FORMER GASTOWN MGP SITE SITE NO. 915171

2010 SITE VISIT CHECKLISTS FOR THE GROUNDWATER COLLECTION & TREATMENT SYSTEM

Op-Tech operated the Groundwater Collection & Treatment System through the end of June 2010 when operation shifted to GES. I requested the Site Visit Checklists from Op-Tech but never received them. Therefore, the Site Visit Checklists for 2010 start with July.

Table 4-1

Site Visit Checklist/Data Sheet

Operational upon arrival?	Yes	No
DNAPL pump pressure (arrival)	3	PSI
DNAPL pump pressure (departure)	3	PSI
Pneumatic settings adjusted?	Yes	(D)
Discharge control setting (departure)	N	Arrow
Refili control setting (departure)	1	Arrow
DNAPL Drum		
High level shut off operational?	Yes	No
Green warning light operational?	Yes	No
DNAPL drum container integrity.	(Good)	Poor
Leaks present?	Yes	(No
Decant valve integrity.	Good	Poor
DNAPL Pump and Piping		
DNAPL piping integrity.	Good	(Poor)
DNAPL pump cleaned?	Yes	80
DNAPL top of pump depth.		Feet

LNAPL/Groundwater System		
Operational upon arrival?	Yes	No
LNAPL pump pressure (arrival)	4	PSI
LNAPL pump pressure (departure)	ч	PSI
Bubbler tube operating pressure.	,	PSI
Pneumatic settings adjusted?	Yes	(NO)
Discharge control setting (departure)	7	Arrow
Refill control setting (departure)	3	Arrow
LNAPL Pump and Piping		
LNAPL piping integrity.	Good	Poor
LNAPL pump cleaned?	Yes	No.
LNAPL top of pump depth.		Feet
Oil/Water Separator		
Water high level shut-off operational?		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	€ 75
Separator needs cleaning?	(Yes)	No
Separator cleaned?	Yes	(NO)

Technician:	T. Palmer	
Date:	7-6-10	

B105-100-1-0-1-0-1-0-1-0-1-0-1-0-1-0-1-0-		
LNAPL/Groundwater System - (Continued)	daigagi çəri	
Transfer Pump and Piping		
Pump operational?	(Yes)	No
Pump integrity.	Good	Poor
Flow meter operational?	Yes	No
Transfèr pump flow rate.		GPM
Totalizer reading (cumulative volume).	201398	Gallons
Water filters changed?	Yes	(No)
Filter unit pressure (arrival/départure)		PSI
Carbon Treatment Drums		
Primary carbon drum integrity.	Cood	Poor
Primary carbon drum leaks?	Yes	(No
Primary carbon drum pressure.		PSI
Primary carbon removed for disposal?	Yes	(No
Secondary carbon drum rotated to primary?	Yes	₫ ₽
New carbon placed in primary drum?	Yes	<u>@</u>
Secondary carbon drum integrity.	Good	Poor
Secondary carbon drum leaks?	Yes	(N)
Secondary carbon drum pressure.		PSI
Secondary carbon removed for disposal?	Yes	(Na
Polishing drum rotated to secondary?	Yes	Na Na
New carbon placed in secondary drum?	Yes	(A)
Polishing carbon drum integrity.	Good	Poor
Polishing carbon drum leaks?	Yes	(No)
Polishing carbon drum pressure.	168	PSI
Polishing carbon removed for disposal?	Yes	(N)
New carbon placed in primary drum?	Yes	
I promise to promise the second	100	
Discharge Piping		
Pipe integrity in shed.	Good	(Partie
Pipe integrity at catch basin.	Good	Poor
Pipe at catch basin clear?		No
Pipe integrity at creek.	Good	Poor
Pipe at creek clear?	Tes	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 - Off	Yes Yes	No No

Miscellancous - (Continued)		1000000
Access Vaults		
Overall vault integrity.	Good	Poor
Repairs needed to vaults?	Yes	©
Air Compressor		
Compressor operational?	Yes	No
Compressor hours.	02734	Hours
Oil level checked?	(Yes>	No
Oil level changed?	Yes	
Compressor trap operating?	(Yes)	No
Regulator operating?	(Pes)	No
Air lines performing properly?	(Yes)	No

Sampling		
Primary carbon influent sampled?	Yes	(N)
Primary carbon effluent sampled?	Yes	l Œ
Secondary carbon effluent sampled?	Yes	
Compliance event?	Yes	1 700
Time sampled.		a.m./p,m,
Product sampled?	Yes	1

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	(c	Drums
PPE/Solids drums	4	Drums
LNAPL drums	Ó	Drums
Drums labeled?	Yes	(Via)
Drums palletized?	Yes	(No)

Notes: System didn't discharge any wastr during USA.

Shed needs upkeep (Doors + Insulation)

Unsure of ventilation needs.

Plan to do 01/filter charge on compression.

DNAPL System	6.6.6.6	高級 四周
Operational upon arrival?	Yes	(No)
DNAPL pump pressure (arrival)		PSI
DNAPL pump pressure (departure)		PSI
Pneumatic settings adjusted?	(Ves)	No
Discharge control setting (departure)	1	Arrow
Refill control setting (departure)	-	Arrow
DNAPL Drum		
High level shut off operational?	1760	No
Green warning light operational?		No
DNAPL drum container integrity.	Good	Poor
Leaks present?	Yes	Na
Decant valve integrity.	Cood	Poor .
<u>DNAPL Pump and Piping</u>		
DNAPL piping integrity.	Good	(Poor)
DNAPL pump cleaned?	Yes	NO 5
DNAPL top of pump depth.	<u> </u>	Feet

LNAPL/Groundwater System		
Operational upon arrival?	Yes	
LNAPL pump pressure (arrival)		PSI
LNAPL pump pressure (departure)		PSI
Bubbler tube operating pressure.		PSI
Pneumatic settings adjusted?	Yes	No
Discharge control setting (departure)	271	Arrow
Refill control setting (departure)	7/	Arrow
LNAPL Pump and Piping	1	1
LNAPL piping integrity.	Good	Poor
LNAPL pump cleaned?	Yes	No
LNAPL top of pump depth.		Feet
Oil/Water Separator		
Water high level shut-off operational?	E	No
White warning light operational?	TO	No
Separator vessel integrity.	Good	Poor
Leaks present?	Yes	No
Separator cover and scal integrity.	Good	Poor
Decant valve integrity.	Good	Poor
LNAPL in separator?	Yes	(No)
Separator needs cleaning?	Yes	(NO)
Separator cleaned?	(Yes)	No

Technician:	T. Palma	
Date:	7-14-10	

	LNAPL/Groundwater System - (Continued)		
Į	Transfer Pump and Piping		
l	Pump operational?	(Tag)	No
I	Pump integrity.	Good	Роог
l	Flow meter operational?	Cyes	No
Į	Transfer pump flow rate.	5	GPM
i	Totalizer reading (cumulative volume).	227478	Gailons
ļ	Water filters changed?	Yes	(NO)
l	Filter unit pressure (arrival/departure)	24	PSI
l			
Ì	Carbon Treatment Drums	`	
I	Primary carbon drum integrity.	(Good)	Poor
ı	Primary carbon drum leaks?	Yes	(No)
l	Primary carbon drum pressure.	3	PSI
Ì	Primary carbon removed for disposal?	Yes	(N)
Į	Secondary carbon drum rotated to primary?	Yes	(No.
İ	New carbon placed in primary drum?	Yes	No
Į		:	
ł	Secondary carbon drum integrity.	Good	Poor
ł	Secondary carbon drum leaks?	Yes	
l	Secondary carbon drum pressure.	No gauge	PS1
١	Secondary carbon removed for disposal?	Yes	(NO)
ĺ	Polishing drum rotated to secondary?	Yes	<u>@</u>
ı	New carbon placed in secondary drum?	Yes	
ļ		_	
ł	Polishing carbon drum integrity,	Good	Poor
Į	Polishing carbon drum leaks?	Yes	(No)
۱	Polishing carbon drum pressure.	5	PSI
ı	Polishing carbon removed for disposal?	Yes	C₩)
١	New carbon placed in primary drum?	Yes	N
l			
	Discharge Piping		
l	Pipe integrity in shed.	Good	Poor
Ì	Pipe integrity at catch basin.	Good	Poor
I	Pipe at catch basin clear?	(Tes)	No
١	Pipe integrity at creek.	Good	Poor
	Pipe at creek clear?	770	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	Yes Yes	No No

