good)	Poor	
Repairs needed to vaults?	Yes	<n<sub>0</n<sub>	
Air Compressor			
Compressor operational?	(Fes)	No	
Compressor hours.	2561.0	Hours	
Oil level checked?	CYES	No	
Oil level changed?	Yes	Q100	
Compressor trap operating?	(YES)	No	
Regulator operating?	Yes	No	
Air lines performing properly?	Yes	No	

Sampling		-
Primary carbon influent sampled?	Yes	9N6"
Primary carbon effluent sampled?	Yes	€
Secondary carbon effluent sampled?	(Yes)	No
Compliance event?	(Yes)	No
Time sampled.		a.m./p.m.
Product sampled?	Yes	Q

Recovery and Disposal		
Recovery from DNAPL Drum Pure DNAPL to disposal drum. DNAPL/water to disposal drum. DNAPL/water to oil/water separator.	0.1	Gallons Gallons Gallons
Recovery from Oil/Water Separator Pure DNAPL to disposal drum. DNAPL/water to disposal drum.	0.0	Gallons Gallons
Product, Carbon, Waste Storage DNAPL drums on-site (full and fractional) Spent carbon drums	3	Drums Drums
PPE/Solids drums LNAPL drums	2	Drums Drums
Drums labeled? Drums palletized?	(G)	No No

Notes: Performed monthly saughing event.

Site Visit Checklist/Data Sheet

<u>Table 4-1</u>

Former Gastown Manufactured Gas Plant Site

DNAPL System		. 1
Operational upon arrival?	Yes	No
DNAPL pump pressure (arrival)	20	PSI
DNAPL pump pressure (departure)	20	PSI
Pneumatic settings adjusted?	Yes	₫\$
Discharge control setting (departure)	R	Агтом
Refill control setting (departure)	+	Апом
DNAPL Drum		
High level shut off operational?	(Yes	No
Green warning light operational?	(Pes)	No
DNAPL drum container integrity.	(Good)	Poor
Leaks present?	Yes	₹
Decant valve integrity.	G66d)	Poor
DNAPL Pump and Piping		
DNAPL piping integrity.	Good	Poor
DNAPL pump cleaned?	Yes	(No
DNAPL top of pump depth.	NR	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.	7.0	PSI
Pneumatic settings adjusted?	Yes	₫00
Discharge control setting (departure)	R	Arrow
Refill control setting (departure)	+	Arrow
LNAPL Pump and Piping LNAPL piping integrity.	<u> </u>	Poor
LNAPL pump cleaned?	Yes	(No)
LNAPL top of pump depth.	NA	Feet
Oil/Water Separator		
Water high level shut-off operational?	(ZE)	No
White warning light operational?	((((()	No
Separator vessel integrity.	Good	Poor
Leaks present?	Yes	(Mg)
Separator cover and seal integrity.	Geod>	Poor
Decant valve integrity.	ODOG >	Poor
LNAPL in separator?	Yes	(Ago)
Separator needs cleaning?	Yes	ORES
Separator cleaned?	Yes	(10)

Technician:	D.H.		_
	Lilai	•	
Date:	64107		

LNAPL/Groundwater System - (Continued) Transfer Pump and Piping Pump operational? Pump integrity. Poor Poor Flow meter operational? Transfer pump flow rate. 7. 47 GPM Gallons			
Pump operational? Pump integrity. Flow meter operational? Transfer pump flow rate. Totalizer reading (cumulative volume). Water filters changed? Filter unit pressure (arrival/departure) Carbon Treatment Drums Primary carbon drum integrity. Primary carbon drum leaks? Primary carbon drum rotated to primary? New carbon placed in primary drum? Secondary carbon drum integrity. Secondary carbon drum integrity. Secondary carbon drum leaks? Secondary carbon drum leaks? Secondary carbon drum leaks? Secondary carbon drum integrity. Secondary carbon drum leaks? Secondary carbon drum pressure. Secondary carbon drum leaks? Polishing drum rotated to secondary? New carbon placed in secondary drum? Polishing carbon drum integrity. Polishing carbon drum pressure. Polishing carbon drum	LNAPL/Groundwater System - (Continued)		
Pump integrity. Flow meter operational? Transfer pump flow rate. Totalizer reading (cumulative volume). Water filters changed? Filter unit pressure (arrival/departure) Carbon Treatment Drums Primary carbon drum integrity. Primary carbon drum pressure. Primary carbon drum rotated to primary? New carbon placed in primary drum? Secondary carbon drum integrity. Secondary carbon drum integrity. Secondary carbon drum integrity. Secondary carbon drum integrity. Secondary carbon drum pressure. Secondary carbon drum integrity. Secondary carbon drum pressure. Secondary carbon drum integrity. Polishing drum rotated to secondary? New carbon placed in secondary drum? Polishing carbon drum integrity. Polishing carbon drum integrity. Polishing carbon drum integrity. Polishing carbon drum leaks? Polishing carbon drum pressure. Poor Poor Poor Poor Poor Pipe integrity at catch basin. Pipe at catch basin clear? Pipe integrity at creck.	Transfer Pump and Piping		
Flow meter operational? Transfer pump flow rate. Totalizer reading (cumulative volume). Water filters changed? Filter unit pressure (arrival/departure) Carbon Treatment Drums Primary carbon drum integrity. Primary carbon drum pressure. Primary carbon drum rotated to primary? New carbon placed in primary drum? Secondary carbon drum integrity. Secondary carbon drum integrity. Secondary carbon drum integrity. Secondary carbon drum integrity. Secondary carbon drum pressure. Secondary carbon drum integrity. Polishing drum rotated to secondary? New carbon placed in secondary drum? Polishing carbon drum integrity. Polishing carbon drum integrity. Polishing carbon drum integrity. Polishing carbon drum integrity. Polishing carbon drum leaks? Polishing carbon drum pressure. Poor Yes No Discharge Pipmg Pipe integrity at catch basin. Pipe at catch basin clear? Pipe integrity at creek.	Pump operational?	(65)	No
Transfer pump flow rate. Totalizer reading (cumulative volume). Water filters changed? Filter unit pressure (arrival/departure) Carbon Treatment Drums Primary carbon drum integrity. Primary carbon drum pressure. Primary carbon drum rotated to primary? New carbon placed in primary drum? Secondary carbon drum integrity. Secondary carbon drum integrity. Secondary carbon drum integrity. Secondary carbon drum pressure. Secondary carbon drum integrity. Polishing drum rotated to secondary? New carbon placed in secondary drum? Polishing carbon drum integrity. Polishing carbon drum integrity. Polishing carbon drum leaks? Polishing carbon drum pressure. Poor Poor Poor Poor Poor Poor Poor Poo	Pump integrity.	√ 0000	Poor
Totalizer reading (cumulative volume). Water filters changed? Filter unit pressure (arrival/departure) Carbon Treatment Drums Primary carbon drum integrity. Primary carbon drum pressure. Primary carbon drum rotated to primary? New carbon placed in primary drum? Secondary carbon drum integrity. Secondary carbon drum pressure. Secondary carbon drum pressure. Secondary carbon drum pressure. Secondary carbon drum integrity. Polishing drum rotated to secondary? New carbon placed in secondary drum? Polishing carbon drum integrity. Polishing carbon drum pressure. Poor Yes No Poor Poor Poor Poor Pipe integrity at catch basin. Pipe at catch basin clear? Pipe integrity at creek.	Flow meter operational?	Yes	No
Water filters changed? Filter unit pressure (arrival/departure) Carbon Treatment Drums Primary carbon drum integrity. 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 integrity. Secondary carbon drum integrity. Secondary carbon drum integrity. Secondary carbon drum pressure. Secondary carbon drum integrity. Polishing drum rotated to secondary? New carbon placed in secondary drum? Polishing carbon drum integrity. Polishing carbon drum integrity. Polishing carbon drum pressure. Poor Poor Poor Poor Poor Poor Poor Poo	Transfer pump flow rate.	7.47	GPM
Water filters changed? Filter unit pressure (arrival/departure) Carbon Treatment Drums Primary carbon drum integrity. 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 integrity. Secondary carbon drum pressure. Polishing drum rotated to secondary? New carbon placed in secondary drum? Polishing carbon drum integrity. Polishing carbon drum integrity. Polishing carbon drum integrity. Polishing carbon drum pressure. Polishing carbon placed in primary drum? Pres Stop Poor Poor Poor Pipe integrity in shed. Pipe integrity at catch basin. Pipe at catch basin clear? Pipe integrity at creek.	Totalizer reading (cumulative volume).	37772.3	Gallons
Carbon Treatment Drums Primary carbon drum integrity. Primary carbon drum pressure. Primary carbon drum rotated to primary? New carbon placed in primary drum? Secondary carbon drum integrity. Secondary carbon drum pressure. Secondary carbon drum pressure. Secondary carbon drum pressure. Secondary carbon drum pressure. Secondary carbon drum integrity. Polishing drum rotated to secondary? New carbon placed in secondary drum? Polishing carbon drum integrity. Polishing carbon drum integrity. Polishing carbon drum pressure. Polishing carbon placed in primary drum? Pipe integrity in shed. Pipe integrity at catch basin. Pipe at catch basin clear? Pipe integrity at creek.	Water filters changed?		No
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 integrity. Secondary carbon drum pressure. Polishing drum rotated to secondary? New carbon placed in secondary drum? Polishing carbon drum integrity. Polishing carbon drum integrity. Polishing carbon drum pressure. Polishing carbon placed in primary drum? Pipe integrity in shed. Pipe integrity at catch basin. Pipe at catch basin clear? Pipe integrity at creek.	Filter unit pressure (arrival/departure)	14/14	PSI
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 integrity. Secondary carbon drum leaks? Secondary carbon drum pressure. Polishing drum rotated to secondary? New carbon placed in secondary drum? Polishing carbon drum integrity. Polishing carbon drum integrity. Polishing carbon drum leaks? Polishing carbon drum pressure. Polishing carbon drum pressure. Polishing carbon drum pressure. Polishing carbon drum pressure. Polishing carbon placed in primary drum? Pipe integrity in shed. Pipe integrity at catch basin. Pipe at catch basin clear? Pipe integrity at creek.		7	
Primary carbon drum leaks? Primary carbon drum pressure. 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. Polishing drum rotated to secondary? New carbon placed in secondary drum? Polishing carbon drum integrity. Polishing carbon drum integrity. Polishing carbon drum pressure. Polishing carbon placed in primary drum? Pischarge Pipung Pipe integrity in shed. Pipe integrity at catch basin. Pipe at catch basin clear? Pipe integrity at creek.	Carbon Treatment Drums		
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. Secondary carbon drum pressure. Polishing drum rotated to secondary? New carbon placed in secondary drum? Polishing carbon drum integrity. Polishing carbon drum integrity. Polishing carbon drum pressure. Polishing carbon placed in primary drum? Pischarge Pipung Pipe integrity in shed. Pipe integrity at catch basin. Pipe at catch basin clear? Pipe integrity at creek.	Primary carbon drum integrity.	Good	Poor
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 drum pressure. Polishing drum rotated to secondary? New carbon placed in secondary drum? Polishing carbon drum integrity. Polishing carbon drum integrity. Polishing carbon drum leaks? Polishing carbon drum pressure. Polishing carbon placed in primary drum? Pist Mo Poor Poor Pist Mo Poor Poor Poor Pipe integrity in shed. Pipe integrity at catch basin. Pipe at catch basin clear? Pipe integrity at creek.	Primary carbon drum leaks?	Yes	(Na)
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 drum pressure. Secondary carbon drum pressure. Polishing drum rotated to secondary? New carbon placed in secondary drum? Polishing carbon drum integrity. Polishing carbon drum leaks? Polishing carbon drum pressure. Polishing carbon drum pressure. Polishing carbon drum pressure. Polishing carbon drum pressure. Polishing carbon placed in primary drum? Pist Polishing carbon placed in primary drum? Pist Poor Poor Pist Poor Poor Poor Pipe integrity in shed. Pipe integrity at catch basin. Pipe at catch basin clear? Pipe integrity at creek.	Primary carbon drum pressure.	5.0	PSI
New carbon placed in primary drum? Secondary carbon drum integrity. Secondary carbon drum leaks? Secondary carbon drum pressure. Secondary carbon drum pressure. Secondary carbon removed for disposal? Polishing drum rotated to secondary? New carbon placed in secondary drum? Polishing carbon drum integrity. Polishing carbon drum leaks? Polishing carbon drum pressure. Polishing carbon drum pressure. Polishing carbon removed for disposal? New carbon placed in primary drum? Pischarge Pipung Pipe integrity in shed. Pipe integrity at catch basin. Pipe at catch basin clear? Pipe integrity at creek.	Primary carbon removed for disposal?	Yes	(Kb)
Secondary carbon drum integrity. Secondary carbon drum leaks? Secondary carbon drum pressure. Secondary carbon drum pressure. Polishing drum rotated to secondary? New carbon placed in secondary drum? Polishing carbon drum integrity. Polishing carbon drum integrity. Polishing carbon drum leaks? Polishing carbon drum pressure. Polishing carbon drum pressure. Polishing carbon removed for disposal? New carbon placed in primary drum? Pie integrity in shed. Pipe integrity at catch basin. Pipe at catch basin clear? Pipe integrity at creek.	Secondary carbon drum rotated to primary?	Yes	(40)
Secondary carbon drum leaks? Secondary carbon drum pressure. Secondary carbon drum pressure. Polishing drum rotated to secondary? New carbon placed in secondary drum? Polishing carbon drum integrity. Polishing carbon drum leaks? Polishing carbon drum pressure. Polishing carbon drum pressure. Polishing carbon removed for disposal? New carbon placed in primary drum? Pischarge Pipmg Pipe integrity in shed. Pipe integrity at catch basin. Pipe at catch basin clear? Pipe integrity at creek.	New carbon placed in primary drum?	Yes	QID)
Secondary carbon drum leaks? Secondary carbon drum pressure. Secondary carbon drum pressure. Polishing drum rotated to secondary? New carbon placed in secondary drum? Polishing carbon drum integrity. Polishing carbon drum leaks? Polishing carbon drum pressure. Polishing carbon drum pressure. Polishing carbon removed for disposal? New carbon placed in primary drum? Pischarge Pipmg Pipe integrity in shed. Pipe at catch basin clear? Pipe integrity at creck.			
Secondary carbon drum pressure. Secondary carbon removed for disposal? Polishing drum rotated to secondary? 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? Possible description of the primary drum? Pipe integrity in shed. Pipe integrity at catch basin. Pipe at catch basin clear? Pipe integrity at creek.		Good	
Secondary carbon removed for disposal? Polishing drum rotated to secondary? 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? Pischarge Pipmg Pipe integrity in shed. Pipe integrity at catch basin. Pipe at catch basin clear? Pipe integrity at creek.			
Polishing drum rotated to secondary? 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? Pischarge Piping Pipe integrity in shed. Pipe integrity at catch basin. Pipe at catch basin clear? Pipe integrity at creek.	• • • • • • • • • • • • • • • • • • • •		
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? Piecharge Pipmg Pipe integrity in shed. Pipe integrity at catch basin. Pipe at catch basin clear? Pipe integrity at creek.	Secondary carbon removed for disposal?	Yes	
Polishing carbon drum integrity. Polishing carbon drum leaks? Polishing carbon drum pressure. Polishing carbon removed for disposal? New carbon placed in primary drum? Pischarge Pipmg Pipe integrity in shed. Pipe integrity at catch basin. Pipe at catch basin clear? Pipe integrity at creck.	Polishing drum rotated to secondary?	Yes	
Polishing carbon drum leaks? Polishing carbon drum pressure. Polishing carbon removed for disposal? New carbon placed in primary drum? Pischarge Pipmg Pipe integrity in shed. Pipe integrity at catch basin. Pipe at catch basin clear? Pipe integrity at creek.	New carbon placed in secondary drum?	Yes	No
Polishing carbon drum leaks? Polishing carbon drum pressure. Polishing carbon removed for disposal? New carbon placed in primary drum? Pischarge Pipmg Pipe integrity in shed. Pipe integrity at catch basin. Pipe at catch basin clear? Pipe integrity at creek.	Balishing carbon drum integrity	(1061)	Poor
Polishing carbon drum pressure. Polishing carbon removed for disposal? New carbon placed in primary drum? Pischarge Pipmg Pipe integrity in shed. Pipe integrity at catch basin. Pipe at catch basin clear? Pipe integrity at creek.			
Polishing carbon removed for disposal? New carbon placed in primary drum? Pipe integrity in shed. Pipe integrity at catch basin. Pipe at catch basin clear? Pipe integrity at creck.		1/4	
New carbon placed in primary drum? Pischarge Pipung Pipe integrity in shed. Pipe integrity at catch basin. Pipe at catch basin clear? Pipe integrity at creck. Pipe integrity at creck.		Yes	
Discharge Piping Poor		Yes	
Pipe integrity in shed. Pipe integrity at catch basin. Pipe at catch basin clear? Pipe integrity at creek. Poor Poor Poor Poor Poor	Their caroon placed in printary arani.		
Pipe integrity in shed. Pipe integrity at catch basin. Pipe at catch basin clear? Pipe integrity at creek. Poor Poor Poor Poor Poor	Discharge Piping		
Pipe integrity at catch basin. Pipe at catch basin clear? Pipe integrity at creek. Poor Poor Poor Poor	f	(GGG)	Poor
Pipe at catch basin clear? Pipe integrity at creek. Poor Poor		669	Poor
Pipe integrity at creek. Good Poor	,		No
		(600)	Poor
	, , , , , , , , , , , , , , , , , , , ,	Yes	No

Miscellaneous		
Building and Site Remediation shed integrity Shed ventilation acceptable? Repairs/work needed? Spill evidence?	Yes Yes	Poor No (\$0 (\$0)
Electrical and Heating Electric controls operational Heater operational	YES)	No No

Miscellaneous - (Continued)		
Access Vaults Overall vault integrity. Repairs needed to vaults?	Yes	Poor
Air Compressor Compressor operational? Compressor hours. Oil level checked? Oil level changed? Compressor trap operating? Regulator operating? Air lines performing properly?	7872.5 (B) Yes (B)	No Hours No No No No

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

Recovery and Disposal		
Recovery from DNAPL Drum Pure DNAPL to disposal drum. DNAPL/water to disposal drum. DNAPL/water to oil/water separator.	0.15	Gallons Gallons Gallons
Recovery from Oil/Water Separator Pure DNAPL to disposal drum. DNAPL/water to disposal drum.	Ø	Gallons Gallons
Product. Carbon. Waste Storage DNAPL drums on-site (full and fractional) Spent carbon drums PPE/Solids drums	3	Drums Drums Drums
LNAPL drums Drums labeled? Drums palletized?	YA YA YES	Drums No No

Notes:

Table 4-1

Former Gastown Manufactured Gas Plant Site

DNAPL System		
Operational upon arrival?	(Yes)	No
DNAPL pump pressure (arrival)	20	PSI
DNAPL pump pressure (departure)	22	PSI
Pneumatic settings adjusted?	(Yes)	No
Discharge control setting (departure)	*	Anow
Refill control setting (departure)	¥	Апом
DNAPL Drum		÷
High level shut off operational?	(Yes)	No
Green warning light operational?	(Yes)	No
DNAPL drum container integrity.	Good	Poor
Leaks present?	Yes	6
Decant valve integrity.	(G6d)	Poor
DNAPL Pump and Piping		
DNAPL piping integrity.	Good	Poor
DNAPL pump cleaned?	Yes	₩
DNAPL top of pump depth.		Feet

LNAPL/Groundwater System		
Operational upon arrival?	(es)	No
LNAPL pump pressure (arrival)	35	PSI
LNAPL pump pressure (departure)	35	PSI
Bubbler tube operating pressure.	7	PSI
Pneumatic settings adjusted?	Yes	(N_0)
Discharge control setting (departure)	R	Апоw
Refill control setting (departure)	1	Апоw
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.	(Go64)	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:	RX	_
Date:	Gliloy	- · ·

LNAPL/Groundwater System - (Continued)		
Transfer Pump and Piping	Yes	No
Pump operational?	(60)	Poor
Pump integrity.		
Flow meter operational?	Yes	No
Transfer pump flow rate.	8.10	GPM
Totalizer reading (cumulative volume).	43223.U	Gallons
Water filters changed?	Yes	(No)
Filter unit pressure (arrival/departure)	15	PSI
Carbon Treatment Drums		-
Primary carbon drum integrity.	Good	Poor
Primary carbon drum leaks?	Yes	No
Primary carbon drum pressure.	5.5	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.	1.0	PSI
Secondary carbon removed for disposal?	Yes	(No)
Polishing drum rotated to secondary?	Yes	(NS)
New carbon placed in secondary drum?	Yes	1 (0)
Polishing carbon drum integrity.	Good	Poor
Polishing carbon drum leaks?	Yes	(No)
Polishing carbon drum pressure.	NA	PSI
Polishing carbon crum pressure. Polishing carbon removed for disposal?	Yes	(No)
New carbon placed in primary drum?	Yes	(N)
riew caroon placed in primary drum:	163	
Discharge Piping		
Pipe integrity in shed.	(66d)	Poor
Pipe integrity at catch basin.	(609)	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) (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
Air Compressor Compressor operational? Compressor hours. Oil level checked? Oil level changed? Compressor trap operating? Regulator operating? Air lines performing properly?	(Yes) 20:75.7 (Pes) (Yes) (Yes)	No Hours No No No No No

Sampling		
Primary carbon influent sampled?	Yes	(No)
Primary carbon effluent sampled?	Yes	N ₆
Secondary carbon effluent sampled?	Yes	(6/4)
Compliance event?	Yes	(No.>
Time sampled.	M	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.	0.0 0.0 0.0	Gallons Gallons Gallons
Recovery from Oil/Water Separator Pure DNAPL to disposal drum. DNAPL/water to disposal drum.	0,0	Gallons Gallons
Product, Carhon, Waste Storage DNAPL drums on-site (full and fractional) Spent carbon drums PPE/Solids drums LNAPL drums Drums labeled? Drums palletized?	300 300 300 300 300 300 300 300 300 300	Drums Drums Drums Drums No

Notes: ADJVSTED DNAPL PUMP pressure
AND DISCHARGE & Refill POUR Receiving & DNAPL Drum

< 1.0 Gal Had & DMAPL

ALSO - 7 Drums of soil I filling
1. Drum rive Attirations
5, mgsd or site

Table 4-1

Former Gastown Manufactured Gas Plant Site

DNAPL System		The second
Operational upon arrival?	Teb	No
DNAPL pump pressure (arrival)	22	PSI
DNAPL pump pressure (departure)	22	PSI
Pneumatic settings adjusted?	Yes	(6)
Discharge control setting (departure)	1	Arrow
Refill control setting (departure)	4	Arrow
ON ARIA O		
DNAPL Drum	-	N-
High level shut off operational?	CES 2	No
Green warning light operational?	(FEE)	No
DNAPL drum container integrity.	660	Poor
Leaks present?	Yes	®
Decant valve integrity.	Good	Poor
DNAPI. Pump and Piping		
DNAPL piping integrity.	Good	Poor
DNAPL pump cleaned?	Yes	ØÎø
DNAPL top of pump depth.	NA	Feet

LNAPL/Groundwater System		
Operational upon arrival?	Yes	No
LNAPL pump pressure (arrival)	36.0	PSI
LNAPL pump pressure (departure)	3.7.0	PSI
Bubbler tube operating pressure.	7.0	PSI
Pneumatic settings adjusted?	Yes	©
Discharge control setting (departure)	K	Arrow
Refill control setting (departure)	*	Arrow
LNAPL Pump and Piping	·	
LNAPL piping integrity.	Good	Poor
LNAPL pump cleaned?	Yes	69
LNAPL top of pump depth.	NA	Feet
Oil/Water Separator		
Water high level shut-off operational?	(Pes)	No
White warning light operational?	(6)	No
Separator vessel integrity.	(GG)	Poor
Leaks present?	Yes	(Afo)
Separator cover and seal integrity.	CODO	Poor
Decant valve integrity.	Cura D	Poor
LNAPL in separator?	Yes	(Mb)
Separator needs cleaning?	Yes	6
Separator cleaned?	Yes	(1/0)

Technician:	DH		,
<u> </u>	06/14/04	. ,	
Date:	06/10/64		

LNAPL/Groundwater System - (Continued)		
Transfer Pump and Piping	1	
Pump operational?	(Yes)	No
Pump integrity.	(G000)	Poor
Flow meter operational?	(Yes)	No
·	23/	GPM
Transfer pump flow rate. Totalizer reading (cumulative volume).	USI 47 J	Gallons
Water filters changed?	776917 Yes	(No)
Filter unit pressure (arrival/departure)	11.07	7,6/131
Carbon Treatment Drums	i i	
Primary carbon drum integrity	066	Poor
Primary carbon drum leaks? (18 4001 Arrum)	Yes	(No)
Primary carbon drum pressure.	5.0	PSI
Primary carbon removed for disposal?	Yes	€ ₹00
Secondary carbon drum rotated to primary?	Yes	ው
New carbon placed in primary drum?	Yes	160
	650	Poor
Secondary carbon drum integrity.	Good Yes	ONO?
Secondary carbon drum leaks?	nes ves	PSI
Secondary carbon drum pressure.		
Secondary carbon removed for disposal?	Yes	(S)
Polishing drum rotated to secondary?	Yes	(S)
New carbon placed in secondary drum?	Yes	No-
Polishing carbon drum integrity.	(Good)	Poor
Polishing carbon drum leaks?	Yes	(No
Polishing carbon drum pressure.	NA	PSI
Polishing carbon removed for disposal?	Yes	(No)
New carbon placed in primary drum?	Yes	No>
	İ	
Discharge Piping	-	
Pipe integrity in shed.	(7000)	Poor
Pipe integrity at catch basin.	(G60d)	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?	Cloud Yes Yes Yes	Poor No. No
Electrical and Heating Electric controls operational Heater operational	705	No No

Miscellaneous - (Continued)		
Access Vaults		
Overall vault integrity.	6000	Poor
Repairs needed to vaults?	Yes	C1903
Air Compressor		•
	(P)	No
Compressor operational?	Cee	
Compressor hours.	2871.0	Hours
Oil level checked?	Yes	No
Oil level changed?	Yes	(B)
Compressor trap operating?	OB	No '
Regulator operating?	(Yes)	No
Air lines performing properly?	(Yes)	No

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

Recovery and Disposal		
Recovery from DNAPL Drum Pure DNAPL to disposal drum. DNAPL/water to disposal drum. DNAPL/water to oil/water separator.	01 02 03	Gallons Gallons Gallons
Recovery from Oil/Water Separator Pure DNAPL to disposal drum. DNAPL/water to disposal drum.	(0.0 (0.0	Gallons Gallons
Product, Carbon, Waste Storage DNAPL drums on-site (full and fractional)	3	Drums
Spent carbon drums PPE/Solids drums LNAPL drums	3	Drums Drums Drums
Drums labeled? Drums palletized?	Ces Ces	No No

Notes: Grimary Carbon drum
loaking upon arrival. I.d was
inspected freplaced and tightened.
No leaks upon departure.

DNAPL System		
Operational upon arrival?	(Yes)	No
DNAPL pump pressure (arrival)	22.0	PSI
DNAPL pump pressure (departure)	22.0	PSI
Pneumatic settings adjusted?	Yes	(NO)
Discharge control setting (departure)	*	Arrow
Refill control setting (departure)	₩	Апом
DNAPL Drum		
High level shut off operational?	Ves	No
Green warning light operational?	Ves	No
DNAPL drum container integrity.	(Good)	Poor
Leaks present?	Yes	(M)
Decant valve integrity.	Good	Poor
DNAPL Pump and Piping		
DNAPL piping integrity.	Good	Poor
DNAPL pump cleaned?	Yes	(N)
DNAPL top of pump depth.	NA	Feet

LNAPL/Groundwater System		
Operational upon arrival?	Yes	No
LNAPL pump pressure (arrival)	35,0	PSI
LNAPL pump pressure (departure)	35,0	PSI
Bubbler tube operating pressure.	7.0	PSI
Pneumatic settings adjusted?	Yes	₹
Discharge control setting (departure)	1	Апом
Refill control setting (departure)	4	Апом
LNAPL Pump and Piping		
LNAPL piping integrity.	(G609)	Poor
LNAPL pump cleaned?	Yes	(N₀)
LNAPL top of pump depth.	MA	Feet
Oil/Water Separator		
Water high level shut-off operational?	Yes	No
White warning light operational?	Yes	No
Separator vessel integrity.	(G04)	Poor
Leaks present?	Yes	(No)
Separator cover and seal integrity.	Good	Poor
Decant valve integrity.	Good	Poor
LNAPL in separator?	Yes	®
Separator needs cleaning?	Yes	©
Separator cleaned?	Yes	(No)

Technician:	DA			
Date:	06/29	04		

LNAPL/Groundwater System - (Continued)		
Transfer Pump and Piping		
Pump operational?	(Yes)	No
Pump integrity.	Ciaco	Poor
Flow meter operational?	(Vg)	. No
Transfer pump flow rate.	7.98	GPM
Totalizer reading (cumulative volume).	63914.8	Gallons
Water filters changed?	(Yes)	No
Filter unit pressure (arrival/departure)	16/8.0	PSI
	1	
Carbon Treatment Drums		
Primary carbon drum integrity.	(Good)	Poor
Primary carbon drum leaks?	Yes	(No)
Primary carbon drum pressure.	5.0	PSI
Primary carbon removed for disposal?	Yes	CNO
Secondary carbon drum rotated to primary?	Yes	(Mo
New carbon placed in primary drum?	Yes	(6Ng
Secondary carbon drum integrity.	(GGG)	Poor
Secondary carbon drum leaks?	Yes	(No)
Secondary carbon drum pressure.	0.0	PSI
Secondary carbon removed for disposal?	Yes	₩ ₀
Polishing drum rotated to secondary?	Yes	₩
New carbon placed in secondary drum?	Yes	₩ 0
Polishing carbon drum integrity.	(Cega)	Poor
Polishing carbon drum leaks?	Yes	(No)
Polishing carbon drum pressure.	NA	PSI
Polishing carbon removed for disposal?	Yes	Œ0
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?	∠Ϋ́es .	No
Pipe integrity at creek.	Seed	Poor
Pipe at creek clear?	(Yes/	No

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

Delivered	′ 3	cases	
		7.40	

Miscellaneous - (Continued)		
Access Vaults		
Overall vault integrity.	Good	Poor
Repairs needed to vaults?	Yes	(No)
Air Compressor	-	
Compressor operational?	(Yes)	No
Compressor hours.	J882 5	Hours
Oil level checked?	S	No
Oil level changed?	Yes	(30)
Compressor trap operating?	(Tes	No
Regulator operating?	V	No
Air lines performing properly?	Yes	No

Sampling		
Primary carbon influent sampled?	(Yes)	No
Primary carbon effluent sampled?	Œ8	(No
Secondary carbon effluent sampled?	Yes	No
Compliance event?	YES	No
Time sampled.	1330	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.	0.0	Gallons Gallons Gallons
Recovery from Oil/Water Separator Pure DNAPL to disposal drum. DNAPL/water to disposal drum.	0.0 0.0	Gallons Gallons
Product, Carbon, Waste Storage DNAPL drums on-site (full and fractional) Spent carbon drums PPE/Solids drums LNAPL drums	3 2 3 3	Drums Drums Drums Drums
Drums labeled? Drums palletized?	(Yes)	No No

5 /	10		
Notes:	ORUM	> _	1 1

PUMPED 23 Drums OF HZO
Through System.