Miscellaneous-(Continued)		
Access Vaults		
Overall vault integrity.	Good	Poor
Repairs needed to vaults?	Yes	®
Air Compressor		
Compressor operational?	(Pa)	No
Compressor hours,	93309	Hours
Oil level checked?	(Tes)	No
Oil level changed?	Yes	
Compressor trap operating?	Yes	No
Regulator operating?	Yes	No
Air lines performing properly?	Yes	No

Sampling		
Primary carbon influent sampled?	Yes	CNO
Primary carbon effluent sampled?	Yes	
Secondary carbon effluent sampled?	Yes	Ø₩
Compliance event?	Yes	@
Time sampled.		a.m./p.m.
Product sampled?	Yes	ا الم

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
		l [[
Recovery from Oil/Water Separator		l'
Pure DNAPL to disposal drum.	***************************************	Gallons
DNAPL/water to disposal drum.	. William .	Gallons
		!
Product, Carbon, Waste Storage		i ii
DNAPL drums on-site (full and fractional)	3	Drums
Spent carbon drums	6	Drums -
PPE/Solids drums	2	Drums
LNAPL drums	0	Drums
Drums labeled?	Yes	No
Drums palletized?	Yes	(No)

ores: Arrhne not attacked to DNAPL pump insule worth
NNAPL trabon to Dump KMKen.
Optech paperank reports bad LNAPL regulator, will try to track down replacement
Cleaned externor of OWS

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?	(200)	No
Green warning light operational?		No
DNAPL drum container integrity.	Gase	Poor
Leaks present?	Yes	(No)
Decant valve integrity.	Good	Poor
DNAPL Pump and Piping	.	}
DNAPL piping integrity.	Good	Poor
DNAPL pump cleaned?	Yes	No
DNAPL top of pump depth.		Feet

	LNAPL/Groundwater System		
∥	Operational upon arrival?	Yes	(No.)
- 11	LNAPL pump pressure (arrival)		PSI
H	LNAPL pump pressure (departure)		PSI
-	Bubbler tube operating pressure.		PSI
╢	Pneumatic settings adjusted?	Yes	(No)
H	Discharge control setting (departure)		Arrow
	Refill control setting (departure)		Arrow
I	LNAPL Pump and Piping		
ı	LNAPL piping integrity.	Good	(Foot)
ı	LNAPL pump cleaned?	Yes	(No
I	LNAPL top of pump depth.		Feet
	Oil/Water Separator		
	Water high level shut-off operational?	(Yes)	No
١	White warning light operational?	₹ 5	No
1	Separator vessel integrity.	Gase	Poor
ı	Leaks present?	Yes	No
	Separator cover and seal integrity.	Good	Poor
U	Decant valve integrity.	Good	Poor
	LNAPL in separator?	Yes	(No)
I	Separator needs cleaning?	Yes	
-	Separator cleaned?	Yes	\(\int_{\int_0}^{\int_0}\)

Technician:	一.	Halmer	
Date:	7.23-	10	

<u>Table 4-1</u>

LNAPL/Groundwater System - (Confinued)	Haran Septada	A.1 189 to 199
Transfer Pump and Piping		<u></u>
Pump operational?	Yes	No
Pump integrity.	Good	Poor
Flow meter operational?	Yes	No
Transfer pump flow rate.	4.5	GPM
Totalizer reading (cumulative volume).	228850	Gallons
Water filters changed?	Yes	No
Filter unit pressure (arrival/departure)	12	PSI
•		
Carbon Treatment Drums		
Primary carbon drum integrity.	Good	Poor
Primary carbon drum leaks?	Yes	(No)
Primary carbon drum pressure.	4	PSI
Primary carbon removed for disposal?	Yes	(Na
Secondary carbon drum rotated to primary?	Yes	(No
New carbon placed in primary drum?	Yes	No
	citions	_
Secondary carbon drum integrity.	Good	Poor
Secondary carbon drum leaks?	Yes	No
Secondary carbon drum pressure.	2	PSI
Secondary carbon removed for disposal?	Yes	₫
Polishing drum rotated to secondary?	Yes	(No)
New carbon placed in secondary drum?	Yes	(No)
	-	
Polishing carbon drum integrity.	Good	Poor
Polishing carbon drum leaks?	Yes	(M)
Polishing carbon drum pressure,	ł	PSI
Polishing carbon removed for disposal?	Yes	(M)
New carbon placed in primary drum?	Yes	(No)
Discharge Piping		
Pipe integrity in shed.	Good	Poor
Pipe integrity at catch basin.	Ciocol	Poor
Pipe at catch basin clear?	- Kest	No
Pipe integrity at creek	Good	Poor
Pipe at creek clear?	(Yes)	No

Miscellaneous		un per es anno 19 102 - August San Julius
Building and Site		
Remediation shed integrity.	Good	Poor .
Shed ventilation acceptable?	Yes	No
Repairs/work needed?	(Yes)	. No.
Spill cvidence?	Yes	CMO
Electrical and Heating		
Electric controls operational	Yes	No
Heater operational - OC	Yes	No

Site Visit Checklist/Data Sheet

Miscellaneous - (Continued)		
Access Vaults		
Overall vault integrity.	Good	Poor
Repairs needed to vaults?	Yes	(B)
Air Compressor - Shurt John Tegnlator Compressor operational? Bod Tegnlator Compressor hours	Yes	No
1	93500	Hours
Oil level checked?	(Yes)	No
Oil level changed?	Yes	(No)
Compressor trap operating?	Yes	No
Regulator operating?	Yes	(a)
Air lines performing property?	Yes	No

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

Recovery and Disposal		
Recovery from DNAPL Drum		
Pure DNAPL to disposal drum.		Gallous
DNAPL/water to disposal drum. 05		Gallons
DNAPL/water to oil/water separator. \$30		Gallons
Recovery from Oil/Water Separator		}
Pure DNAPL to disposal drum.		Galions
DNAPL/water to disposal drum.		Gallons
Product, Carbon, Waste Storage		
DNAPL drums on-site (full and fractional)	Ð	Drums
Spent carbon drums	9	Drums
PPE/Solids drums	2	Drums
LNAPL drums	0	Drums
Drums labeled?	. Yes	@
Drums palletized?	Yes	140

Notes: System down for upgrabs. Only hater
from sump running to system due to
bod regulativ @ compressiv.

Table 4-1

Site Visit Checklist/Data Sheet

DNAPL System		Passier I is
Operational upon arrival?	Yes	(N)
DNAPL pump pressure (arrival)	#2:	PSI
DNAPL pump pressure (departure)	***	PSI
Pneumatic settings adjusted?	Yes	No
Discharge control setting (departure)	7	Arrow
Refill control setting (departure)	K	Arrow
DNAPL Drum		
High level shut off operational?	Yes	No
Green warning light operational?	(Fee)	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.		Feet

Operational upon arrival?	Yes	(No)
LNAPL pump pressure (arrival)		PSI
LNAPL pump pressure (departure)	5	PSI
Bubbler tube operating pressure.		PSI
Pneumatic settings adjusted?	Yes	No
Discharge control setting (departure)	1	Arrow
Refill control setting (departure)	Ż	Агтом
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?	(Ve)	No
White warning light operational?	O Too	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	3
Separator needs cleaning?	Yes	
Separator cleaned?	Yes	NO I