TOTAL of 18 Drums temoved
From Disposal - Staged behind
Shed Solins In Drums consolidate

DNAPL System		
Operational upon arrival?	Yểs	No
DNAPL pump pressure (arrival)	22	PSI
DNAPL pump pressure (departure)	33	PSI
Pneumatic settings adjusted?	Yes	(M2)
Discharge control setting (departure)	1	Arrow
Refill control setting (departure)	4	Апоw
DNAPL Drum		
High level shut off operational?	Yes	No
Green warning light operational?	Yes	No
DNAPL drum container integrity.	(66g)	Poor
Leaks present?	Yes	(No)
Decant valve integrity.	Good	Poor
DNAPL Pump and Piping		
DNAPL piping integrity.	C	Poor
DNAPL pump cleaned?	Yes	(KD)
DNAPL top of pump depth.	114	Fcet

	LNAPL/Groundwater System		
١	Operational upon arrival?	Yes	No
١	LNAPL pump pressure (arrival)	35~	PSI
l	LNAPL pump pressure (departure)	35	PSI
ı	Bubbler tube operating pressure.	7.0	PSI
1	Pneumatic settings adjusted?	Yes	(€)
۱	Discharge control setting (departure)	<u>^</u>	Arrow
١	Refill control setting (departure)		Arrow
ı			
١	LNAPL Pump and Piping		
١	LNAPL piping integrity.	@@>	Poor
١	LNAPL pump cleaned?	Yes	هٰ™
١	LNAPL top of pump depth.	NA	Feet
ı		-	
1	Oil/Water Separator	45	
١	Water high level shut-off operational?	(Year	No
١	White warning light operational?	₹ Ç	No
١	Separator vessel integrity.	Good	Poor
1	Leaks present?	Yes	(B)
١	Separator cover and seal integrity.	(J00)	Poor
	Decant valve integrity.	Cood	Poor
١	LNAPL in separator?	Yes	™
١	Separator needs cleaning?	Yes	QZ3
1	Separator cleaned?	Yes	(No)

Technician:	2H	:	
Date:	7/02/04		-

Table 4-1

Transfer Pump and Pipmg Pump operational? Pump integrity. Flow meter operational? Transfer pump flow rate. Totalizer reading (cumulative volume). Water filters changed? Filter unit pressure (arrival/departure) Carbon Treatment Drums Primary carbon drum integrity. Primary carbon drum pressure. Primary carbon drum pressure. Primary carbon drum pressure. Primary carbon drum rotated to primary? New carbon placed in primary drum? No Good Poor All Carbon Treatment Drums Poor Poor Yes PSI Poor Poor Yes PSI Poor Poor Yes PSI Poor Poor Yes PSI Poor Poor Poor Yes PSI Poor Poor Poor Poor Poor Poor Poor Poor	Good Poor No GPM Gallons Yes V/2 PSI Good Poor Yes PSI Yes Yes Yes
Pump operational? Pump integrity. Flow meter operational? Transfer pump flow rate. Totalizer reading (cumulative volume). Water filters changed? Filter unit pressure (arrival/departure) Carhon Treatment Drums Primary carbon drum integrity. Primary carbon drum pressure. Primary carbon drum pressure. Primary carbon drum pressure. Primary carbon drum rotated to primary? New carbon placed in primary drum? No Good Poor Poor Poor Poor Poor Poor Poor P	Good Poor No GPM Gallons Yes V/2 PSI Good Poor Yes PSI Yes Yes Yes
Pump integrity. Flow meter operational? Transfer pump flow rate. Totalizer reading (cumulative volume). Water filters changed? Filter unit pressure (arrival/departure) Carhon 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? Poor Poor Yes No Poor Poor Yes No Poor Yes No Yes No Yes No Yes No Yes No No No Poor Poor Poor Poor Yes No Yes No Yes No No No Poor Poor Poor Yes No Yes No No No No No No Poor Poor Poor Yes No Poor Yes No No No No No Poor Yes No No No No No Poor Yes No No No No No No No No No N	Good Poor No GPM Gallons Yes V/2 PSI Good Poor Yes PSI Yes Yes Yes
Flow meter operational? Transfer pump flow rate. Totalizer reading (cumulative volume). Water filters changed? Filter unit pressure (arrival/departure) 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? No GPM Gallons Yes No Poor Poor Yes PSI Yes No No Yes No No Yes No	Yes No GPM Gallons Yes No PSI Good Poor Yes No PSI Yes No PSI Yes No PSI
Transfer pump flow rate. Totalizer reading (cumulative volume). Water filters changed? Filter unit pressure (arrival/departure) 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? GPM Gallons Yes No Poor Yes No No Yes No No No Yes No No No No No No No No No N	GPM Gallons Yes PSI Good Poor Yes PSI Yes Yes Yes
Totalizer reading (cumulative volume). Water filters changed? 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 Poor Yes Poor Yes No	Yes (No) PSI (Good Poor Yes (No) Yes (No) Yes (No) Yes (No) Yes (No) Yes (No)
Water filters changed? 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? Yes Oo Poor Poor Yes No Yes Oo Poor Yes Ves Oo Poor Yes Oo Oo Poor Yes Oo Oo Poor Yes Oo Oo Poor Yes Oo Oo Oo Oo Oo Oo Oo Oo Oo O	PSI Poor Poor
Filter unit pressure (arrival/departure) Carbon Treatment Drums Primary carbon drum integrity. Primary carbon drum leaks? Primary carbon drum pressure. Primary carbon drum pressure. Primary carbon removed for disposal? Secondary carbon drum rotated to primary? New carbon placed in primary drum? PSI Poor Yes PSI PSI PSI PSI PSI Yes So So No Yes So So No Yes So So No Yes So No No No No Poor Yes No Poor Poor Poor Yes No Poor Yes No Poor Poor Poor Yes No No Poor Poor Yes No Poor Poor Poor Poor Yes No No Poor Poor Poor Yes No Poor Poor Poor Poor Yes No No Poor Poor Poor Poor Yes No No Poor Poor Yes No No Poor Poor Poor Poor Yes No No No Poor Poor Poor Poor Yes No No No Poor Poor Poor Poor Poor Poor Poor Poor Poor Yes No No No Poor P	Yes Poor Yes PSI Yes Yes
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? Poor Yes PSI Yes Now Yes Yes Yes Yes	Yes No PSI Yes No Yes
Primary carbon drum integrity. Primary carbon drum leaks? Primary carbon drum pressure. Primary carbon drum pressure. Primary carbon removed for disposal? Secondary carbon drum rotated to primary? New carbon placed in primary drum? Poor Yes PSI Yes No Yes To	Yes No PSI Yes No Yes
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? Yes Yes Yes Yes Yes	Yes No PSI Yes No Yes
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? Yes Yes Yes You Yes Yes You Yes	Yes No
Primary carbon drum pressure. Primary carbon removed for disposal? Secondary carbon drum rotated to primary? New carbon placed in primary drum? PSI Yes Yes Yes Yes	Yes No
Secondary carbon drum rotated to primary? New carbon placed in primary drum? Yes Yes	Yes Alo
New carbon placed in primary drum? Yes	
	Yes 🚱
	in la
	1
Secondary carbon drum integrity. Good; Poor	Good; Poor
Secondary carbon drum leaks?	Yes The
Secondary carbon drum pressure. /, C PSI	7. © PSI
Secondary carbon removed for disposal? Yes	Yes (N)
Polishing drum rotated to secondary? Yes	Yes (N)
New carbon placed in secondary drum?	Yes K
Polishing carbon drum integrity. Good Poor	Good Poor
Polishing carbon drum leaks? Yes No	
Polishing carbon drum pressure.	
Polishing carbon removed for disposal? Yes	Yes (No
New carbon placed in primary drum? Yes	Yes (NO)
Discharge Piping	
Pipe integrity in shed. Poor	Good Poor
Pipe integrity at catch basin.	Cool Poor
Pipe at catch basin clear?	Yes No
Pipe integrity at creek. Poor	
Pipe at creek clear? (Yes) No	(Yes) No

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

Site Visit Checklist/Data Sheet

Miscellaneous - (Continued)				
Access Vaults				
Overall vault integrity.	⟨Good ⟩	Poor		
Repairs needed to vaults?	Yes	₹ ®		
Air Compressor				
Compressor operational?	(Yes)	No		
Compressor hours.	2885.9	Hours		
Oil level checked?	₹ ES	No		
Oil level changed?	Yes	(No)		
Compressor trap operating?	(E)	No		
Regulator operating?	P	No		
Air lines performing properly?	Yes	No		

Sampling		
Primary carbon influent sampled?	€	(m)
Primary carbon effluent sampled?	Yes	(M)
Secondary carbon effluent sampled?	Yes	(NO)
Compliance event?	Yes	(N)
Time sampled.	NA	a.m./p.m.
Product sampled?	Yes	No _

Recovery and Disposal		
Recovery from DNAPL Drum		Gallons
Pure DNAPL to disposal drum.	0.0	
DNAPL/water to disposal drum.	0.0	Gallons
DNAPL/water to oil/water separator.	0.0	Gallons
Recovery from Oil/Water Separator		
Pure DNAPL to disposal drum.	0,0	Gallons
DNAPL/water to disposal drum.	0.0	Gallons
Product, Carbon, Waste Storage		
DNAPL drums on-site (full and fractional)	3	Drums
Spent carbon drums	2	Drums
PPE/Solids drums	2	Drums
LNAPL drums	0	Drums
Drums labeled?	(**)	No
Drums palletized?	(Fes)	No

Notes: # of Drums listed in
"Waste Storage" is the number
generated from the remediation
system (closs not include drilling).

<u>Table 4-1</u>

Former Gastown Manufactured Gas Plant Site

DNAPL System		
Operational upon arrival?	Ves	No
DNAPL pump pressure (arrival)	35.0	PSI
DNAPL pump pressure (departure)	25.0	PSI
Pneumatic settings adjusted?	Yes	MO
Discharge control setting (departure)	~	Arrow
Refill control setting (departure)	4	Arrow
DNAPL Drum High level shut off operational? Green warning light operational? DNAPL drum container integrity. Leaks present? Decant valve integrity.	हीज़ होज़िल	No No Poor No Poor
DNAPL Pump and Piping DNAPL piping integrity.	€	Poor
DNAPL pump cleaned?	Yes	(No
DNAPL top of pump depth.	NA	Feet

LNAPL/Groundwater System		
Operational upon arrival?	(Yes)	No
LNAPL pump pressure (arrival)	35.0	PSI
LNAPL pump pressure (departure)	<i>35</i> .0	PSI
Bubbler tube operating pressure.	7.0	PSI
Pneumatic settings adjusted?	Yes	(No)
Discharge control setting (departure)	1	Arrow
Refill control setting (departure)	V	Arrow
LNAPL Pump and Piping		
LNAPL piping integrity.	Good	Poor
LNAPL pump cleaned?	Yes	₩
LNAPL top of pump depth.	NA.	Feet
Oil/Water Separator		
Water high level shut-off operational?	(Teg	No
White warning light operational?	(Ves)	No
Separator vessel integrity.	Good	Poor
Leaks present?	Yes	(M)
Separator cover and seal integrity.	Con C	Poor
Decant valve integrity.	Good	Poor
LNAPL in separator?	Yes	(Ng)
Separator needs cleaning?	Yes	₩.
Separator cleaned?	Yes	(No)

Technician	::	\mathcal{M}		
Date:	<u> </u>	109/04		
	-		 	

LNAPL/Groundwater System - (Continued)		
Transfer Pump and Piping		
Pump operational?	(Yes)	No
Pump integrity.	(God)	Poór
Flow meter operational?	(Yes)	No
Transfer pump flow rate.	8.6/	GPM
Totalizer reading (cumulative volume).	63103.2	Gallons
Water filters changed?	Yes	N
Filter unit pressure (arrival/departure)	1100/11/05	PSI
	11/3/1/3	
Carbon Treatment Drums	•	
Primary carbon drum integrity.	(00d)	Poor
Primary carbon drum leaks?	Yes	4
Primary carbon drum pressure.	60	PSI
Primary carbon removed for disposal?	Yes	(No)
Secondary carbon drum rotated to primary?	Yes	(NG)
New carbon placed in primary drum?	Yes	No
Secondary carbon drum integrity.	Góod	Poor
Secondary carbon drum leaks?	Yes	€ 1
Secondary carbon drum pressure.	1.0	PSI
Secondary carbon removed for disposal?	Yes	(N)
Polishing drum rotated to secondary?	Yes	ۯ.
New carbon placed in secondary drum?	Yes	Ñ
	-67	
Polishing carbon drum integrity.	Good	Poor
Polishing carbon drum leaks?	Yes	₩
Polishing carbon drum pressure.	NA	PSI
Polishing carbon removed for disposal?	Yes	OP.
New carbon placed in primary drum?	Yes	(No)
<u>Discharge Piping</u>		
Pipe integrity in shed.	G094 >	Poor
Pipe integrity at catch basin.	Com	Poor
Pipe at catch basin clear?	(Yes)	No
Pipe integrity at creek.	Good	Poor
Pipe at creek clear?	(Yes)	No

Miscellaneous		
Building and Site		1 1
Remediation shed integrity.	Goud	Poor
Shed ventilation acceptable?	(Tee)	No
Repairs/work needed?	Yes	(NO)
Spill evidence?	Yes	(No)
그리 그는 그는 병원 하게 받네		
Electrical and Heating		
Electric controls operational	(Yes)	No
Heater operational	(Yes)	No

Miscellaneous - (Continued)	ta está inclui	·
Access Vandts		
Overall vault integrity.	(m)	Poor
Repairs needed to vaults?	Yes	(Mo)
Air Compressor		
Compressor operational?	Yes	No
Compressor hours.	2887.2	Hours
Oil level checked?	(S)	No
Oil level changed?	Yes	(NO)
Compressor trap operating?	@	No
Regulator operating?	E	No
Air lines performing properly?	(Yes)	No

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

Recovery and Disposal		
Recovery from DNAPL Drum		
Pure DNAPL to disposal drum.	0.0	Gallons
DNAPL/water to disposal drum.	0.2	Gailons
DNAPL/water to oil/water separator.	0.4	Gallons
Recovery from Oil/Water Separator	1 × 1	
Pure DNAPL to disposal drum.	0.0	Gallons
DNAPL/water to disposal drum.	0.0	Gallons
Product, Carbon, Waste Storage	71.	
DNAPL drums on-site (full and fractional)	3	Drums
Spent carbon drums	· J	Drums
PPE/Solids drums	à	Drums
LNAPL drums	0	Drums
Drums labeled?	(Yes)	No
Drums palletized?	(Yes)	No

Notes: Tightened Lock ring in primary carbon vessel.
Removed trash from shed.

DNAPL System		
Operational upon arrival?	(Tes)	No
DNAPL pump pressure (arrival)	20	PSI
DNAPL pump pressure (departure)	20	PSI
Pneumatic settings adjusted?	Yes	(B)
Discharge control setting (departure)	*	Arrow
Refill control setting (departure)	i	Arrow
DNAPL Drum	-	
High level shut off operational?		No
Green warning light operational?	(FE)	No
DNAPL drum container integrity.	@@	Poor
Leaks present?	Yes	(A)
Decant valve integrity.	Good	Poor
DNAPL Pump and Piping	<u> </u>	
DNAPL piping integrity.	(COD)	Poor
DNAPL pump cleaned?	Yes	
DNAPL top of pump depth.	JUH	Fcet

LNAPL/Groundwater System		. I was to be
Operational upon arrival?	(Yes)	No
LNAPL pump pressure (arrival)	25	PSI
LNAPL pump pressure (departure)	25	PSI
Bubbler tube operating pressure.	7.0	PSI
Pneumatic settings adjusted?	Yes	- €9•
Discharge control setting (departure)	1	Arrow
Refill control setting (departure)	₩	Arrow
LNAPL Pump and Piping		
LNAPL piping integrity.	Good	Poor
LNAPL pump cleaned?	Yes	(A)
LNAPL top of pump depth.	NA	Feet
Oil/Water Separator		
Water high level shut-off operational?	(E)	No
White warning light operational?	(B)	No
Separator vessel integrity.	C000	Poor
Leaks present?	Yes	(M)
Separator cover and seal integrity.	Cood	Poor
Decant valve integrity.	Comp	Poor
LNAPL in separator?	Yes	QN3
Separator needs cleaning?	Yes	Ø
Separator cleaned?	Yes	(2)

Technician:	DH			
Date:		7114	p4	

Table 4-1

LNAPL/Groundwater System - (Continued) ₍₁ (1) (1)	
Transfer Pump and Piping		
Pump operational?	(B)	No
Pump integrity.	(JOOD)	Poor
Flow meter operational?	(Tes)	No
Transfer pump flow rate. 7.89		GPM
Totalizer reading (cumulative volume).	69724.2	Gallons
Water filters changed?	Yes	B
Filter unit pressure (arrival/departure)	13/13	PSI
Carbon Treatment Drums		
Primary carbon drum integrity.	Good	Poor
Primary carbon drum leaks?	(YES)	No
Primary carbon drum pressure.	6.0	PSI
Primary carbon removed for disposal?	Yes	QE
Secondary carbon drum rotated to primary?	Yes	(Re)
New carbon placed in primary drum?	Yes	1
Secondary carbon drum integrity.	Good	Poor
Secondary carbon drum leaks?	Yes	@
Secondary carbon drum pressure.	1.0	PSI
Secondary carbon removed for disposal?	Yes	(Ro
Polishing drum rotated to secondary?	Yes	€
New carbon placed in secondary drum?	Yes	6
Polishing carbon drum integrity.	(Ga)	Poor
Polishing carbon drum leaks?	Yes	(X)
Polishing carbon drum pressure.	NA	PSI
Polishing carbon removed for disposal?	Yes	Ø₽
New carbon placed in primary drum?	Yes	(Mo)
Discharge Piping		
Pipe integrity in shed.	Good	Poor
Pipe integrity at catch basin.	(GGD)	Poor
Pipe at catch basin clear?	P	No
Pipe integrity at creek.	6	Poor
Pipe at creek clear?	(YES)	No

Miscellaneous		
Building and Site		
Remediation shed integrity.	C600	Poor
Shed ventilation acceptable?	(Tee)	No
Repairs/work needed?	Yes	(N)
Spill evidence?	Yes	®
Electrical and Heating		
Electric controls operational	₹	No
Heater operational	Yes	No

Miscellaneous - (Continued)			
Access Vaults			
Overall vault integrity.	6	Poor	
Repairs needed to vaults?	Yes	®	
Air Compressor			
Compressor operational?	E	No	
Compressor hours.	2892.6	Hours	
Oil level checked?	(E)	No	
Oil level changed?	Yes	™	
Compressor trap operating?	(B)	No	
Regulator operating?	©	No	
Air lines performing properly?	(Pes)	No	

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

Recovery and Disposal		
Recovery from DNAPL Drum		
Pure DNAPL to disposal drum.	0.0	Gallons
DNAPL/water to disposal drum.	0.0	Gallons
DNAPL/water to oil/water separator.	0.0	Gallons
생물은 성공은 일반 기계하여 기원들이다.		
Recovery from Oil/Water Separator		
Pure DNAPL to disposal drum.	0.0	Gallons
DNAPL/water to disposal drum.	0.0	Gallons
	1.05	
Product, Carbon, Waste Storage	14 1 14	
DNAPL drums on-site (full and fractional)	3	Drums
Spent carbon drums	<u>ي</u>	Drums
PPE/Solids drums	2	Drums
LNAPL drums	0	Drums
Drums labeled?	(F)	No
Drums palletized?	reg	No

Notes: Observed System for proper operation. Bleed off air from Filter housing.

Primary Carbon vessel needs repair/replacing.

DNAPL System		
Operational upon arrival?	Tes	No
DNAPL pump pressure (arrival)	21.0	PSI
DNAPL pump pressure (departure)	21.0	PSI
Pneumatic settings adjusted?	Yes	(Re)
Discharge control setting (departure)	4	Arrow
Refill control setting (departure)	-¥	Arrow
DNAPL Drum		
High level shut off operational?	Yes	No
Green warning light operational?	(Tes)	No
DNAPL drum container integrity.	Geog)	Poor
Leaks present?	Yes	No
Decant valve integrity.	Good	Poor
DNAPI. Pump and Piping		
DNAPL piping integrity.	(Good)	Poor
DNAPL pump cleaned?	Yes	(No)
DNAPL top of pump depth.	N/A	Fcet

LNAPL/Groundwater System		
Operational upon arrival?	Pes	No
LNAPL pump pressure (arrival)	35.0	PSI
LNAPL pump pressure (departure)	35.0	PSI
Bubbler tube operating pressure.	7,0	PSI
Pneumatic settings adjusted?	Yes	(No)
Discharge control setting (departure)	X	Arrow
Refill control setting (departure)	#	Arrow
	1.	
LNAPL Pump and Piping		
LNAPL piping integrity.	Good	Poor
LNAPL pump cleaned?	Yes	(1/0)
LNAPL top of pump depth.	<i>NA</i>	Feet
Qil/Water Separator		
Water high level shut-off operational?	(Fig.)	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	CNO.
Separator needs cleaning?	Yes	
Separator cleaned?	Yes	(No)

Technician:_	OH		:
_	77	27/11	
Date:	<u> </u>	<u> </u>	

LNAPL/Groundwater System - (Continued)			
Transfer Pump and Piping Pump operational? Pump integrity. Flow incter operational? Transfer pump flow rate. Totalizer reading (cumulative volume). Water filters changed? Filter unit pressure (arrival/departure)	19 19 19 19 19 19 19 19 19 19 19 19 19 1	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 De si De se d	
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? Polishing carbon drum integrity. Polishing carbon drum leaks? Polishing carbon drum pressure. Polishing carbon removed for disposal? New carbon placed in primary drum?	Yes	Poor (2)	
Discharge Piping Pipe integrity in shed. Pipe integrity at catch basin. Pipe at catch basin clear? Pipe integrity at creek. Pipe at creek clear?	G B B B E	Poor Poor No Poor No	

Miscellaneous		
Building and Site Remediation shed integrity. Shed ventilation acceptable? Repairs/work needed?	Good Yes	Poor No No
Spill evidence?	Yes	No
Electrical and Heating		
Electric controls operational	(Tree	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.	2895.8	Hours
Oil level checked?	(Tes)	No
Oil level changed?	Yes	₹
Compressor trap operating?	(TE)	No
Regulator operating?	(Yes)	No
Air lines performing properly?	(Fest)	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.	NA	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.	0.0	Gallons Gallons Gallons
Recovery from Oil/Water Separator Pure DNAPL to disposal drum. DNAPL/water to disposal drum.	0.0	Gallons Gallons
Product, Carbon, Waste Storage DNAPL drums on-site (full and fractional) Spent carbon drums PPE/Solids drums LNAPL drums	3 3 3	Drums Drums Drums Drums
Drums labeled? Drums palletized?	(es)	No No

Remove I disassemble / Clean / Repair
Regulators at well head. Blow out
DNAPL Line (with compressor).
Observe System and Complete
Site check.

DNAPL System		
Operational upon arrival?	(Tex)	No
DNAPL pump pressure (arrival)	22.0	PSI
DNAPL pump pressure (departure)	21.0	PSI
Pneumatic settings adjusted?	Yes	₫©
Discharge control setting (departure)	^:	Аптом
Refill control setting (departure)	V	Arrow
DNAPL Drum		
High level shut off operational?	(P)	No
Green warning light operational?	(Per	No
DNAPL drum container integrity.	660	Poor
Leaks present?	Yes	(Ro)
Decant valve integrity.	G000	Poor
DNAPI. Pump and Piping		
DNAPL piping integrity.	(C609)	Poor
DNAPL pump cleaned?	Yes	N ₀
DNAPL top of pump depth.	NA	Fcet

LNAPL/Groundwater System		
Operational upon arrival?	Yes	No
LNAPL pump pressure (arrival)	35.0	PSI
LNAPL pump pressure (departure)	45.0	PSI
Bubbler tube operating pressure.	70	PSI
Pneumatic settings adjusted?	Yes	₩
Discharge control setting (departure)		Апоw
Refill control setting (departure)	4	Алоw
LNAPL Pump and Piping		-
LNAPL piping integrity	Good	Poor
LNAPL pump cleaned?	Yes	₹\$Po
LNAPL top of pump depth.	NA	Fcet
Oil/Water Separator		
Water high level shut-off operational?	de	No
White warning light operational?	(Fes	No
Separator vessel integrity.	Good	Poor
Leaks present?	Yes	M
Separator cover and seal integrity.	Goed	Poor
Decant valve integrity.	(Good)	Poor
LNAPL in separator?	Yes	(16)
Separator needs cleaning?	Yes	₩
Separator cleaned?	Yes	(F)

Technician:	DH	
Date:	07/30/04	
		

LNAPL/Groundwater System - (Continued)	***************************************	
Transfer Pump and Piping		
Pump operational?	(Yes	No
Pump integrity.	CG60d	Poor
Flow meter operational?	(Fes	No
Transfer pump flow rate.	785	GPM
Totalizer reading (cumulative volume).	6231.4	Gallons
Water filters changed?	Yes	€Sto
Filter unit pressure (arrival/departure)	15/15	PS1
Filler unit pressure (arrivarideparture)	1.3//2	
Carbon Treatment Drums		
Primary carbon drum integrity.	(000)	Poor
Primary carbon drum leaks?	Yes	No
Primary carbon drum pressure.	6.0	PSI
Primary carbon removed for disposal?	Yes	QV3
Secondary carbon drum rotated to primary?	Yes	Q (6)
New carbon placed in primary drum?	Yes	(g)
Secondary carbon drum integrity.	વ્યશ્રી	Poor
Secondary carbon drum leaks?	Yes	(NO)
Secondary carbon drum pressure.	1.0	PSI
Secondary carbon removed for disposal?	Yes	Ø5
Polishing drum rotated to secondary?	Yes	Q G
New carbon placed in secondary drum?	Yes	100
	GGF	Poor
Polishing carbon drum integrity.	Yes	(Sto
Polishing carbon drum leaks?	125	PSI
Polishing carbon drum pressure.	Yes	4 50
Polishing carbon removed for disposal?		_ ~
New carbon placed in primary drum?	Yes	16 0)
Disabassa Pining		
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 integrity at creek. Pipe at creek clear?	(GOOD)	No
ripe at creek clear?	(resj	140

Miscellaneous		
Building and Site Remediation shed integrity. Shed ventilation acceptable? Repairs/work needed? Spill evidence?	(rond) (Prince) Yes Yes	Poor No (No
Electrical and Heating Electric controls operational Heater operational	Age Cor	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?	769 7899.0 768 768 769 769	No Hours No No No

Sampling		
Primary carbon influent sampled?	Yes	dea
•	Yes	4
Primary carbon effluent sampled?		روي
Secondary carbon effluent sampled?	(19)	No
Compliance event?	YES	No
Time sampled.	1500	a.m./p.m.
Product sampled?	Yes	(M)

I Discord		
Recovery and Disposal		
Recovery from DNAPL Drum		
Pure DNAPL to disposal drum.	0.2	Gallons
DNAPL/water to disposal drum.	0.4	Gallons
DNAPL/water to oil/water separator.	60	Gallons
Recovery from Oil/Water Separator		
Pure DNAPL to disposal drum.	0.0	Gallons
DNAPL/water to disposal drum.	0.0	Gallons
Product, Carbon, Waste Storage		
DNAPL drums on-site (full and fractional)	3	Drums
Spent carbon drums	a a	Drums
PPE/Solids drums	a	Drums
LNAPL drums	9	Drums
Drums labeled?	(C)	No
Drums palletized?	(Cop)	No

System operational upon arrival and and collected system clute, and samples

<u>Table 4-1</u>

DNAPL System		
Operational upon arrival?	Yes	No
DNAPL pump pressure (arrival)	21.0	PSI
DNAPL pump pressure (departure)	21.0	PSI
Pneumatic settings adjusted?	Yes	(Na)
Discharge control setting (departure)	7	Arrow
Refill control setting (departure)	*	Arrow
DNAPL Drum High level shut off operational? Green warning light operational? DNAPL drum container integrity. Leaks present?	Yes Good Yes	No No Poot No
Decant valve integrity. DNAPL Pump and Piping	(dood)	Poor .
DNAPL piping integrity.	Coost	Poor
DNAPL pump cleaned?	Yes	No)
DNAPL top of pump depth.	NA	Feet

LNAPL/Groundwater System		
Operational upon arrival?	Yes	No
LNAPL pump pressure (arrival)	35.0	PSI
LNAPL pump pressure (departure)	35.0	PSI
Bubbler tube operating pressure.	7.0	PSI
Pneumatic settings adjusted?	Yes	(N18)
Discharge control setting (departure)	*	Апом
Refill control setting (departure)	*	Arrow
LNAPL Pump and Piping LNAPL piping integrity. LNAPL pump cleaned? LNAPL top of pump depth.	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?	EL COST PER SES	No No Poor No Poor Poor Poor No
Separator cleaned?	Yes	(No)

Technician:_	DH	EW		
Date:		08/06/0	4	

<u> </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.	626 /8.33	GPM
Totalizer reading (cumulative volume).	9477216	Gallons
Water filters changed?	(Yes)	No
Filter unit pressure (arrival/departure)	24/14	PSI
	7	
Carbon Treatment Drums		
Primary carbon drum integrity.	(1000)	Poor
Primary carbon drum leaks?	Yes	(No)
Primary carbon drum pressure.	6.0	PSI
Primary carbon removed for disposal?	Yes	No)
Secondary carbon drum rotated to primary?	Yes	No
New carbon placed in primary drum?	Yes	THE
·		
Secondary carbon drum integrity.	Good	Poor
Secondary carbon drum leaks?	Yes	(No)
Secondary carbon drum pressure.	1-0	PSI
Secondary carbon removed for disposal?	Yes	(No)
Polishing drum rotated to secondary?	Yes	(Na)
New carbon placed in secondary drum?	Yes	No
Polishing carbon drum integrity.	Good	Poor
Polishing carbon drum leaks?	Yes	No
Polishing carbon drum pressure.	NA	PSI
Polishing carbon removed for disposal?	Yes	(No)
New carbon placed in primary drum?	Yes	(No)
· ·	1	
Discharge Piping		7.
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	Poor No 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
Air Compressor Compressor operational? Compressor hours. Oil level checked? Oil level changed? Compressor trap operating? Regulator operating? Air lines performing properly?	YES YOLO YES YES YES	No Hours No (Ma) No No No

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

Recovery and Disposal		
Recovery from DNAPL Drum Pure DNAPL to disposal drum. DNAPLAvater to disposal drum.	0./	Gallons Gallons
DNAPL/water to oil/water separator. Recovery from Oil/Water Separator	58	Gallons
Pure DNAPL to disposal drum.	0.0	Gallons
DNAPL/water to disposal drum.	$\theta_i \mathcal{O}$	Gallons
Product, Carbon, Waste Storage	-3	Drums
DNAPL drums on-site (full and fractional)	3	Drums
Spent carbon drums PPE/Solids drums	7	Drums
LNAPL drums	0	Drums
Drums labeled?	Yes	No
Drums palletized?	Yes	No