Technician:	T. Palmer	
Date:	7.28.10	

LNAPL/Groundwater System - (Continued)		
Transfer Pump and Piping		
Pump operational?	(Yes)	No
Pump integrity.	Good	Poor
Flow meter operational?	Yes	(No)
Transfer pump flow rate.	4.10	GPM
Totalizer reading (cumulative volume).	228906	Gallons
Water filters changed?	Yes	(§7)
Filter unit pressure (arrival/departure)	14	PSI
Carbon Treatment Drums		
Primary carbon drum integrity.	Good	Poor
Primary carbon drum leaks?	TV:S	No.
Primary carbon drum pressure.		PSI
Primary carbon removed for disposal?	Yes	(No.
Secondary carbon drum rotated to primary?	Yes	(N)
New carbon placed in primary drum?	Yes	6
Secondary carbon drum integrity.	Good	Poor
Secondary carbon drum leaks?	Yes	GÃ
Secondary carbon drum pressure.	- 5	PSI
Secondary carbon removed for disposal?	Yes	
Polishing drum rotated to secondary?	Yes	
New carbon placed in secondary drum?	Yes	Q
Polishing carbon drum integrity.	Good	D
Polishing carbon drum leaks?	Yes	8
Polishing carbon drum pressure.	20.5	DGI
Polishing carbon removed for disposal?	Yes	3
New carbon placed in primary drum?	Yes	<u> </u>
Discharge Piping		
Pipe integrity in shed.	Good	Poor
Pipe integrity at catch basin.	Good	Poor
Pipe at catch basin clear?	7	No
Pipe integrity at creek.	Gan	Poor
Pipe at creek clear?	15	No

BANKS BANKS TO SERVE THE SERVE TO SERVE THE SERVE SERV		
Missellancous 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	Yes	No No

Miscellaneous - (Continued)		
Access Vaults Overall vault integrity. Repairs needed to vaults?	Good Yes	Poor No
<u>Air Compressor</u> Compressor operational? Compressor hours. Oil level checked? Oil level changed?	93501 93501 Yes	No Hours No
Compressor trap operating? Regulator operating? Air lines performing properly?		No No No

Sampling		11 12 12
Primary carbon influent sampled?	(Yes)	No
Primary carbon effluent sampled?	 ∑	No
Secondary carbon effluent sampled?	Yes	(A)
Compliance event?	Yes	(R)
Time sampled.	1210/1275 a	ın.√n.ın.
Product sampled?	Yes	

Recovery and Disposal		
Recovery from DNAPL Drum		
Pure DNAPL to disposal drum.		Gallons
DNAPL/water to disposal drum.	COLUMN TO A STATE OF THE STATE	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)	2	Drums
Spent carbon drums	9	Drums
PPE/Solids drums	1	Drums
LNAPL drums	**************************************	Drums
Drums labeled?	Yes .	(I)
Drums palletized?	Yes	_(N)

Notes: Bubbler Needs New gauge
Remne flow meder, clean & reinstall.

Sight feal @ Conbon Drum 1, tighten
fitting and seems to have stopped

Still repairing doors, latches, insulation.

Noch. Fuel reports leak in vanit, no
obvious visual evidence.

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)	K	Arrow
Refill control setting (departure)	W.	Arrow
DNAPL Drum		
High level shut off operational?	C_{X}	No
Green warning light operational?	Yes	No
DNAPL drum container integrity.	(6000)	Роог
Leaks present?	Yes	No
Decant valve integrity.	Good	Poor
DNAPL Pump and Piping		
DNAPL piping integrity.	Good	Poor
DNAPL pump cleaned?	Yes	040
DNAPL top of pump depth.		Feet

LNAPL/Groundwater System		
Operational upon arrival?	Yes	No
LNAPL pump pressure (arrival)	5	PSI
LNAPL pump pressure (departure)	5	PSI
Bubbler tube operating pressure.		PSI
Pneumatic settings adjusted?	Yes	(No)
Discharge control setting (departure)	- R	Arrow
Refill control setting (departure)	Z	Arrow
LNAPL Pump and Piping		
LNAPL piping integrity.	Good	(Poor)
LNAPL pump cleaned?	Yes	CNS
LNAPL top of pump depth.		Feet
Oil/Water Separator		,
Water high level shut-off operational?	<u>₹65</u>	No
White warning light operational?	€	No
Separator vessel integrity.	Good	Poor
Leaks present?	Yes	(No)
Separator cover and seal integrity.	Good	Poor
Decant valve integrity.	Gaad	Poor
LNAPL in separator?	Yes	(Na)
Separator needs cleaning?	Yes	(A)
Separator cleaned?	Yes	2170

Technician:	7-Pany	
Date:	85-10	

LNAPL/Groundwater System - (Continued)	sies, i antres.	
Transfer Pump and Piping	taliaska i pada sai	
Pump operational?	CVD	No
Pump integrity.	65	Poor
Flow meter operational?		Poor No
Transfer pump flow rate.		GPM
Totalizer reading (cumulative volume).	02.00	4-1
Water filters changed?	Yes	Gallons
Filter unit pressure (arrival/departure)	1 es	PSI
and pressure (arrivaracpartite)	<u> </u>	. 191
Carbon Treatment Drums		
Primary carbon drum integrity.	Good	Poor
Primary carbon drum leaks?	(Ter	No
Primary carbon drum pressure.	3.5	PSI
Primary carbon removed for disposal?	Yes	(No
Secondary carbon drum rotated to primary?	Yes	(No)
New carbon placed in primary drum?	Yes	6
Secondary carbon drum integrity.	Good	
Secondary carbon drain integrity.		Poor
Secondary carbon drum pressure,	Yes	6
Secondary carbon terms pressure. Secondary carbon removed for disposal?	1.5	PSI
Polishing drum rotated to secondary?	Yes	Ø
New carbon placed in secondary drum?	Yes	(C)2
New carbon placed in secondary drum?	Yes	O%
Polishing carbon drum integrity.	Good	Poor
Polishing carbon drum leaks?	Yes	(N)
Polishing carbon drum pressure.	205	PSI
Polishing carbon removed for disposal?	Yes	(Nb
New carbon placed in primary drum?	Yes	<i>∂</i> ₀
Dinglama B		
<u>Discharge Piping</u> Pipe integrity in shed.		_
`	CGood	Poor
Pipe integrity at catch basin. Pipe at catch basin clear?	Good	Poor
Pipe integrity at creek.	CA BB	No
Pipe at creek clear?	Cood	Роог
Type at creek creat;	CY es	No

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

Site Visit Checklist/Data Sheet

Miscellaneous - (Continued)		ige graft v	1
Access Vaults			<u> </u>
Overall vault integrity.	Good	Poor	17:7
Repairs needed to vaults?	Yes	No	5 ° 2
Air Compressor			
Compressor operational?	(Vap	No	
Compressor hours.	93617	Hours	
Oil level checked?	(Ta)	No	
Oil level changed?	Yes	®	
Compressor trap operating?	(Yes)	No	i
Regulator operating?		No .	
Air lines performing properly?	Yes	(No)	-Leak

Sampling		
Primary carbon influent sampled?	Yes	(Ne)
Primary carbon effluent sampled?	Yes	ର୍ଜି
Secondary carbon effluent sampled?	Yes	(Q)
Compliance event?	Yes	€
Time sampled.		a.m.∠p.m.
Product sampled?	Yes	No

Recovery and Disposal		
Recovery from DNAPL Drum Pure DNAPL to disposal drum. DNAPL/water to disposal drum. DNAPL/water to oil/water separator.	075	Gallons Gallons Gallons
Recovery from Oil/Water Separator Pure DNAPL to disposal drum. DNAPL/water to disposal drum. Product, Carbon, Waste Storage		Gallons Gallons
DNAPL drums on-site (full and fractional) Spent carbon drums PPE/Solids drums LNAPL drums Drums labeled? Drums palletized?	2 2 2 Yes Yes	Drums Drums Drums Drums Drums

Notes: Tubing Needs replacement Separative Needs seal of boths

Operational upon arrival?	(Ya)	No
DNAPL pump pressure (arrival)		PSI
DNAPL pump pressure (departure)		PSI
Pneumatic settings adjusted?	Yes	7
Discharge control setting (departure)	NE.	Arrow
Refill control setting (departure)	Ž	Arrow
DNAPL Drum		
High level shut off operational?	(Yes)	No
Green warning light operational?		No
DNAPL drum container integrity.	Good	Poor
Leaks present?	Yes	(6V)
Decant valve integrity.	Good	Poor
DNAPL Pump and Piping		
DNAPL piping integrity.	Good	(Poor)
DNAPL pump cleaned?	Yes	35
DNAPL top of pump depth.	103	Feet