Notes: Emptied DNAP	L drum (high)
level) Change	el Ho filter,
cleaned inside	

DNAPL System		
Operational upon arrival?	Yes	(NO)
DNAPL pump pressure (arrival)	0	PSI
DNAPL pump pressure (departure)	20.0	PSI
Pneumatic settings adjusted?	Yes	(A)
Discharge control setting (departure)	\	Агтоw
Refill control setting (departure)	7	Arrow
v	·	
DNAPL Drum		
High level shut off operational?	(Fes	No
Green warning light operational?	(Ve)	No
DNAPL drum container integrity.	Good	Poor
Leaks present?	(E)	No
Decant valve integrity.	(3000)	Poor
DNAPL Pump and Piping		
DNAPL piping integrity.	COUD	Poor
DNAPL pump cleaned?	Yes	(N)
DNAPL top of pump depth.	NA	Feet

LNAPL/Groundwater System		
Operational upon arrival?	€	No
LNAPL pump pressure (arrival)	35.0	PSI
LNAPL pump pressure (departure)	35.0	PSI
Bubbler tube operating pressure.	7.0	PSI
Pneumatic settings adjusted?	Yes	(Mg)
Discharge control setting (departure)	1	Arrow
Refill control setting (departure)	-	Arrow
LNAPI. Pump and Piping		
LNAPL piping integrity.	669	Poor
LNAPL pump cleaned?	Yes	ď⊅
LNAPL top of pump depth.	NA	Fcet
Oil/Water Separator		
Water high level shut-off operational?	res	No
White warning light operational?	Tres	No
Separator vessel integrity.		Poor
Leaks present?	Yes	0₹9
Separator cover and seal integrity.	COULD	Poor
Decant valve integrity.	COOD .	Poor
LNAPL in separator?	Yes	Œ
Separator needs cleaning?	Yes	Ø₽.
Separator cleaned?	Yes	O 2

Technician:	OH	
Date:	08/13/14	•
-	101	

LNAPL/Groundwater System - (Continued)	
Transfer Pump and Piping		
Pump operational?	(Yes)	No
Pump integrity.	C C C C C C C C C C C C C C C C C C C	Poor
Flow meter operational?	(Yes)	No
Transfer pump flow rate.	7.47	GPM
Totalizer reading (cumulative volume).	99502.4	Gallons
Water filters changed?	Yes	€
Filter unit pressure (arrival/departure)	13/13	PSI
Carbon Treatment Drums		
Primary carbon drum integrity.	@	Poor
Primary carbon drum leaks?	Yes	Ø
Primary carbon drum pressure.	5.0	PSI
Primary carbon removed for disposal?	Yes	B
Secondary carbon drum rotated to primary?	Yes	Ø%
New carbon placed in primary drum?	Yes	(Q)
Secondary carbon drum integrity.	CON .	Poor
Secondary carbon drum leaks?	Yes	(₩)
Secondary carbon drum pressure.	1.0	PSI
Secondary carbon removed for disposal?	Yes	_ <i>O</i>
Polishing drum rotated to secondary?	Yes	d No
New carbon placed in secondary drum?	Yes	(F)
Polishing carbon drum integrity.	REGORD	Poor
Polishing carbon drum leaks?	Yes	®
Polishing carbon drum pressure.	NA	PS1
Polishing carbon removed for disposal?	Yes	(SSA)
New carbon placed in primary drum?	Yes	A.
Discharge Piping		-
Pipe integrity in shed.	(M)	Poor
Pipe integrity at catch basin.	(C) (S) (A)	Poor
Pipe at catch basin clear?	(ME)	No
Pipe integrity at creek.	Gessa	Poor
Pipe at creek clear?	(Yes)	. No

Miscellaneous	7	
Building and Site Remediation shed integrity. Shed ventilation acceptable? Repairs/work needed?	COOD View Yes	Poor No
Spill evidence?	Yes	6
Electrical and Heating		
Electric controls operational	(€)	No
Heater operational	(Ares)	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?	2903.2 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.	NA	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.	0.1	Gallons Gallons Gallons
Recovery from Oil/Water Separator Pure DNAPL to disposal drum. DNAPL/water to disposal drum.	0.0	Gallons Gallons
Product, Carhon, Waste Storage DNAPL drums on-site (full and fractional) Spent carbon drums PPE/Solids drums LNAPL drums	3	Drums Drums Drums Drums
Drums labeled? Drums palletized?	(Yes)	No No

Notes:

High level a DNAPL Drum.

DNAPL System		
Operational upon arrival?	₩.	No
DNAPL pump pressure (arrival)	25	PSI
DNAPL pump pressure (departure)	25	PSI
Pneumatic settings adjusted?	Yes	ᠿᢧ
Discharge control setting (departure)	1	Апоw
Refill control setting (departure)	\checkmark	. Апоw
DNAPL Drum High level shut off operational? Green warning light operational? DNAPL drum container integrity. Leaks present? Decant valve integrity.	Cood Care	No No Poor
DNAPL Pump and Piping		
DNAPL piping integrity.	Good	Poor
DNAPL pump cleaned?	Yes	No
DNAPL top of pump depth.		Feet

f====		
LNAPL/Groundwater System		
Operational upon arrival?	(E)	No
LNAPL pump pressure (arrival)	32	PSI
LNAPL pump pressure (departure)	32	PSI
Bubbler tube operating pressure.	7.0	PSI
Pneumatic settings adjusted?	Yes	-65•
Discharge control setting (departure)	•	Arrow
Refill control setting (departure)	*	Arrow
LNAPL Pump and Piping		
LNAPL piping integrity.	1000	Poor
LNAPL pump cleaned?	Yes	®
LNAPL top of pump depth.	NA	Fcet
Oil/Water Separator		
Water high level shut-off operational?	Yes	No
White warning light operational?	res	No
Separator vessel integrity.	(600)	Poor
Leaks present?	Yes	(G)
Separator cover and seal integrity.	(GoD)	Poor
Decant valve integrity.	<u></u>	Poor
LNAPL in separator?	Yes	®
Separator needs cleaning?	Yes	(g)
Separator cleaned?	Yes	(No)

Technician:	W	
Date:	08/20/04	

<u>Table 4-1</u>

LNAPL/Groundwater System - (Continued)	T	
Transfer Pump and Piping	1	
Pump operational?	(Yes)	No
Pump integrity.		Poor
Flow meter operational?	Yes	No
Transfer pump flow rate.	7.85	GPM
Totalizer reading (cumulative volume).	103340	Gallons
Water filters changed?	Yes	⊘ >
Filter unit pressure (arrival/departure)	13.0	PSI
Carbon Treatment Drums	_	
Primary carbon drum integrity.	Good	Poor
Primary carbon drum leaks?	Yes	₩.
Primary carbon drum pressure.	7,0	PSI
Primary carbon removed for disposal?	Yes	O\$68 ⋅
Secondary carbon drum rotated to primary?	Yes	KG .
New carbon placed in primary drum?	Yes	10
Secondary carbon drum integrity.	.2650d	Poor
Secondary carbon drum leaks?	Yes	682
Secondary carbon drum pressure.	20	PSI
Secondary carbon removed for disposal?	Yes	\$€3
Polishing drum rotated to secondary?	Yes	100
New carbon placed in secondary drum?	Yes	160
Polishing carbon drum integrity.	<i>(</i> €€€	Poor
Polishing carbon drum leaks?	Yes	150
Polishing carbon drum pressure.	7/7	PSI
Polishing carbon removed for disposal?	Yes	188
New carbon placed in primary drum?	Yes	(A)
Diadawa Biring		
Discharge Piping		Poor
Pipe integrity in shed.		Poor
Pipe integrity at catch basin.		Poor No
Pipe at catch basin clear?	75	Poor
Pipe integrity at creek.	(S)	Poor No
Pipe at creek clear?		NO

Miscellaneous		
Building and Site Remediation shed integrity. Shed ventilation acceptable? Repairs/work needed? Spill evidence?	Yes	Poor No (56)
Electrical and Heating Electric controls operational Heater operational	Øs.	No No

Miscellaneous - (Continued)		
Access Vaults		1 _
Overall vault integrity.	(Good)	Poor
Repairs needed to vaults?	Yes	(No)
Air Compressor		
Compressor operational?	(Ye	No
Compressor hours.	2905.2	Hours
Oil level checked?	প্রে	No
Oil level changed?	Yes	₩ ®
Compressor trap operating?	< 500 €	No
Regulator operating?	Œ	No
Air lines performing properly?	₩	No

Sampling		
Primary carbon influent sampled?	Yes	452
Primary carbon effluent sampled?	Yes	(CD)
Secondary carbon effluent sampled?	Yes	8
Compliance event?	Yes] &
Time sampled.	in	a.m./p.m.
Product sampled?	Yes	(No.

Recovery and Disposal		
Recovery from DNAPL Drum		
Pure DNAPL to disposal drum.	0.0	Gallons
DNAPL/water to disposal drum.	700.0	Gallons
DNAPL/water to oil/water separator.	70.0	Gallons
Recovery from Oil/Water Separator		
Pure DNAPL to disposal drum.	0	Gallons
DNAPL/water to disposal drum.	0	Gallons
Product, Carbon, Waste Storage		
DNAPL drums on-site (full and fractional)	3	Drums
Spent carbon drums	2	Drums
PPE/Solids drums	a	Drums
LNAPL drums	Ð	Drums
Drums labeled?	©	No
Drums palletized?	YES	No

Notes: Emptied DULPL Drum and Shut off flow to Down at control box. Collected System data.

DNAPL System		
Operational upon arrival?	(Tes)	No
DNAPL pump pressure (arrival)	<i>3</i> 0	PSI
DNAPL pump pressure (departure)	30	PSI
Pneumatic settings adjusted?	Yes	€to
Discharge control setting (departure)	^	Апом
Refill control setting (departure)	¥	Апом
DNAPL Drum		
High level shut off operational?	OFE)	No
Green warning light operational?	(Tas	No
DNAPL drum container integrity.	466	(Prop
Leaks present?	Yes	₩
Decant valve integrity.	CIÓN P	Poor
DNAPL Pump and Piping		
DNAPL piping integrity.	600	Poor
DNAPL pump cleaned?	Yes	⊘ Na
DNAPL top of pump depth.	NR	Feet

LNAPL/Groundwater System		
Operational upon arrival?	(F)	No
LNAPL pump pressure (arrival)	<i>'5</i> 0	PSI
LNAPL pump pressure (departure)	30	PSI
Bubbler tube operating pressure.	7.0	PSI
Pneumatic settings adjusted?	Yes	(No
Discharge control setting (departure)	个	Arrow
Refill control setting (departure)	+	Апоw
LNAPL Pump and Piping		
LNAPL piping integrity.	COM	Poor
LNAPL pump cleaned?	Yes	অ ক
LNAPL top of pump depth.	NA	Feet
Oil/Water Separator		
Water high level shut-off operational?	(2)	No
White warning light operational?	€	No
Separator vessel integrity.	<u> </u>	Poor
Leaks present?	Yes	@
Separator cover and seal integrity.	4 000	Poor
Decant valve integrity.	(1)	Poor
LNAPL in separator?	Yes	(M)
Separator needs cleaning?	Yes	@
Separator cleaned?	Yes	(ED)

Technician:	D.H.	
Date:	03/27/04	

Table 4-1

LNAPL/Groundwater System - (Continued)		
Transfer Pump and Piping		
Pump operational?	(ED)	No
Pump integrity.	হেন্টেড ব	Poor
Flow meter operational?	(Tes	No
Transfer pump flow rate.	7.73	GPM
Totalizer reading (cumulative volume).	145369	Gallons
Water filters changed?	Yes	(A)
Filter unit pressure (arrival/departure)	13.0	PSI
Carbon Treatment Drums		
Primary carbon drum integrity.	₹ 000	Poor
Primary carbon drum leaks?	Yes	Ø₩.
Primary carbon drum pressure.	7.0	PSI
Primary carbon removed for disposal?	Yes	Ø
Secondary carbon drum rotated to primary?	Yes	₫3
New carbon placed in primary drum?	Yes	₩
Secondary carbon drum integrity.	Cook	Poor
Secondary carbon drum leaks?	Yes	Me>
Secondary carbon drum pressure.	フ. <i>ン</i>	PSI
Secondary carbon removed for disposal?	Yes	Q86
Polishing drum rotated to secondary?	Yes)AG
New carbon placed in secondary drum?	Yes	Ma
	1	-
Polishing carbon drum integrity.	(GOO)	Poor
Polishing carbon drum leaks?	Yes	™
Polishing carbon drum pressure.	1/1	PSI
Polishing carbon removed for disposal?	Yes	QF9
New carbon placed in primary drum?	Yes	Øĕ
<u>Discharge Piping</u>		
Pipe integrity in shed.	(Signal)	Poor
Pipe integrity at catch basin.	Cood	Poor
Pipe at eatch basin clear?	€ €	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?	(तिक्रिकी Yes Yes	Poor No (2)
Electrical and Heating Electric controls operational Heater operational	পুক্ত ভে	No No

Miscellaneous - (Continued)		
Access Vaults Overall vault integrity. Repairs needed to vaults?	Coods Yes	Poor
Air Compressor Compressor operational? Compressor hours. Oil level checked? Oil level changed? Compressor trap operating? Regulator operating? Air lines performing properly?	72 2406.0 Yes Yes GG	No Hours No No No No

Sampling		
Primary carbon influent sampled?	(XE)	No
Primary carbon effluent sampled?	(Ge	No
Secondary carbon effluent sampled?	Yes	⊘
Compliance event?	Otes?	√No
Time sampled.	1430	a.m./p.m.
Product sampled?	Yes	(1 80)

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

- 17	ot	

es: Performed Monthly Singling

DNAPL System		
Operational upon arrival?	(Yes)	No
DNAPL pump pressure (arrival)	20	PSI
DNAPL pump pressure (departure)	30	PSI
Pneumatic settings adjusted?	Yes	(N)
Discharge control setting (departure)	1	Arrow
Refill control setting (departure)	<i>k</i> .	Arrow
DNAPL Drum		
High level shut off operational?	প্রে	No
Green warning light operational?	ଫ୍ରନ୍ଥ	No .
DNAPL drum container integrity.	Circo	Choos
Leaks present?	Yes	420
Decant valve integrity.	Cional	Poor
DNAPI, Pump and Piping		
DNAPL piping integrity.	CC66न्ते	Poor
DNAPL pump cleaned?	Yes	€ N o
DNAPL top of pump depth.	NA	Feet

LNAPL/Groundwater System		
Operational upon arrival?	(Ye)	No
LNAPL pump pressure (arrival)	30	PSI
LNAPL pump pressure (departure)	10	PSI
Bubbler tube operating pressure.	7.0	PSI
Pneumatic settings adjusted?	Yes	OSB
Discharge control setting (departure)	4	Arrow
Refill control setting (departure)	1	Arrow
I.NAPL Pump and Piping LNAPL piping integrity. LNAPL pump cleaned?	Yes	Poor ON
LNAPL top of pump depth. Oil/Water Separator	NA	1 661
Water high level shut-off operational?	(Yes)	No
White warning light operational?	Œe} .	No
Separator vessel integrity.	CGG 3	Poor
Leaks present?	Yes	(Mg)
Separator cover and seal integrity.	Cong	Poor
Decant valve integrity.	G600	Poor
LNAPL in separator?	Yes	Ć ∑ Ja
Separator needs cleaning?	Yes	ayo
Separator cleaned?	Yes	(مالآل)

Technician:	OH	
Date:	9/3/04	

LNAPL/Groundwater System - (Continued)		
Transfer Pump and Pipmg		
Pump operational?	(Te)	No
Pump integrity.	(760d)	Poor
Flow meter operational?	(Yes	No
Transfer pump flow rate.	7.59	GPM
Totalizer reading (cumulative volume).	113404	Gallons
Water filters changed?	Yes	(N)
Filter unit pressure (arrival/departure)	14.9/14.4	PSI
	7	
Carbon Treatment Drums		
Primary carbon drum integrity.	(Cool)	Poor
Primary carbon drum leaks?	Yes	€ (No
Primary carbon drum pressure.	6.0	PSI
Primary carbon removed for disposal?	Yes	⊊R≨e
Secondary carbon drum rotated to primary?	Yes	(27)
New carbon placed in primary drum?	Yes	€ 6
Secondary carbon drum integrity.	Coodi	Poor
Secondary carbon drum leaks?	Yes	(R)
Secondary carbon drum pressure.	2.0	PSI
Secondary carbon removed for disposal?	Yes	END
Polishing drum rotated to secondary?	Yes	€60
New carbon placed in secondary drum?	Yes	€60
		,
Polishing carbon drum integrity.	(Q0)3	Poor
Polishing carbon drum leaks?	Yes	
Polishing carbon drum pressure.	NA	PSI
Polishing carbon removed for disposal?	Yes	
New carbon placed in primary drum?	Yes	(No
Donat and Burning		
Discharge Piping Pipe integrity in shed.	(৫৩০)	Poor
Pipe integrity at catch basin.	Gior	Poor
Pipe at catch basin clear?	OF GO	No.
Pipe integrity at creek	Good	Poor
Pipe at creek clear?	(Yes)	No.
Tiple at creek cieat.		110

Miscellaneous		
Building and Site Remediation shed integrity. Shed ventilation acceptable? Repairs/work needed? Spill evidence?	Yes Yes	Poor No (19)
Electrical and Heating Electric controls operational Heater operational	(Tax)	No No

Miscellaneous - (Continued)		4
Access Vaults		
Overall vault integrity.	(COO)	Poor
Repairs needed to vaults?	Yes	(N)
Air Compressor		
Compressor operational?	400	No
Compressor hours.	2908.6	Hours
Oil level checked?	A.	No
Oil level changed?	Yes	€
Compressor trap operating?	₩	No
Regulator operating?	(Yes	No
Air lines performing properly?	(FE)	No

Sampling		
Primary carbon influent sampled?	Yes	9856
Primary carbon effluent sampled?	Yes	9550 9550
Secondary carbon effluent sampled?	Yes	G
Compliance event?	Yes	_ ⊘
Time sampled.	NA	a.m./p.m.
Product sampled?	Yes	₹ Ø

Recovery and Disposal		
Recovery from DNAPL Drum	,	
Pure DNAPL to disposal drum.		Gallons
1		Gallons
DNAPL/water to oil/water separator.		Gallons
, ,	ļ	
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)	3	Drums
Spent carbon drums	2	Drums
PPE/Solids drums	2	Drums
LNAPL drums	0	Drums .
Drums labeled?	CCOS	No
Drums palletized?	25	No

Notes

Collected System duta and adjusted aus T-pumps flow pute. Yes

Yes.

Yes

Good

Yes

Good

Good

Yes

DNAPL System Operational upon arrival?

DNAPL Drum

Leaks present?

Decant valve integrity,

DNAPL Pump and Piping DNAPL piping integrity.

DNAPL pump cleaned?

NAPL top of pump depth.

DNAPL pump pressure (arrival) DNAPL pump pressure (departure) Pneumatic settings adjusted?

Discharge control setting (departure) Refill control setting (departure)

High level shut off operational?

Green warning light operational? DNAPL drum container integrity.

Table 4-1

No	
P SI	
PSI	
No	
Апоw	
Aπow	
No .	
No	
Poor	l
No	
Poor	1
Poor	ł
No	
Feet	

LNAPL/Groundwater System		
Operational upon arrival?	Yes	No
LNAPL pump pressure (arrival)	72	PSI
LNAPL pump pressure (departure)	27	PSI:
Bubbler tube operating pressure.	7	PSI
Pneumatic settings adjusted?	Yes	مولا
Discharge control setting (departure)	7	Апоw
Refill control setting (departure)	V	Апоw
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.	Góod	Poor
Decant valve integrity.	Good	Poor
LNAPL in separator?	Yes	(No)
Separator needs cleaning?	Yes	(No.
Separator cleaned?	Yes	(No)

Technician:	RK	-
Date: 9	10/04	

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.	7,32	GPM
Totalizer reading (cumulative volume).	116291	Gallons
Water filters changed?	Yes	(No)
Filter unit pressure (arrival/departure)	13	PSI
Carbon Treatment Drums		
Primary carbon drum integrity.	(Good)	Poor
Primary carbon drum leaks?	(Yes)	No
Primary carbon drum pressure.	7.0	PSI
Primary carbon removed for disposal?	Yes	(Ng)
Secondary carbon drum rotated to primary?	Yes	3
New carbon placed in primary drum?	Yes	(No
Secondary carbon drum integrity.	(Good)	Poor
Secondary carbon drum leaks?	Yes	(Na
Secondary carbon drum pressure.	2.0	PSI
Secondary carbon removed for disposal?	Yes	. O)
Polishing drum rotated to secondary?	Yes	(N)
New carbon placed in secondary drum?	Yes	No
Polishing carbon drum integrity.	(G664)	Poor
Polishing carbon drum leaks?	Yes	(No)
Polishing carbon drum pressure.	NA	PSI
Polishing carbon removed for disposal?	Yes	(Ma)
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?	(Ves)	No

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

Miscellaneous - (Continued)		,
Access Vaults	(6.1)	Poor
Overall vault integrity. Repairs needed to vaults?	(Good Yes	(NX)
Air Compressor		
Compressor operational?	(Yes)	No
Compressor hours.	2909.3	Hours
Oil level checked?	(Yes)	No
Oil level changed?	Yes	(No)
Compressor trap operating?	Yes	No
Regulator operating?	(és)	No
Air lines performing properly?	(Yes)	No

Sampling		
Primary carbon influent sampled?	Yes	(No)
Primary carbon effluent sampled?	Yes	88
Secondary carbon effluent sampled?	Yes	(A)
Compliance event?	Yes	1
Time sampled.	NA	a.m./p.m.
Product sampled?	Yes	(N)

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. Curbon, Waste Storage DNAPL drums on-site (full and fractional) Spent carbon drums PPE/Solids drums LNAPL drums	3 2 2 0	Drums Drums Drums Drums
Drums labeled? Drums palletized?	Yes Yes	No No

DNAPL System		
Operational upon arrival?	Yes	(No)
DNAPL pump pressure (arrival)	0.5	PSI
DNAPL pump pressure (departure)	0:0	PSI
Pneumatic settings adjusted?	Yes	No
Discharge control setting (departure)	*	Аптом
Refill control setting (departure)	V	Апоw
DNAPL Drum High level shut off operational? Green warning light operational? DNAPL drum container integrity. Leaks present? Decant valve integrity.	Yes Good	No No Poor
DNAPL Pump and Piping DNAPL piping integrity.	Good	Poor
DNAPL pump cleaned?	Yes	(No
DNAPL top of pump depth.	NA	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.	7.0	PSI
Pneumatic settings adjusted?	Yes	No
Discharge control setting (departure)	<u> </u>	Arrow
Refill control setting (departure)	į	Arrow
LNAPL Pump and Piping		
LNAPL piping integrity.	Good €	Poor
LNAPL pump cleaned?	Yes	(₹9
LNAPL top of pump depth.	NA	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.	CAROLLE .	Poor
Decant valve integrity.	Good	Poor
LNAPL in separator?	Yes	(NO)
Separator needs cleaning?	Yes	Sign
Separator cleaned?	Yes	(No)

Technician:	DH	
Date:	Mole	

LNAPL/Groundwater System - (Continued)		
Transfer Pump and Piping		
Pump operational?	Yes	No
Pump integrity.	Cood)	Poor
Flow meter operational?	(Yes)	No
Transfer pump flow rate.	7.85	GPM
Totalizer reading (cumulative volume).	122754	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.	6.0	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.	(G00d)	Роог
Secondary carbon drum leaks?	Yes	€No.
Secondary carbon drum pressure.	2.0	PSI
Secondary carbon removed for disposal?	Yes	QNo ·
Polishing drum rotated to secondary?	Yes	(No
New carbon placed in secondary drum?	Yes	Tro
Polishing carbon drum integrity.	Cinoil >	Poor
Polishing carbon drum leaks?	Yes	®
Polishing carbon drum pressure.		PSI
Polishing carbon removed for disposal?	Yes	ASSO
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	Роог
Pipe at creek clear?	(Yes)	No

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

Miscellaneous - (Continued)		
Access Vaults		
Overall vault integrity.	(0000)	Poor
Repairs needed to vaults?	Yes	(MO)
Air Compressor		
Compressor operational?	Yes	No
Compressor hours.	2910.7	Hours
Oil level checked?	(Yes)	. 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	(No)
Primary carbon effluent sampled?	Yes	(N)
Secondary carbon effluent sampled?	Yes	(No
Compliance event?	Yes	(N)
Time sampled.	NA	a.m./p.m.
Product sampled?	Yes	(No)

Recovery and Disposal		7
Recovery from DNAPL Drum	1/1/	
Pure DNAPL to disposal drum.	1	Gallons
DNAPL/water to disposal drum.	/ • /	Gallons
DNAPL/water to oil/water separator.		Gallons
Recovery from Oil/Water Separator	1/A	
Pure DNAPL to disposal drum.	70	Gallons
DNAPL/water to disposal drum.		Gallons
Product, Carbon, Waste Storage		
DNAPL drums on-site (full and fractional)	3	Drums
Spent carbon drums	2	Drums
PPE/Solids drums	2	Drums
LNAPL drums	0	Drums
Drums labeled?	Yes	QXQ
Drums palletized?	Yes	(6/A)

Notes: - Adjusted aws T-pump

DNAPL System		
Operational upon arrival?	(Yes)	No
DNAPL pump pressure (arrival)	G C	PSI
DNAPL pump pressure (departure)	Ø	PS1
Pneumatic settings adjusted?	Yes	(No)
Discharge control setting (departure)	1	Arrow
Refill control setting (departure)	\checkmark	Arrow
DNAPL Drum High level shut off operational? Green warning light operational? DNAPL drum container integrity. Leaks present? Decant valve integrity.	Good	No No Poor
DNAPL Pump and Piping DNAPL piping integrity. DNAPL pump cleaned?	Good- Yes	Poor
DNAPL top of pump depth.	1 14/4_	Feet

LNAPL/Groundwater System		
Operational upon arrival?	(Yes)	No
LNAPL pump pressure (arrival)	28.0	PSI
LNAPL pump pressure (departure)	26.0	PSI
Bubbler tube operating pressure.	7.0	PSI
Pneumatic settings adjusted?	Yes	(Na
Discharge control setting (departure)	*	Aitow
Refill control setting (departure)	1	Arrow
LNAPL Pump and Piping		
LNAPL piping integrity	Gond	Poor
LNAPL pump cleaned?	Yes	(Na
LNAPL top of pump depth.	NA	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.	€ God	Poor
Decant valve integrity.	Cood	Poor
LNAPL in separator?	Yes	(No)
Separator needs cleaning?	Yes	(80)
Separator cleaned?	Yes	No

Technician	DN/JK	
Date:	9.28.04	

<u>Table 4-1</u>

LNAPL/Groundwater System - (Continued)		
Transfer Pump and Piping		
Pump operational?	(Yes)	No
Pump integrity.	Qneq	Poor
Flow meter operational?	(Vgs	No
Transfer pump flow rate.	6.75	GPM
Totalizer reading (cumulative volume).	126375	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.	7.0	PSI
Primary carbon removed for disposal?	Yes	(No
Secondary carbon drum rotated to primary?	Yes	(Na
New carbon placed in primary drum?	Yes	No
Secondary carbon drum integrity. Secondary carbon drum leaks?	Citod Yes	Poor
Secondary carbon drum pressure.	2.0	PSI
Secondary carbon removed for disposal?	Yes	(Nex
Polishing drum rotated to secondary?	Yes	A40)
New carbon placed in secondary drum?	Yes	Ma
New Carbon placed in secondary drain.		0
Polishing carbon drum integrity.	Good	Poor
Polishing carbon drum leaks?	Yes	400
Polishing carbon drum pressure.	NA	PSI
Polishing carbon removed for disposal?	Ýes	No
New carbon placed in primary drum?	Yes	(OH
Discharge Piping		
Pipe integrity in shed.	Good	Роог
Pipe integrity at catch basin	Good	Poor
Pipe at catch basin clear?	(Yes)	No
Pipe integrity at creek.	(Stood)	Poor
Pipe at creek clear?	Yes	No

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

Site Visit Checklist/Data Sheet

Miscellaneous - (Continued)		
Access Vaults Overall vault integrity. Repairs needed to vaults?	Gibod Yes	Poor Nø
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

Sampling		
Primary carbon influent sampled?	Yes	No
Primary carbon effluent sampled?	Yes	(TO)
Secondary carbon effluent sampled?	Yes	No
Compliance event?	(Yes)	No
Time sampled.	1330	a.m./p.m.
Product sampled?	Yes	(Ng)

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		Drums
PPE/Solids drums		Drums
LNAPL drums		Drums
Drums labeled?	Yes	No
Drums palletized?	Yes	No

Notes: Performed Monthly Sampling

<u>Table 4-1</u>

Former Gastown Manufactured Gas Plant Site

DNAPL System		_>
Operational upon arrival?	Y.es	No
DNAPL pump pressure (arrival)		PSI
DNAPL pump pressure (departure)		PSI
Pneumatic settings adjusted?	Yes	No
Discharge control setting (departure)		Arrow
Refill control setting (departure)		Arrow
14		
DNAPL Drum		
High level shut off operational?	Yes	No
Green warning light operational?	(Yes)	No
DNAPL drum container integrity.	G000	Poor
Leaks present?	Yes	(₹6)
Decant valve integrity.	(G60d)	Poor
DNAPL Pump and Piping		
DNAPL piping integrity.	Good	Poor
DNAPL pump cleaned?	Yes	No
DNAPL top of pump depth.	NA	Feet

	LNAPL/Groundwater System		
١	Operational upon arrival?	Yes	No
١	LNAPL pump pressure (arrival)	property and	PSI
١	LNAPL pump pressure (departure)		PSI
١	Bubbler tube operating pressure:		PSI
1	Pneumatic settings adjusted?	Yes	No
١	Discharge control setting (departure)		Arrow
	Refill control setting (departure)		Arrow
١	LNAPL Pump and Piping	•	
١	LNAPL piping integrity.	Good	Poor
١	LNAPL pump cleaned?	Yes,	(No)
١	LNAPL top of pump depth.	TVX	Feet
1			
	Oil/Water Separator		
١	Water high level shut-off operational?	Yes	No
1	White warning light operational?	(YES)	No
	Separator vessel integrity.	Geod	Poor
	Leaks present?	Yes	(No.
l	Separator cover and seal integrity.	Good	Poor
ı	Decant valve integrity.	Go6d)	Poor
	LNAPL in separator?	Yes	ON60
1	Separator needs cleaning?	Yes	(No
ı	Separator cleaned?	Yes	(NO)

Technician:	_
Date: 11-5-04	 -

LNAPL/Groundwater System - (Continued)		
Transfer Pump and Piping		
Pump operational?	Yes	No
Pump integrity.	COOd	Poor
Flow meter operational?	(Yes)	No
Transfer pump flow rate.	363	GPM
Totalizer reading (cumulative volume).	138762	Gallons
Water filters changed?	Yes	No
Filter unit pressure (arrival/departure)	14.0/14.0	PSI
Tito, and prosonic (and care of an exp	11/19.0	
Carbon Treatment Drums		
Primary carbon drum integrity.	Good	Poor
Primary carbon drum leaks?	Yes	No
Primary carbon drum pressure.	3.0	PSI
Primary carbon removed for disposal?	Yes	(No)
Secondary carbon drum rotated to primary?	Yes	(AV8
New carbon placed in primary drum?	Yes	(M)
Secondary carbon drum integrity.	Good	Poor
Secondary carbon drum leaks?	Yes	- GVO
Secondary carbon drum pressure.	2.0	PSI
Secondary carbon removed for disposal?	Yes	≱46
Polishing drum rotated to secondary?	Yes	⊗ o.
New carbon placed in secondary drum?	Yes	160
Polishing carbon drum integrity.	Ciobal	Poor
Polishing carbon drum leaks?	Yes	₹ <u>₩</u>
Polishing carbon drum pressure.	NA	PSI
Polishing carbon removed for disposal?	Yes	CNO
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?	TOS	No
Pipe integrity at creek.	Grood	Poor
Pipe at creek clear?	Yes	No
ripe at creek creat.		.,,

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

Miscellaneous - (Continued)			
Access Vaults Overall vault integrity.	•	<u>(3000</u>)	Poor
Repairs needed to vaults?		Yes	Nó
Air Compressor Compressor operational?		Yes	No
Compressor hours.	·	291577	Hours
Oil level checked?		Yes	No
Oil level changed?	offline.	Yes	No
Compressor trap operating?	5	Yes	No
Regulator operating?	/	Yes	No
Air lines performing properly?		Yes	No

Sampling		
Primary carbon influent sampled?	Yes	026
Primary carbon effluent sampled?	Yes	M
Secondary carbon effluent sampled?	Yes	1
Compliance event?	Yes	1 8
Time sampled.	M	a.m./p.m.
Product sampled?	Yes	1

Recovery and Disposal		
Recovery from DNAPL Drum	, warmen	
Pure DNAPL to disposal drum.	a de la compania del compania de la compania del compania de la compania del la compania de la compania d	Gallons
DNAPL water to disposal drum.		Gallons
DNAPL/water to oil/water separator.		Gallons
Recovery from Oil/Water Separator		
Pure DNAPL to disposal drum.	0.0	Gallons
DNAPL/water to disposal drum.	0.0	Gallons
Product, Carbon, Waste Storage		
DNAPL drums on-site (full and fractional)	3	Drums
Spent carbon drums	3	Drums
PPE/Solids drums	2	Drums
LNAPL drums	0	Drums
Drums labeled?	(T ED)	No
Drums palletized?	res	No

Notes:	Moved	Core	Boxes	1
	Spaulding	Fib	ire.	