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

Technician:	T. Palmer	
Date:	8-12-10	

Misson warming a programme		
LNAPL/Groundwater System - (Continued)		
Transfer Pump and Piping		
Pump operational?	(Con)	No
Pump integrity.	Good	Poor
Flow meter operational?	Yes	NO
Transfer pump flow rate.		GPM
Totalizer reading (cumulative volume).	232650	Gallons
Water filters changed?	(YES)	No.
Filter unit pressure (arrival/departure)	30/7	PSI
Carbon Treatment Drums		
Primary carbon drum integrity.	Good	Poor
Primary carbon drum leaks?	(YES)	No
Primary carbon drum pressure.	4	PSI
Primary carbon removed for disposal?	Yes	(CD)
Secondary carbon drum rotated to primary?	Yes	
New carbon placed in primary drum?	Yes	®
Secondary carbon drum integrity.	Good	Poor
Secondary carbon drum leaks?	Yes	(No
Secondary carbon drum pressure.	2	PSI
Secondary carbon removed for disposal?	Yes	©
Polishing drum rotated to secondary?	Yes	
New carbon placed in secondary drum?	Yes	
Polishing carbon drum integrity.	Good	Poor
Polishing carbon drum leaks?	Yes	No
Polishing earbon drum pressure.	20.5	PSI
Polishing carbon removed for disposal?	Yes	No
New carbon placed in primary drum?	Yes	W
Discharge Piping		
Pipe integrity in shed.	Good	Poor
Pipe integrity at catch basin.	Good	Poor
Pipe at catch basin clear?	(Yes)	No
Pipe integrity at creek.	Good	Poor
Pipe at creek clear?	(Yes)	No

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

Miscellaneous - (Continued)		
Access Vaidis	<u> </u>	
Overall vault integrity.	Good	Poor
Repairs needed to vaults?	Yes	No
Air Compressor		
Compressor operational?	(Yes)	No
Compressor hours.	9375.8	Hours
Oil level checked?	CYes	No
Oil level changed?	Yes	(No)
Compressor trap operating?	(Tes)	No
Regulator operating?	75	No
Air lines performing properly?	Yes	(No)

Sämpling	1.0	
Primary carbon influent sampled?	Yes	(A)
Primary carbon effluent sampled?	Yes	€
Secondary carbon effluent sampled?	Yes	N
Compliance event?	Yes	No.
Time sampled.		a.m./p.m.
Product sampled?	Yes	No

Recovery and Disposal		
Recovery from DNAPL Drum		T
Pure DNAPL to disposal drum.	30.5	Gallons -
DNAPL/water to disposal drum.		Gallons
DNAPL/water to oil/water separator.	12	Gallons
Recovery from Oil Water Separator	İ	
Pure DNAPL to disposal drum.	·	Gallons
DNAPL/water to disposal drum.		Gallons
Product, Carbon, Waste Storage		
DNAPL drums on-site (full and fractional)	2	Drums
Spent carbon drums	9	Drums
PPE/Solids drums	9	Drums
LNAPL drums		Drums
Drums labeled?	©	No
Drums palletized?	Yes	

Notes: Flow motor Not winking Carbon 1 Still Leaking Stights AN lines Leaking @ Connecting

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)	19	Arrow
Refill control setting (departure)	V.	Агтоw
DNAPL Drum		
High level shut off operational?	(Yea)	No
Green warning light operational?	©	No
DNAPL dram 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	65
DNAPL top of pump depth.		Feet

LNAPL/Groundwater System		Yang San
Operational upon arrival?	Yes	No
LNAPL pump pressure (arrival)	5	PSI
LNAPL pump pressure (departure)	5	PSI
Bubbler tube operating pressure.		PSI
Pneumatic settings adjusted?	Yes	(No)
Discharge control setting (departure)	~	Arrow
Refill control setting (departure)	4	Arrow
LNAPL Pump and Piping		ļ
LNAPL piping integrity.	Good	Pogr
LNAPL pump cleaned?	Yes	
LNAPL top of pump depth.		Feet
Oil Water Separator		
Water high level shut-off operational?	(Va)	No
White warning light operational?	()	No
Separator vessel integrity.	(Good)	Poor
Leaks present?	Yes	6
Separator cover and seal integrity.	Good	Poor
Decant valve integrity.	Good	Poor
LNAPL in separator?	Yes	GD
Separator needs cleaning?	Yes	(S)
Separator cleaned?	Yes	AF6)

Technician:	T. falme	
Date:	8-20-10	

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.	-0	GPM
Totalizer reading (cumulative volume).	232650	Gallons
Water filters changed?	Yes	(No)
Filter unit pressure (arrival/departure)	14	PSI
Carbon Treatment Drums		
Primary carbon drum integrity.	Good	Poor
Primary carbon drum leaks?	(Ya)	No
Primary carbon drum pressure.	3.5	PSI
Primary carbon removed for disposal?	Yes	
Secondary carbon drum rotated to primary?	Yes	
New carbon placed in primary drum?	Yes	(N)
Secondary carbon drum integrity.	Good	Poor
Secondary carbon drum leaks?	Yes	(No)
Secondary carbon drum pressure.	1	PSI
Secondary carbon removed for disposal?	Yes	(TO)
Polishing drum rotated to secondary?	Yes	(D)
New carbon placed in secondary drum?	Yes	(No)
Deliabing and an description of		_
Polishing carbon drum integrity. Polishing carbon drum leaks?	Good	Poor
-	Yes	No
Polishing carbon drum pressure.	<u> </u>	PSI
Polishing carbon removed for disposal?	Yes	
New carbon placed in primary drum?	Yes	
Discharge Piping		
Pipe integrity in shed.	(00g)	Poor
Pipe integrity at catch basin.	Cood	Poor
Pipe at catch basin clear?	(Tes>	No
Pipe integrity at creek.	Cood	Poor
Pipe at creek clear?	(FES)	No

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

Miscellancous - (Continued)		
Access Vaults		
Overall yault integrity.	Good	Poor
Repairs needed to vaults?	Yes	No
Air Compressor		
Compressor operational?	(Yes)	No
Compressor hours.		Hours
Oil level checked?	C	No
Oil level changed?	Yes	
Compressor trap operating?	(E)	No
Regulator operating?		No
Air lines performing properly?	Yes	(40)

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

Recovery and Disposal		
Recovery from DNAPL Drum Pure DNAPL to disposal drum. DNAPL/water to disposal drum. DNAPL/water to oil/water separator.	9025 6.5	Gallons Gallons Gallons
Recovery from Oil-Water Separator Pure DNAPL to disposal drum. DNAPL/water to disposal drum.		Gallons Gallons
Product, Carbon, Waste Storage DNAPL drums on-site (full and fractional) Spent carbon drums PPE/Solids drums LNAPL drums	3	Drums Drums Drums Drums
Drums labeled? Drums palletized?	Yes	No No

Notes: Compressor running very hot, Shut-Clown compressor + LNAPL, DNAPL pumps.

DNAPL System		
Operational upon arrival?	Yes	
DNAPL pump pressure (arrival)		PSI
DNAPL pump pressure (departure)		PSI
Pneumatic settings adjusted?	Yes	No
Discharge control setting (departure) 5hw	aff	Arrow
Refill control setting (departure)		Airow
DNAPL Drum		1
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
DNAPI, Pump and Piping		
DNAPL piping integrity.	Good	Роог
DNAPL pump cleaned?	Yes	No
DNAPL top of pump depth.		Feet

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

Technician:	T. Palmer
Date:	8.27-10

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LNAPL/Groundwater System - (Continued)		
Transfer Pump and Piping		
Pump operational?	CY ₂₂	No
Pump integrity.	Good	Poor
Flow meter operational?	Yes	(No)
Transfer pump flow rate.		GPM
Totalizer reading (cumulative volume).	C. C. C. C. C. C. C. C. C. C. C. C. C. C	Gallons
Water filters changed?	Yes	0
Filter unit pressure (arrival/departure)	7_	PS!
Carbon Treatment Drums	-	,
Primary carbon drum integrity.	Coood	Poor
Primary carbon drum leaks?	Yes	No
Primary carbon drum pressure.	3.5	PSI
Primary carbon removed for disposal?	Yes	(S)2
Secondary carbon drum rotated to primary?	Yes	No
New carbon placed in primary drum?	Yes	(A)
		-
Secondary carbon drum integrity.	G 😡	Poor
Secondary carbon drum leaks?	Yes	(No
Secondary carbon drum pressure.	1	PSI
Secondary carbon removed for disposal?	Yes	(P)
Polishing drum rotated to secondary?	Yes	₫
New carbon placed in secondary drum?	Yes	6
Polishing carbon drum integrity.	Goog	Poor
Polishing carbon drum leaks?	Yes	(No)
Polishing carbon drum pressure.	O	PSI
Polishing carbon removed for disposal?	Yes	@
New carbon placed in primary drum?	Yes	(No)
Discharge Piping		
Pipe integrity in shed.	Good	Poor
Pipe integrity at catch basin.	Good	Poor
Pipe at catch basin clear?	₫	No
Pipe integrity at creek.	Good	Роог
Pipe at creek clear?	Yes	No

Building and Site Remediation shed integrity.	Good	Poor
Shed ventilation acceptable?	Yes	(N)
Repairs/work needed?	(es)	No
Spill evidence?	Yes	No
Electrical and Heating 2 6 (V		
Electric controls operational 40 H	Yes	No
Heater operational	Yes	No

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

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

Recovery and Disposal		
Recovery from DNAPL Driun		
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)	2	Drims
Spent carbon drums	9	Drums
PPE/Solids drums	علق	Drums
LNAPL drums		Drums
Drums labeled?	Yus	No
Drums palletized?	Yes	N _Q

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Ein .	Ge	olog	Inc.	φò	Come System
front	de Sho	M	Prem	nasic	- System

DNAPL System		
Operational upon arrival?	Yes	No
DNAPL pump pressure (arrival)	<u></u>	PSI
DNAPL pump pressure (arrival) DNAPL pump pressure (departure)	* 	PSI
Pneumatic settings adjusted?	Yes	No
Discharge control setting (departure)		Arrow
Refill control setting (departure)		Arrow
		1
DNAPL: Drum		
High level shut off operational?	Yes	No
Green warning light operational?	Yes	No
DNAPL dram container integrity.	Good	Poor
Leaks present?	Yes	No
Decant valve integrity.	Good	Poor
		Į
DNAPL Pump and Piping	1	
DNAPL piping integrity.	Good	Poor
DNAPL pump cleaned?	Yes	No
DNAPL top of pump depth.	ļ ———	Feet

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

Technician:	" J. V. William	
Date:	9-3-10	

RESPONDED AND RESERVED AND RESPONDED TO THE RESPONDED TO	Children to the Britain	112 31 25kraussi, 182
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.		GPM
Totalizer reading (cumulative volume).		Gallons
Water filters changed?	(Yes)	No
Filter unit pressure (arrival/departure)	25/6	PSi
Carbon Treatment Drums		
Primary carbon drum integrity.	Clood	Poor
Primary carbon drum leaks?	Yes	No
Primary carbon drum pressure.	.5	PSI
Primary carbon removed for disposal?	Yes	CB)
Secondary carbon drum rotated to primary?	Yes	(P)
New carbon placed in primary drum?	Yes	No
Secondary carbon drum integrity.	Good	Poor
Secondary carbon drum leaks?	Yes	
Secondary carbon drum pressure.	ī	PSI
Secondary carbon removed for disposal?	Yes	(No)
Polishing drum rotated to secondary?	Yes	No
New carbon placed in secondary drum?	Yes	O
Polishing carbon drum integrity.	Good	Poor
Polishing carbon drum leaks?	Yes	(N)
Polishing carbon drum pressure.	0	PSI
Polishing carbon removed for disposal?	Yes	(V)
New carbon placed in primary drum?	Yes	
Discharge Piping		
Pipe integrity in shed.	Good	Poor
Pipe integrity at catch basin.	Good	Poor
Pipe at catch basin clear?	Yes	No
Pipe integrity at creek,	Good	Poor
Pipe at creek clear?	Yes	No

Miscellaneous	2.3	
Building and Site		
Remediation shed integrity.	Gnow	Poor
Shed ventilation acceptable?	Yes	TO O
Repairs/work needed?	(Ye)	No
Spill evidence?	Yes	Na
Electrical and Heating		
Electrical and Heating Electric controls operational	Yes	No
Heater operational	Yes	No

Miscellancous - (Continued)		
Access Vaults		Į
Overall vault integrity.	Good	Poor
Repairs needed to vaults?	Yes	No
Air Compressor Compressor operational? Compressor hours.	N 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	N
Time sampled.		a.m./p.m.
Product sampled?	Yes	

Recovery and Disposal		
Recovery from DNAPL Drum		
Pure DNAPL to disposal drum.		Gallons
DNAPL/water to disposal drum.		Gallons
DNAPL/water to oil/water separator.		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)	٦ 2	Drums
Spent carbon drums	9	Drums
PPE/Solids drums	J	Drums
LNAPL drums		Drums
Drums labeled?	(FB)	No
Drums palletized?	Yes	(No)

Notes: Flowmoder ordered and on the way.

New Filter housing ordered

Debris from west sole of steel removed.

DNAPL System		
Operational upon arrival?	Yes	(No)
DNAPL pump pressure (arrival)		PSI
DNAPL pump pressure (departure)		PSI
Preumatic settings adjusted? Discharge control setting (departure) Refill control setting (departure)	Yes	No
Discharge control setting (departure)		Arrow
Refill control setting (departure) 500		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	Νo
Decant valve integrity.	Good	Poor
DNAPL Pump and Piping		
DNAPL piping integrity.	Good	Poor
DNAPL pump cleaned?	Yes	No
DNAPL top of pump depth.		Feet

LNAPL/Groundwater System		
Operational upon arrival?	Yes	(NO)
LNAPL pump pressure (arrival)		PSI
LNAPL pump pressure (departure)		PS1
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	No
LNAPL top of pump depth.		Feet
Oil Water Separator	ļ	
Water high level shut-off operational?	(Ye)	No
White warning light operational?	6	No
Separator vessel integrity.	(360a)	Poor
Leaks present?	Yes	(No)
Separator cover and seal integrity.	Good	Poor
Decant valve integrity.	(060d)	Poor
LNAPL in separator?	Yes	(No)
Separator needs cleaning?	Yes	(S)
Separator cleaned?	Yes	Afor.

Date: 9-8-10	Technician;	1- Palmer	
	Date:	9-8-10	

LNAPI/Groundwater System (Continued)		
Transfer Pump and Piping		
Pump operational?	(Pe)	No
Pump integrity.	Good	Poor
Flow meter operational?	Yes	(140)
Transfer pump flow rate.	·	GPM
Totalizer reading (cumulative volume).		Gallons
Water filters changed?	(Yes 3	No
Filter unit pressure (arrival/departure)	5	PS1
Carbon Treatment Drums		
Primary carbon drum integrity.	Cood	Poor
Primary carbon drum leaks?	Yes	No
Primary carbon drum pressure.	3.5	PS1
Primary carbon removed for disposal?	Yes	(N)
Secondary carbon drum rotated to primary?	Yes	₽
New carbon placed in primary drum?	Yes	
Secondary carbon drum integrity.	Good	Poor
Secondary carbon drum leaks?	Yes	(Fig.
Secondary carbon drum pressure.	2	PSI
Secondary carbon removed for disposal?	Yes	(To
Polishing drum rotated to secondary?	Yes	OD .
New carbon placed in secondary drum?	Yes	6
Polishing carbon drum integrity.	(Fig. 1)	Poor
Polishing carbon drum leaks?	Yes	©
Polishing carbon drum pressure.	0.5	PSI
Polishing carbon removed for disposal?	Yes	Q 2
New carbon placed in primary drum?	Yes	6
Discharge Piping		
Pipe integrity in shed.	⊘ 660⊃	Poor
Pipe integrity at catch basin.	Good	Poor
Pipe at catch basin clear?	CE6	No
Pipe integrity at creek.	حاممتك	Poor
Pipe at creek clear?	1	No