DNAPL System

Operational upon arrival?

DNAPL Drum

Leaks present?

Decant valve integrity.

DNAPI, Pump and Piping

DNAPL piping integrity.

DNAPL pump cleaned?

DNAPL top of pump depth.

DNAPL pump pressure (arrival)

Pneumatic settings adjusted?

High level shut off operational?

Green warning light operational?

DNAPL drum container integrity.

DNAPL pump pressure (departure)

Discharge control setting (departure) Refill control setting (departure)

No PSI PSI No Arrow Arrow No No Poor No Poor

Poor

(Ne

Yes

Yes

Yes

Good

Yes

Good

Good

Yes

TU K

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

DH

11-12-04

Technician:

LNAPL/Groundwater System - (Continued)		
Transfer Pump and Piping		
Pump operational?	(YE)	No
Pump integrity.	ECHACI	Poor
Flow meter operational?	Yes	No
Transfer pump flow rate.	8.58	GPM
Totalizer reading (cumulative volume).	138262	Gallons
Water filters changed?	Yes	Nò
Filter unit pressure (arrival/departure)	14.914.0	PSI
	/	
Carbon Treatment Drums		
Primary carbon drum integrity.	Gued	Poor
Primary carbon drum leaks?	Yes	CNo
Primary carbon drum pressure.	3.0	PSI
Primary carbon removed for disposal?	Yes	₫6
Secondary carbon drum rotated to primary?	Yes	ONO
New carbon placed in primary drum?	Yes	(Ng
Secondary carbon drum integrity.	Cood	Poor
Secondary carbon drum leaks?	Yes	(No
Secondary carbon drum pressure.	2-0	PSI
Secondary carbon removed for disposal?	Yes	Q\$\fo
Polishing drum rotated to secondary?	Yes	Mo
New carbon placed in secondary drum?	Yes	NEO
·	_	İ
Polishing carbon drum integrity.	Good	Poor
Polishing carbon drum leaks?	Yes	(মিল
Polishing carbon drum pressure.	MA	PSI
Polishing carbon removed for disposal?	Yes	(P2)
New carbon placed in primary drum?	Yes	700
Discharge Piping	ļ	
Pipe integrity in shed.	Grood	Poor
Pipe integrity at catch basin	Good	Poor
Pipe at catch basin clear?	(YGP)	No
Pipe integrity at creek.	Cook	Poor
Pipe at creek clear?	(Yes)	No

Table 4-1

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

Miscellaneous - (Continued)			
Access Vaults Overall vault integrity. Repairs needed to vaults?		Good Yes	Poor Næ
Air Compressor Compressor operational? Compressor hours. Oil level checked? Oil level changed? Compressor trap operating? Regulator operating? Air lines performing properly?	offline.	Yes 2015.7 Yes Yes Yes Yes Yes	Hours No No No No No

Sampling		
Primary carbon influent sampled?	Yes	Ø₹6
Primary carbon effluent sampled?	Yes	(No
Secondary carbon effluent sampled?	Yes	©
Compliance event?	Yes	156
Time sampled.	266	a.m./p.m.
Product sampled?	Yes	(No)

Recovery and Disposal		
Recovery from DNAPL Drum		
Pure DNAPL to disposal drum.		Gallons
Pure DNAPL to disposal drum. DNAPL/water to disposal drum.		Gallons
DNAPL/water to oil/water separator		Gallons
Recovery from Oil/Water Separator		
Pure DNAPL to disposal drum.	0.2	Gallons
DNAPL/water to disposal drum.	0.6	Gallons
·		
Product, Carbon, Waste Storage		
DNAPL drums on-site (full and fractional)	3	Drums
Spent carbon drums	3	Drums
PPE/Solids drums	2	Drums •
LNAPL drums	O	Drums
Drums labeled?	(Yes)	No
Drums palletized?	Yes'	No

Notes: Cleaned out # totalizer

after transfer pump.

No obstructions observed.

Washed out and then

replaced

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 control 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	Nο
Decant valve integrity.	Good	Poor
DNAPL Pump and Piping		
DNAPL piping integrity.	Good	Poor
DNAPL pump cleaned?	Yes	(To
DNAPL top of pump depth.	M	Feet

LNAPL/Groundwater System		
Operational upon arrival?	Yes	No
LNAPL pump pressure (arrival)		PS1
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.	(Good)	Poor
LNAPL pump cleaned?	Yes	ØØ.
LNAPL top of pump depth.	POH	Feet
Oil/Water Separator		
Water high level shut-off operational?	Yes	No ·
White warning light operational?	Tes	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	(N)
Separator needs cleaning?	Yes	(M)
Separator cleaned?	Yes	No

Technician:	DH	
Date:	11-19-04	

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.	7.49	GPM
Totalizer reading (cumulative volume).	138280	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	(Na
Primary carbon drum pressure.	30	PSI
Primary carbon removed for disposal?	Yes	(No
Secondary carbon drum rotated to primary?	Yes	Q.
New carbon placed in primary drum?	Yes	(Vo)
Secondary carbon drum integrity.	Good	Poor
Secondary carbon drum leaks?	Yes	₹N3
Secondary carbon drum pressure.	1.0	PSI
Secondary carbon removed for disposal?	Yes	(No
Polishing drum rotated to secondary?	Yes	(No)
New carbon placed in secondary drum?	Yes	(oN)
Polishing carbon drum integrity.	Good	Poor
Polishing carbon drum leaks?	Yes	∑No.
Polishing carbon drum pressure.	NA	PSI
Polishing carbon removed for disposal?	Yes	(No
New carbon placed in primary drum?	Yes	(No)
Discharge Puping		
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	Poor No (No
Electrical and Heating Electric controls operational Heater operational	(Tes)	No No

Miscellaneous - (Continued)			
Access l'aults Overall vault integrity. Repairs needed to vaults?	Good Yes	Poor	
Air Compressor Compressor operational? Compressor hours. Oil level checked?	Yes	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?	Yes	(No
Compliance event?	Yes	(No)
Time sampled.	NA	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.	0.0	Gallons Gallons
Product, Carbon, Waste Storage		
DNAPL drums on-site (full and fractional)	3	Drums
Spent carbon drums	3	Drums
PPE/Solids drums	2	Drums
LNAPL drums	0	Drums
Drums labeled?	Sec.	No
Drums palletized?	Yes	(1) Sept

Motes.	Turned	up h	eat in ou	Sد
	Shed	and	turned	on
	heater	in	filtration	Shed

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 control setting (departure)		_ Arrow
DNAPL Drum		
High level shut off operational?	Yes	No
Green warning light operational2	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	₹
DNAPL top of pump depth.	NA	Feet

LNAPL/Groundwater System			
Operational upon arrival?	Yes	No	
LNAPL 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	
I.NAPL Pump and Piping	_	1 1	
LNAPL piping integrity.	Giood	Poor	
LNAPL pump cleaned?	Yes	(M)	
LNAPL top of pump depth.	NA	Feet	
Oil-Water Separator			
Water high level shut-off operational?	E	No	
White warning light operational?	(Co)	Nο	
Separator vessel integrity	Good	Poor	
Leaks present?	Yes	(N)	
Separator cover and seal integrity.	Circuit	Poor	
Decant valve integrity	(ivon	Poor	
LNAPL in separator?	Yes	₩	
Separator needs cleaning?	Yes		
Separator cleaned?	Yes	(Nu)	

Technician:	_DH	
Date:	11-28-64	

LNAPL/Groundwater System - (Continued)		
Transfer Pump and Piping		
Pump operational?	Ye	No
Pump integrity.	Good	Poor
Flow meter operational?	(Yes)	No
Transfer pump flow rate.	7,48	GPM
Totalizer reading (cumulative volume).	139409	Gallons
Water filters changed?	Yes	(ND)
Filter unit pressure (arrival/departure)	15/15	PS1
` · · · · · · · · · · · · · · · · · · ·	1.37.3	
Carbon Treatment Drums		
Primary carbon drum integrity.	(Joue)	Poor
Primary carbon drum leaks?	Yes	(No
Primary carbon drum pressure.	3.0	PSI
Primary carbon removed for disposal?	Yes	(No
Secondary carbon drum rotated to primary?	Yes	Ma
New carbon placed in primary drum?	Yes	No
Secondary carbon drum integrity.	(ivoi)	<u>Po</u> or
Secondary carbon drum leaks?	Yes	(No
Secondary carbon drum pressure.	1.0	PSI
Secondary carbon removed for disposal?	Yes	(N)
Polishing drum rotated to secondary?	Yes	No.
New carbon placed in secondary drum?	Yes	1
Polishing carbon drum integrity.	Good	Poor
Polishing earbon drum leaks?	Yes	(To)
Polishing carbon drum pressure.	14	PSI
Polishing carbon removed for disposal?	Yes	(Ma)
New carbon placed in primary drum?	· Yes	No)
Discharge Piping	1	
Pipe integrity in shed.	Cimil	Poor
Pipe integrity at catch basin	Cinid	Poor
Pipe at catch basin clear?	Tes	No
Pipe integrity at creek.	(Mag)	Poor
Pipe at creek clear?	Tes	No

Miscellaneous		
Building and Suc Remediation shed integrity. Shed ventilation acceptable? Repairs:work needed? Spill evidence?	Yes Yes	Poor No (No (No
Flectrical and Heating Electric controls operational Heater operational	OF CO.	No No

Miscellaneous - (Continued)			
Access Vaults			
Overall vault integrity.	(m)	Poor	
Repairs needed to vaults?	Yes	(No	
Air Compressor . (1)			
Compressor operational?	Yes	4%	
Compressor hours.	2915.7	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	1
Secondary carbon effluent sampled?	(Fig. 1)	No
Compliance event?	Tes	No
Time sampled	0845	(a.m. p.m.
Product sampled?	Yes	(19)

Recovery and Disposal		
Recovery from DNAPL Drum		Gallons
Pure DNAPL to disposal drum. DNAPL/water to disposal drum.		Gallons
'		
DNAPL/water to oil/water separator		Gallons
Recovery from Oil Water Separator		
Pure DNAPL to disposal drum.	0.0	Gallons
DNAPL/water to disposal drum	0,0	Gallons
Product, Carbon, Waste Storage		
DNAPL drums on-site (full and fractional)	3	Drums
Spent carbon drums	3	Drums
PPE/Solids drums	2	Drums
LNAPL drums	0	Drums
Drums labeled?	Ø:	No
Drums palletized?	((G)	No

Notes: Performed monthly sampling.

Turned up heat in T-Pump

side of Shed.

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)		Aitow
Refill control setting (departure)		Anow
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.	Yes	Poor
DNAPL pump cleaned?	Yes	MI
DNAPL top of pump depth	NA	Feet

LNAPL/Groundwater System			
Operational upon arrival?	Yes	No	
LNAPL pump pressure (arrival)		PSI	
LNAPL pump pressure (departure)		PS1	
Bubbler tube operating pressure		PS1	
Pneumatic settings adjusted?	Yes	No	
Discharge control setting (departure)		Anow	
Refill control setting (departure)		Arrow	
LNAPL Pump and Piping		:	
LNAPL piping integrity	Cition	Poor	
LNAPL pump cleaned?	Ygs	(Nu)	
LNAPL top of pump depth.	NA	Feet	
Oil-Water Separator			
Water high level shut-off operational?	(Tie)	No	
White warming light operational?	ক্ত্রেস	No	
Separator vessel integrity	Cinn	Poor	
Leaks present ³	Yes	C#15"	
Separator cover and seaf integrity	(intit)	Poor	
Decant valve integrity	Cimo	Poor	
LNAPL in separator?	Yes	(Min)	
Separator needs cleaning?	Yes	(MD)	
Separator cleaned?	Yes'	(Kii)	

Technician:	WH	 	
Date:	12-4-64	 	

LNAPL/Groundwater System - (Continued)	·	
Transfer Pump and Puping		
Pump operational?	(Yes)	No
Pump integrity	Good	Poor
Flow meter operational?	Ocs	No
Transfer pump flow rate.	6.76	GPM
Totalizer reading (cumulative volume)	146750	Gallons
Water filters changed?	Yes	(No
Filter unit pressure (arrival/departure)	16.00	PSI
Carbon Treatment Drums		
Primary carbon drum integrity.	Goods	Poor
Primary carbon drum leaks?	Yes	(Ñô)
Primary carbon drum pressure.	30	PSI
Primary carbon removed for disposal?	Yes	cNo .
Secondary carbon drum rotated to primary?	Yes	(i)
New carbon placed in primary drum?	Yes	No.
Secondary carbon drum integrity.	(Timel	Poor
Secondary carbon drum leaks"	Yes	(No)
Secondary carbon drum pressure	10	PSI
Secondary carbon removed for disposal?	Yes	No.
Polishing drum rotated to secondary?	Yes	Nu
New carbon placed in secondary drum?	Yes	(E)
Polishing carbon drum integrity	Ciond	Poor
Polishing cathon drum leaks?	Yes	COVID
Polishing carbon drum pressure	1026	PSI
Polishing carbon removed for disposal '	Yes	(AN)
New carbon placed in primary drum?	Yes	(Vi)
Discharge Piping		
Pipe integrity in shed	Timb	Poor
Pipe integrity at catch basin	Clima	Poor
Pipe at catch basin clear?	Tes	No
Pipe integrity at creek	Gued	Poor
Pipe at creek clear?	(19)	No

Miscellaneous		
Building and Nuc		
Remediation shed integrity.	Timb	Poor
Shed ventilation acceptable?	(10)	No
Repairs work needed?	Yes	Color
Spill evidence?	Yes	<u></u>
Electrical and Heating		
Electric controls operational	00	No
Heater operational	(रिंहें)	No ·

Miscellaneous - (Continued)		
Access Faults Overall vault integrity.	Yes	Poor
Repairs needed to vaults? Air Compressor	res	<u>Go</u>
Compressor operational? Compressor hours.	Yes 29/517	No Hours
Oil level changed? — Offline.—	Yes Yes	No - No
Compressor trap operating? Regulator operating?	Yes Yes	No No
Air lines performing properly?	Yes	No ⁻

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

Recovery and Disposal	·	
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	0.0 0.0	Gallons Gallons
Product, Carbon, Waste Storage DNAPL drums on-site (full and fractional)	'3	Drums
Spent carbon drums PPF Solids drums	3	Drums Drums
1.5(AP), drums Drums labeled? Drums palletized?	000	Druins No No

Motor Collected System Cata.