Miscellaneous		
Building and Site Remediation shed integrity. Shed ventilation acceptable?	Gead Yes	Poor
Repairs/work needed? Spill evidence?	Yes	No No
Electrical and Heating Electric controls operational Heater operational Turned 0.4	Yes	No No

Miscellaneous - (Continued)		}
Access Vaults		
Overall vault integrity.	Good	Poor 🤊 (
Repairs needed to vaults?	Yes	No 5
Air Compressor	1	
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	
Primary carbon effluent sampled?	Yes	@
Secondary carbon effluent sampled?	Yes	
Compliance event?	Yes	(3%
Time sampled.		a.m./p.m.
Product sampled?	Yes	1 600

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)	2	Drums
Spent carbon drums	q	Drums
PPE/Solids drums	a _	Drums
LNAPL drums		Drums
Drums labeled?	(Yes)	No
Drums palletized?	Yes	(#for

otes: Tustall	new fill	en House	n	
Install	Valumn	breaken	70	prevent
1	haden from Carbor	sphon	n o	it of
	Carbur	1 Drume	<u> </u>	

DNAPL System		20 mil 18 18 de 2
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		İ
DNAPL piping integrity.	Good	Poor
DNAPL pump cleaned?	Yes	No
DNAPL top of pump depth.		Feet

LNAPL/Groundwater System		
Operational upon arrival?	Yes	(No)
LNAPL pump pressure (arrival)		PSI
LNAPL pump pressure (departure)		PSI
Bubbler tube operating pressure.		PSI
Pneumatic settings adjusted?	Yes	No
Discharge control setting (departure)		Arrow
Refill control setting (departure)		Arrow
LNAPL Pump and Piping		
LNAPL piping integrity,	Good	Poor
LNAPL pump cleaned?	Yes	No
LNAPL top of pump depth.		Feet
Oil Water Separator		
Water high level shut-off operational?	⊘ €9	No
White warning light operational?	(E)	No
Separator vessel integrity.	(G000)	Pour
Leaks present?	Yes	(A)(A)
Separator cover and seal integrity.	Good	(Foot)
Decant valve integrity.	(Good)	Poor
LNAPL in separator?	Yes	CNO
Separator needs cleaning?	Yes	(Na)
Separator cleaned?	Yes	∠ STG ₂

Technician:	7.	a me	
Date:	9-15	-10	

LNAPL/Groundwater System - (Continued)	egging, gables a la	ngjin aya di ga
Transfer Pump and Piping		idalika jeri
Pump operational?		3.0
Pump integrity.		No
Flow meter operational?	0000	Poor
Transfer pump flow rate.	108	GPM
Totalizer reading (cumulative volume).	73.03	Gallons
Water filters changed?	(6.3.69) Yes	(No)
Filter unit pressure (arrival/departure)	res	
ritter unit pressure (airivandeparture)		PS!
Carbon Treatment Drums		
Primary carbon drum integrity.	(5002)	Poor
Primary carbon drum leaks?	G.S.	No.
Primary carbon drum pressure.	- 103	PSI
Primary carbon removed for disposal?	Yes	(140)
Secondary carbon drum rotated to primary?	Yes	
New carbon placed in primary drum?	Yes	(No.
	1	
Secondary carbon drum integrity.	Cood	Poor
Secondary carbon drum leaks?	Yes	(No)
Secondary carbon drum pressure.	2.5	PSI
Secondary carbon removed for disposal?	Yes	(50)
Polishing drum rotated to secondary?	Yes	₹
New carbon placed in secondary drum?	Yes	(No
		_
Polishing carbon drum integrity.	Good	Poor
Polishing carbon drum leaks?	Yes	
Polishing carbon drum pressure.	1.0	PSI
Polishing carbon removed for disposal?	Yes	(No
New carbon placed in primary drum?	Yes	(G)
Discharge Piping		
Pipe integrity in shed.	(Coef)	Poor
Pipe integrity at catch basin.	Chand	Poor
Pipe at catch basin clear?	√ 6€	No
Pipe integrity at creek.	Good	Poor
Pipe at creek clear?		No

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

Miscellaneous - (Continued)		
Access Vaults		
Overall vault integrity.	Good	Poor 7
Repairs needed to vaults?	Yes	No 3
Air Compressor	1	į ,
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	TON
Primary carbon effluent sampled?	Yes	(N)
Secondary carbon effluent sampled?	Yes	ND
Compliance event?	Yes	(N)
Time sampled.		a.m./p.m.
Product sampled?	Yes	740)

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)	<u>م</u>	Drums
Spent carbon drums	G	Drums
PPE/Solids drums	3	Drums
LNAPL drums		Drums
Drums labeled?	(res)	No
Drums palletized?	Yes	(No)

Notes: New Flow moder installed 9.13-10

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

LNAPL/Groundwater System		4
Operational upon arrival?	Yes	6
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)		Аптом
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?	(Yee)	Nο
White warning light operational?	(Ves	No
Separator vessel integrity.	Good	Poor
Leaks present?	Yes .	(No)
Separator cover and seal integrity.	Good	Poor
Decant valve integrity.	Good	Poor
LNAPL in separator?	Yes	(No)
Separator needs cleaning?	Yes	©
Separator cleaned?	Yes	1987

Technician:	T. Palmer	
Date:	9-22-10	

The state of the s		
LNAPL/Groundwater System - (Continued)	Statistics of the same	
Transfer Pump and Piping		
Pump operational?	(Yes	No
Pump integrity.	(C000)	Роог
Flow meter operational?	(Yes)	Na
Transfer pump flow rate.	3.57	GPM
Totalizer reading (cumulative volume).	1417.38	Gallons
Water filters changed?	Yes	(No)
Filter unit pressure (arrival/departure)	द	PSI
Carbon Treatment Drums	\	
Primary carbon drum integrity.	Cood	Poor
Primary carbon drum leaks?		No
Primary carbon drum pressure.	4.5	PS1
Primary carbon removed for disposal?	Yes	(D)
Secondary carbon drum rotated to primary?	Yes	(C)
New carbon placed in primary drum?	Yes	(FG)
Secondary carbon drum integrity.	Good	Poor
Secondary carbon drum leaks?	Yes	€
Secondary carbon drum pressure.	2.5	PSI
Secondary carbon removed for disposal?	Yes	(Sp
Polishing dram rotated to secondary?	Yes	(S)
New carbon placed in secondary drum?	Yes	CNO
Polishing carbon drum integrity.	(5000)	Poor
Polishing carbon drum leaks?	Yes	(N)
Polishing carbon drum pressure.	21.0	PSI
Polishing carbon removed for disposal?	Yes	(No
New carbon placed in primary drum?	Yes	(No
!]	-
Discharge Piping		
Pipe integrity in shed,	(Good)	Роог
Pipe integrity at catch basin.	Good	Poor
Pipe at catch basin clear?	(Tes)	No
Pipe integrity at creek.	Good	Poor
Pipe at creek clear?	(F)	No

Miscellaneous		
Building and Site	1	<u> </u>
Remediation shed integrity.	Cood	Poor
Shed ventilation acceptable?	Yes	T
Repairs/work needed?	(Teo)	No
Spill evidence?	Yes	حملات
Electrical and Heating		
Electric controls operational	رقي ا	No
Heater operational Turned Off	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	(40)
Primary carbon effluent sampled?	Yes	(C)
Secondary carbon effluent sampled?	Yes	
Compliance event?	Yes	
Time sampled.		a.m./p.m.
Product sampled?	Yes	(A)

Recovery and Disposal		
Recovery from DNAPL Drum		
Pure DNAPL to disposal drum,		Gallons i
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)	7	Drums
Spent carbon drums	9	Drums
PPE/Solids drums	3	Drums
LNAPL drums		Drums
Drums labeled?	(Yes)	No
Drums palletized?	Yes	(40)