DNAPL System		منسسند
Operational upon arrival?	Yes	No
DNAPL pump pressure (arrival)		PS1
DNAPL pump pressure (departure)		PSI
Pneumatic settings adjusted?	Yes	Nο
Discharge control setting (departure)		Arrow
Discharge control setting (departure) Refill control setting (departure)		Arrow
DNAPL Drum		٠,
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.	14%	Feet

LNAPL/Groundwater System		
Operational upon arrival?	Yes	No
LNAPL pump pressure (arrival)		PSI
LNAPL pump pressure (departure)		PSt
Bubbler tube operating pressure		PSI
Pneumatic settings adjusted?	Yes	No
Discharge control setting (departure)	٠ <u>ـــــ</u> ـــــــــــــــــــــــــــــــ	Arrow
Refill control setung (departure) OTT		Arrow
·		
I.N.API. Pump and Piping		
LNAPL piping integrity	Good	Poor
LNAPL pump cleaned?	Yes	CIVI
LNAPL top of pump depth	NA	Leet
	1-7	
Oil Water Separator		
Water high level shut-off operational?	(1991) (1991)	No
White warning light operational?	(PE)	No
Separator vessel integrity	Cond	Poot
Leaks present?	Yes	(Fin)
Separator cover and seaf integrity	Cional	Poor
Decant valve integrity	(Tiunit >	Poor
LNAPL in separator?	Tis	(No)
Separator needs cleaning?	Yes	M
Separator cleaned?	Yus	(No.)

Feelmicia	: Denvis	Hoffman	-
Date:	12-10-04		

LNAPL/Groundwater System - (Continued)		
Fransfer Pump and Pipmg Pump operational? Pump integrity. Flow meter operational? Transfer pump flow rate. Totalizer reading (cumulative volume) Water filters changed? Filter unit pressure (arrivabdeparture)	(S357) (S357) (S357) (S357)	No Poor No GPM Gallons No PSI
Carbon Frequency Drams 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?	Yes Yes Yes	Poor (No PSI C Xa (Xa
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 Vo Yes Yes Yes	100 (Z) Z (Z) (Z) (Z)
Polishine carbon drum integrity Polishing carbon drum leaks? Polishing carbon drum pressure Polishing carbon removed for disposal? New carbon placed in primary drum?	Yes NA Yes Yes	PG (3 PS (5) PS
Discharge Piping Pipe integrity in shed Pipe integrity at eatch basin Pipe at eatch basin clear? Pipe integrity at creek Pipe at creek clear?	(\$) (\$) (\$) (\$)	Poor Poor No Poor No

Miscellaneous		
Finding and Suctional Remediation shed integrity Saned ventilation acceptable? Repairs work needed? Spill evidence?	(M) (M) (N) (N)	Poor No (Se)
1 lectrical and Heating Licetric controls operational Heater operational	(VES) (NES)	No No

Miscellaneous - (Continued)		
Access Vaults		
Overall vault integrity.	(Good)	Poor
Repairs needed to vaults?	Yes	(No)
	1	
Air Compressor		
Compressor operational?	Yes	No نــ
Compressor hours.	2415.7	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	CNO
Primary carbon effluent sampled?	Yes	(New
Secondary earbon effluent sampled?	Yes	(NO)
Compliance event?	Yes	No
Time sampled	104	a.m p·m
Product sampled?	Yes	(N)

Recovery and Disposal		
Recovery from DV.IPI. 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.		Gallons
DNAPI water to disposal drum		Gallons
Product, Carbon, Waste Storage		
DNAPL drums on-site (full and fractional)	3	Drums
Spent carbon drums	.3	Dinns
PPF Solids drums	1 2	Drums
LNAPI droms	0	Drums
Drums labeled?	0	No
Drums palletized?	(105)	No

Notes

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 control setting (departure)		Arrow
DNAPL Drum		
High level shut off operational?	(Ves	No
Green warning light operational?	(Yes)	No
DNAPL drum container integrity.	Good	Foor
Leaks present?	Yes	ØNo.
Decant valve integrity.	Good	Poor
		1
DNAPL Pump and Piping		
DNAPL piping integrity.	Cood	Роог
DNAPL pump cleaned?	Yes	O\$∂
DNAPL top of pump depth.	IVA	Feet

LNAPL/Groundwater System		
Operational upon arrival?	Yes	No
LNAPL 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.	Good	Poor
LNAPL pump cleaned?	Yes	200
LNAPL top of pump depth.	NA	Feet
Oil/Water Separator		
Water high level shut-off operational?	(YES)	No
White warning light operational?	(YE)	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	(MD)
Separator cleaned?	Yes	(M)

Technician:	
Date: 12-18-04	

<u>Table 4-1</u>

LNAPL/Groundwater System - (Continued)		
Transfer Pump and Piping		
Pump operational?	YES	No
Pump integrity	(G60d)	Poor
Flow meter operational?	Yes	No
Transfer pump flow rate.	7.98	GPM
Totalizer reading (cumulative volume).	162439	Gallons
Water filters changed?	(Fes)	No
Filter unit pressure (arrival/departure) /5.5	110.5	PSI
	/	
Carbon Treatment Drums		
Primary carbon drum integrity.	Good	Poor
Primary carbon drum leaks?	Yes	₹ 00
Primary carbon drum pressure.	3.0	PSI
Primary carbon removed for disposal?	Yes	(NO)
Secondary carbon drum rotated to primary?	Yes	K (0)
New carbon placed in primary drum?	Yes	1 60
		_
Secondary carbon drum integrity.	(000)	Poor
Secondary carbon drum leaks?	Yes	(No
Secondary carbon drum pressure.	2.0	PSI
Secondary carbon removed for disposal?	Yes	100
Polishing drum rotated to secondary?	Yes	6 0
New carbon placed in secondary drum?	Yes	- (N))
Polishing carbon drum integrity.	-606J)	Poor
Polishing carbon drum leaks?	Yes	(No)
Polishing carbon drum pressure.	1A	PSI
Polishing carbon removed for disposal?	Yes	(A)
New carbon placed in primary drum?	Yes	X/9
New caroon placed in primary aron.	177	0
Discharge Piping		
Pipe integrity in shed.	Goods	Poor
Pipe integrity at catch basin.	6609	Poor
Pipe at catch basin clear?	Kes	No
Pipe integrity at creek.	Good	Poor
Pipe at creek clear?	Yes	No
	<u> </u>	

Miscellaneous		
Building and Site		
Remediation shed integrity.	Crood)	Poor
Shed ventilation acceptable?	YES	No
Repairs/work needed?	Yes	(No
Spill evidence?	Yes	№
Electrical and Heating		
Electric controls operational	Ves	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.		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	(XD)
Primary carbon effluent sampled?	Yes	613
Secondary carbon effluent sampled?	Yes	(No
Compliance event?	Yes	No
Time sampled.	NX	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
Summer State of the State of th	·	
Recovery from Oil/Water Separator		,
Pure DNAPL to disposal drum.	0.2	Gallons
DNAPL/water to disposal drum.	0.3	Gallons
Product, Carbon, Waste Storage		
DNAPL drums on-site (full and fractional)	3	Drums
Spent carbon drums	3	Drums
PPE/Solids drums	2	Drums
LNAPL drums	න	Drums
Drums labeled?	(Ces)	No :
Drums palletized?	(Tes)	No

Notes:	Changed by O Filters - Added
	Bleach to filter housing to
	discourage Bio-buildup.

DNAPL System		
Operational upon arrival?	Yes	No
DNAPL pump pressure (arrival)	. araman. a	PSI
DNAPL pump pressure (arrival) DNAPL pump pressure (departure)		PSI
Pneumatic settings adjusted?	Yes	No
Discharge control setting (departure)	-	Апом
Refill control setting (departure)	4	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	(Ng
Decant valve integrity.	Good	Poor
DNAPI, Pump and Piping		
DNAPL piping integrity.	Good	Poor
DNAPL pump cleaned?	Yes	(NW)
DNAPL top of pump depth.	NA	Feet

LNAPL/Groundwater System		
Operational upon arrival?	Yes	No
LNAPL pump pressure (arrival)	1.00	PSI
LNAPL pump pressure (departure) ///eve.		PSI
Bubbler tube operating pressure 0)///		PS1
Pneumatic settings adjusted?	Yes	No :
Discharge control setting-(departure)		Arrow
Refill control setting (departure)		Anow
LNAPL Pump and Piping		
LNAPL piping integrity	Chool	Poor
LNAPL pump cleaned?	Yes	Ø10
LNAPL top of pump depth.	NA	Feet
Od-Water Separator		
Water high level shut-off operational?	(Tie)	No
White warning light operational?	(YED)	No
Separator vessel rintegrity	Cilina	Poot.
Leaks present?	Yes	(ND)
Separator cover and seal integrity	Court	Poor
Decant valve integrity	Chint	Poor
LNAPL in separator?	Yes	(Na)
Separator needs cleaning?	Yes	
Separator cleaned?	Yes	(No)

Technician:	<u>WO.</u>		
Date:	23.04	والمراجع والمستعدد والمستعد والمستعدد المستعدد المستعدد المستعدد المستعدد والمستعدد والمستعدد والمستعدد والمستعدد والمستعدد وا	

<u>Table 4-1</u>

LNAPL/Groundwater System - (Continued)			
Transfer Pump and Piping			
Pump operational?	Tes	No	
Pump integrity.	Goods	Poor	
Flow meter operational?	CYES	No	
·		GPM	
Totalizer reading (cumulative volume)	170010	Gallons	
Water filters changed?		(No)	
1	155/55	PSI	
Carbon Treatment Drums			
Primary carbon drum integrity.	Good?	Poor	
Primary carbon drum leaks?	Yes	€No	
Primary carbon drum pressure.	30	PSI	
Primary carbon removed for disposal?	Yes	€ No	
Secondary carbon drum rotated to primary?	Yes	(No	
New carbon placed in primary drum?	Yes	7Nu	
		-	
Secondary carbon drum integrity.	Cloud □	Poor	
Secondary carbon drum leaks?	Yes	CNA	
Secondary carbon drum pressure.	1.0	PS1	
Secondary carbon removed for disposal 1	Yes	(NO.)	
Polishing drum rotated to secondary?	Yes	SAIL.	
New carbon placed in secondary drum?	Yes	(Mor	
Polishing carbon drum integrity	Mond.	Poor	
Polishing carbon drum leaks?	Yes	CNo	
Polishing carbon drum pressure	164	PSI	
Polishing carbon removed for disposal ¹	Yes	C No	
New carbon placed in primary drum?	Yes	(No)	
<u>Discharge Piping</u>			
Pipe integrity in shed	Climpd	Poor	
Pipe integrity at catch basin	Cumit	Poor	
Pipe at catch basin clear?	(Tes)	No	
Pipe integrity at creek	Kinnd	Poor	
Pipe at creek/clear?	(Fes)	No	

Miscellaneous		
Building and Suc		
Remediation shed integrity.	Curried	Poer
Shed ventilation acceptable?	700	No
Repairs work needed?	Tes	(-No
Spill evidence?	Yes	শ্রত
Electrical and Heating		
Flectric controls operational	CYES	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?	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	(No
Compliance event?	Yes	(Na
Time sampled	ASA	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 Product, Carbon, Waste Storage	0.0	Gallons Gallons
DNAPL drums on-site (full and fractional)	3	Drums
Spent carbon drums PPF Solids drums LNAPL drums	<u> </u>	Drums Drums Drums
Drums Libeled? Drums palletized?		No No

Considering bleach treatment

Considering bleach treatment

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 control 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.	(G00g)	Poor
DNAPL pump cleaned?	Yes	_ №
DNAPL top of pump depth.	NA	Feet

LNAPL/Groundwater System		
Operational upon arrival?	Yes	No
LNAPL pump pressure (arrival)	, mark	PSI
LNAPL pump pressure (departure)		PSI
Bubbler tube operating pressure.		PSI
Pneumatic settings adjusted?	Yes	No
Discharge control setting (departure)		Апом
Refill control setting (departure)		Arrow
LNAPL Pump and Piping		1
LNAPL piping integrity.	(Good)	Poor
LNAPL pump cleaned?	Yes	100
LNAPL top of pump depth.	NR	Feet
Oil/Water Separator		1
Water high level shut-off operational?	(76s)	No
White warning light operational?	(VES)	No
Separator vessel integrity.	Good	Poor
Leaks present?	Yes	(RD)
Separator cover and seal integrity.	Good	Poor
Decant valve integrity.	Good	Poor
LNAPL in separator?	Yes	(M)
Separator needs cleaning?	Yes	6 00
Separator cleaned?	Yes	(No)

Technician:	DH	
Date:	12-30-04	

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.	6.07	GPM	
Totalizer reading (cumulative volume).	174654	Gallons	
Water filters changed?	Yes	C/No	
Filter unit pressure (arrival/departure)	17/17	PSI	
The am problem (activities of particle)	• 17 17		
Carbon Treatment Drums			
Primary carbon drum integrity.	(Good)	Poor	
Primary carbon drum leaks?	Yes	(100)	
Primary carbon drum pressure.	3.0	PSI	
Primary carbon removed for disposal?	Yes	No	
Secondary carbon drum rotated to primary?	Yes	K O	
New carbon placed in primary drum?	Yes	100	
Secondary carbon drum integrity.	ලග්වෙ	Poor	
Secondary carbon drum leaks?	Yes	(No	
Secondary carbon drum pressure.	2.0	PSI	
Secondary carbon removed for disposal?	Yes	₽ ®	
Polishing drum rotated to secondary?	Yes	(
New carbon placed in secondary drum?	Yes	No.	
Polishing carbon drum integrity.	€ 60€	Poor	
Polishing carbon drum leaks?	Yes	₹09	
Polishing carbon drum pressure.	NA	PSI	
Polishing carbon removed for disposal?	Yes	. (₹®)	
New carbon placed in primary drum?	Yes	(₹o	
		. 1	
Discharge Piping			
Pipe integrity in shed.	(G000)	Poor	
Pipe integrity at catch basin.	669	Poor	
Pipe at catch basin clear?	Tes	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?	Yes Yes	Poor No
Electrical and Heating Electric controls operational Heater operational	(Yas	No No

Miscellaneous - (Continued)		
Access Vandts	_	
Overall vault integrity.	(600g)	Poor
Repairs needed to vaults?	Yes	(NO)
Air Compressor		
Compressor operational?	Yes	No
Compressor hours.		Hours
Oil level checked? Oil level changed?	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?	₩	No
Primary carbon effluent sampled?	Ø2€®	No
Secondary carbon effluent sampled?	Ø ts	No
Compliance event?	Yes	No
Time sampled.	0800	a.m./p.m.
Product sampled?	Yes	(N)

Recovery and Disposal		
Recovery from DNAPL Drum	تر	
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.	0.0	Gallons
DNAPL/water to disposal drum.	0.0	Gallons
		٠.
Product, Carbon, Waste Storage		
DNAPL drums on-site (full and fractional)	3	Drums
Spent carbon drums	3	Drums
PPE/Solids drums	2	Drums
LNAPL drums	0	Drums
Drums labeled?	Yes	9200
Drums palletized?	Yes	8

Notes:

None - Performed Monthly Sumpling