DNAPL System		10011
Operational upon arrival?	Yes	GA
DNAPL pump pressure (arrival)		PSI
DNAPL pump pressure (departure)	24	PSI
Pneumatic settings adjusted?	(Ves>	No
Discharge control setting (departure)	-	Arrow
Refill control setting (departure)	1	Arrow
DNAPL Drum		
High level shut off operational?	\$	No
Green warning light operational?	Cites>	No
DNAPL drum container integrity.	(Good)	Poor
Leaks present?	Yes	
Decant valve integrity.	₹	Poor
DNAPL Pump and Piping		
DNAPL piping integrity.	Good	Poor
DNAPL pump cleaned?	(Yes)	No
DNAPL top of pump depth.		Feet

LNAPL/Groundwater System		16.
Operational upon arrival?	Yes	(Ñ)
LNAPL pump pressure (arrival)	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	PSI
LNAPL pump pressure (departure)	28	PSI
Bubbler tube operating pressure.	6	PS1
Pneumatic settings adjusted?	(Cap)	No
Discharge control setting (departure)	7	Arrow
Refill control setting (departure)	291	Arrow
LNAPL Pump and Piping		
LNAPL piping integrity,	Cioca	Роог
LNAPL pump cleaned?	Yes	
LNAPL top of pump depth.		Feet
Oil-Water Separator		
Water high level shut-off operational?	(Te)	No
White warning light operational?		No
Separator vessel integrity.	Cood	Poor
Leaks present?	Yes	(Na)
Separator cover and seal integrity.	Good	Poor
Decant valve integrity.	(000)	Poor
LNAPL in separator?	Yes	Ø
Separator needs cleaning?	Yes	(No
Separator cleaned?	Yes	(No)

Technician:	T. Palmy	
Date:	9-27-10	

INAPL/Groundwater System - (Continued)		
Transfer Pump and Piping		
Pump operational?	C'es	Νο
Pump integrity,	Good	Poor
Flow meter operational?	(Tes>	No
Transfer pump flow rate.	4.54	GPM
Totalizer reading (cumulative volume).	2377 86	Gallons
Water filters changed?	Yes	(No
Filter unit pressure (arrival/departure)	12	PSI
Carbon Treatment Drums		
Primary carbon drum integrity.	Cinco	Роог
Primary carbon drum leaks?		No
Primary carbon drum pressure.	5	PSI
Primary carbon removed for disposal?	Yes	€No
Secondary carbon drum rotated to primary?	Yes	
New carbon placed in primary drum?	Yes	6
Secondary carbon drum integrity.	Good	Poor
Secondary carbon drum leaks?	Yes	(Na)
Secondary carbon drum pressure.	25	PSI
Secondary carbon removed for disposal?	Yes	Ø₽
Polishing drum rotated to secondary?	Yes	1
New carbon placed in secondary drum?	Yes	6
Polishing carbon drum integrity.	(C000)	Poor
Polishing carbon drum leaks?	Yes	(T)
Polishing carbon drum pressure.	1	PSI
Polishing carbon removed for disposal?	Yes	(N)
New carbon placed in primary drum?	Yes	6
Discharge Piping		_
Pipe integrity in shed.	Green, and	
Pipe integrity at catch basin.	0000	Poor
Pipe at catch basin clear?	2000	Poor
Pipe integrity at creek.		Уo
Pipe at creek clear?	V.	Poor No
Tipo di bison olcari		סאו

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

Miscellaneous - (Continued)		
Access Vaults		
Overall vault integrity.	Good	Poor 7
Repairs needed to vaults?	Yes	No J
Air Compressor		
Compressor operational?	Yes	No (
Compressor hours.	9398.4	Hours
Oil level checked?	(YES)	No
Oil level changed?	Yes	
Compressor trap operating?	©	No
Regulator operating?		No
Air lines performing properly?	₹ Tes	No

Sampling		
Primary carbon influent sampled?	(Year)	No
Primary carbon effluent sampled?	CYSP .	No
Secondary carbon effluent sampled?	Yes	(No)
Compliance event? Quarter Sample	Yes	No
Time sampled.	1200/1220	a.m./p.m.
Product sampled?	Yes	

Recovery and Disposal		
Recovery from DNAPL Drum		
Pure DNAPL to disposal drum.		Gallons ·
DNAPL/water to disposal drum.		Gallons
DNAPL/water to oil/water separator.		Gallons
· '		İ
Recovery from Oil Water Separator	ĺ	ì
Pure DNAPL to disposal drum.		Gallons
DNAPL/water to disposal drum.		Gallons
1		1
Product, Carbon, Waste Storage		
DNAPL drums on-site (full and fractional)	2	Drums
Spent carbon drums	a	Druins
PPE/Solids drums	2	Drums
LNAPL drums		Drums
Drums labeled?	(*tes)	No
Drums palletized?	Yes	No

Notes: Geopumps on side: replace down well tabing, some controller tabing.

Restart System

Operational upon arrival?	(Yes)	No
DNAPL pump pressure (arrival)		PSI
DNAPL pump pressure (departure)	28	PSI
Pneumatic settings adjusted?	(G)	No
Discharge control setting (departure)	1	Arrow
Refill control setting (departure)	->	Arrow
DNAPL Drum		
High level shut off operational?	(Tes	No
Green warning light operational?	₹	No
DNAPL drum container integrity.	€ 660	Poor
Leaks present?	Yes	(ND)
Decant valve integrity.	G000	Poor
DNAPL Pump and Piping		
DNAPL piping integrity.	Good	Poor
DNAPL pump cleaned?	Yes	No
DNAPL top of pump depth.		Feet

LNAPL/Groundwater System		
Operational upon arrival?	(Yes)	No
LNAPL pump pressure (arrival)	30	PSI
LNAPL pump pressure (departure)	30	PSI
Bubbler tube operating pressure.	6	PSI
Pneumatic settings adjusted?	Yes	(No)
Discharge control setting (departure)	15	Arrow
Refill control setting (departure)	7	Arrow
LNAPL Pump and Piping		
LNAPL piping integrity.	Good	Poor
LNAPL pump cleaned?	Yes	
LNAPL top of pump depth.		Feet
Oil Water Separator		
Water high level shut-off operational?	(Yes)	No
wire warning light operational?		No
Separator vessel integrity.	Good	Poor
Leaks present?	Yes	(No)
Separator cover and seal integrity.	Good	Poor
Decant valve integrity.	Good	Poor
LNAPL in separator?	Yes	(No)
Separator needs cleaning?	Yes	(No)
Separator cleaned?	Yes	NS NS

Technician:	T. falmer	
Date:	10-6-10	

PER AND AND AND AND AND AND AND AND AND AND		
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.	4.54	GPM
Totalizer reading (cumulative volume).	3995.14	Gallons
Water filters changed?	(Tes)	No
Filter unit pressure (arrival/departure)	30/5	PSI
Cash of Transaction of Danier		
Carbon Treatment Drums	-	
Primary carbon drum integrity.	Good	Poor
Primary carbon drum leaks?	<u> </u>	No
Primary carbon drum pressure.	5	PSI
Primary carbon removed for disposal?	Yes	®
Secondary carbon drum rotated to primary?	Yes	(No)
New carbon placed in primary drum?	Yes	
Secondary carbon drum integrity.	(Ga)	Poor
Secondary carbon drum leaks?	Yes	(Na)
Secondary carbon drum pressure.	3	PSI
Secondary carbon removed for disposal?	Yes	(No
Polishing drum rotated to secondary?	Yes	(NP
New carbon placed in secondary drum?	Yes	(N)
Polishing carbon drum integrity.	Good	Poor
Polishing carbon drum leaks?	Yes	(NA)
Polishing carbon drum pressure.	j	PSI
Polishing carbon removed for disposal?	Yes	Q23
New carbon placed in primary drum?	Yes	6
Discharge Piping		
Pipe integrity in shed.	-	
Pipe integrity at catch basin.	C0000	Poor
Pipe at catch basin clear?	0000	Poor
•	CY ES	No
Pipe integrity at creek.	Good	Poor
Pipe at creek clear?	Yes	No

Miscellaneous		
Building and Site Remediation shed integrity.	Good	
Shed ventilation acceptable?	Yes	Poor
Repairs/work needed?	Yes	No
Spill evidence?	Yes	(No)
Electrical and Heating		
Electric controls operational	OP	No
Heater operational Tunal 00	Yes	No

Miscellaneous - (Continued)		
Access Vaults		
Overall vault integrity.	Good	Poor
Repairs needed to vaults?	Yes	No 5
Air Compressor		
Compressor operational?	(Yes)	No:
Compressor hours,	9451.6	Hours
Oil level checked?	₹	Nο
Oil level changed?	Yes	TYOY
Compressor trap operating?	<\text{Yes}	No
Regulator operating?	(Tea)	No
Air lines performing properly?	○ CES	No

Sampling		
Primary carbon influent sampled?	Yes	(D)
Primary carbon effluent sampled?	Yes	(40)
Secondary carbon effluent sampled?	Yes	₫0
Compliance event?	Yes	(ND)
Time sampled.		a.m./p.m.
Product sampled?	Yes	₹ 778

Recovery and Disposal		
Recovery from DNAPL Drum Pure DNAPL to disposal drum. DNAPL/water to disposal drum. DNAPL/water to oil/water separator.	0.3	Gallons Gallons Gallons
Recovery from Oil Water Separator Pure DNAPL to disposal drum. DNAPL/water to disposal drum.	Constitution of the last of th	Gallons Gallons
Product, Carbon, Waste Storage DNAPL drums on-site (full and fractional) Spent carbon drums PPE/Solids drums LNAPL drums Drums labeled? Drums palletized?	2 2 3 7 5	Drums Drums Drums Drums No

Notes: Change filty

DNAPL System		alebia A. di
Operational upon arrival?	(Yes)	No
DNAPL pump pressure (arrival)	32	PSI
DNAPL pump pressure (departure)	29	PSI
Pneumatic settings adjusted?	(Yes)	No
Discharge control setting (departure)	N-	Arrow
Refill control setting (departure)	ø.	Arrow
DNAPI, Drum		
High level shut off operational?	(Yes)	No
Green warning light operational?	Yes	No
DNAPL drum container integrity.	Good	Poor
Leaks present?	Yes	No
Decant valve integrity.	Good	Poor
DNAPL Pump and Piping		[
DNAPL piping integrity.	Good	Poor
DNAPL pump cleaned?	Yes	(No)
DNAPL top of pump depth.		Feet

LNAPL/Groundwater System		Marin d
Operational upon arrival?	Yes ²	No
LNAPL pump pressure (arrival)	30	PSI
LNAPL pump pressure (departure)	30	PSI
Bubbler tube operating pressure.	6	PSI
Pneumatic settings adjusted?	Yes	100
Discharge control setting (departure)	1	Arrow
Refill control setting (departure)	¥	Arrow
LNAPL Pump and Piping		Į į
LNAPL piping integrity.	Good	Poor
LNAPL pump cleaned?	Yes	(No)
LNAPL top of pump depth.		Feet
Oil Water Separator		·
Water high level shut-off operational?	(Yes)	No
-White warning light operational?	(Yes	No
Separator vessel integrity.	(Good)	Poor
Leaks present?	Yes	(No)
Separator cover and seal integrity.	Good	(Poor)
Decant valve integrity.	(Good)	Poor
LNAPL in separator?	Yes	(No
Separator needs cleaning?	Yes	OND
Separator cleaned?	Yes	NO

Technician:	7. Calmer	
Date:	10-14-10	

International Control of the Control		
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.	4.26	GPM
Totalizer reading (cumulative volume).	7625	Galions
Water filters changed?	(Yes)	No
Filter unit pressure (arrival/departure)	28/6	PSI
Carbon Treatment Drums	[[
Primary carbon drum integrity	Good	Poor
Primary carbon drum leaks?	(Yes)	No.
Primary carbon drum pressure.		PSI
Primary carbon removed for disposal?	Yes	1 121
Secondary carbon drum rotated to primary?	Yes	S
New carbon placed in primary drum?	Yes Yes	(No)
New caroon praced in printary didding	Yes	(No)
Secondary carbon drum integrity.	(G009)	Poor
Secondary carbon drum leaks?	Yes	(No)
Secondary carbon drum pressure.	3	PSI
Secondary carbon removed for disposal?	Yes	(N)
Polishing drum rotated to secondary?	Yes	Ø.
New carbon placed in secondary drum?	Yes	™
Polishing carbon drum integrity.	Good	Pour
Polishing carbon drum leaks?	Yes	roor
Polishing carbon drum pressure.	Tes	(***)
	1.3	PSI
Polishing carbon removed for disposal?	Yes	(N)
New carbon placed in primary drum?	Yes	
Discharge Piping		
Pipe integrity in shed.	6000	Poor
Pipe integrity at catch basin.	Good	Poor
Pipe at catch basin clear?	(E)	No
Pipe integrity at creek.	600	Poor
Pipe at creek clear?	Z	No

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

Miscellaneous - (Continued)		
Access Vaults		
Overall vault integrity.	Good	Poor 🕶
Repairs needed to vaults?	Yes	No
Air Compressor		
Compressor operational?	Yes	. No
Compressor hours.	9461.2	Hours
Oil level checked?	(Yes)	No
Oil level changed?	Yes	(A)
Compressor trap operating?	(C)	No
Regulator operating?	⊘	No
Air lines performing properly?		No

Sampling		
Primary carbon influent sampled?	Yes	(N ₀)
Primary carbon effluent sampled?	Yes	
Secondary carbon effluent sampled?	Yes	(D)
Compliance event?	Yes	Gub
Time sampled.		1 a.m./p.m.
Product sampled?	Yes	1 (5)

Recovery and Disposal		
Recovery from DNAPL Drum		
Pure DNAPL to disposal drum.	1602	Gallons
DNAPL/water to disposal drum.	0.5	Gallons
DNAPL/water to oil/water separator.	≈60	Gallons
Recovery from Oil Water Separator		
Pure DNAPL to disposal drum.		Gallons
DNAPL/water to disposal drum.		Gallons
Praduct, Carbon, Waste Storage		
DNAPL drums on-site (full and fractional)	3	Drums
Spent carbon drums	9	Drums
PPE/Solids drums	4	Drums
LNAPL drums		Drums.
Drums labeled?	⟨Yés⟩	No .
Drums palletized?	Yes	(No)

Notes: DNAPL drum fill when carried on site.
Replace water filter

Operational upon arrival?	(Yes)	No
DNAPL pump pressure (arrival)	29	PSI
DNAPL pump pressure (departure)	24	PSI
Pneumatic settings adjusted?	Yes	(No.)
Discharge control setting (departure)	K	Arrow
Refill control setting (departure)	K	Апоw
DNAPL Drum		
High level shut off operational?	⊘	No
Green warning light operational?	(6)	No
DNAPL dram container integrity.	Good	Poor
Leaks present?	Yes	(N)
Decant valve integrity.	Good	Poor
DNAPL Pump and Piping		
DNAPL piping integrity.	Good	Poor
DNAPL pump cleaned?	Yes	(No
DNAPL top of pump depth.		Feet

LNAPL/Groundwater System		
Operational upon arrival?	(Yes)	No
LNAPL pump pressure (arrival)	30	PSI
LNAPL pump pressure (departure)	30	PSI
Bubbler tube operating pressure.	6	PS1
Pneumatic settings adjusted?	Yes	(No
Discharge control setting (departure)	R	Airow
Refill control setting (departure)		Airow
LNAPL Pump and Piping		
LNAPL piping integrity.	(D000)	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?	(Va)	No
Separator vessel integrity.	Good	Poor
Leaks present?	Yes	(No)
Separator cover and seal integrity.	Good	(Foor
Decant valve integrity.	Good	Poor
LNAPL in separator?	Yes	(ND)
Separator needs cleaning?	Yes	(No)
Separator cleaned?	Yes	(No)

Technician:	T-Palmer	
Date:	10-26-10	

THE STATE OF THE S		
LNAPL/Groundwater System - (Continued)		
Transfer Pump and Piping		
Pump operational?	Yes	No
Pump integrity.	6.00D	Poor
Flow meter operational?	©	No
Transfer pump flow rate.	397	GPM
Totalizer reading (cumulative volume).	8727	Gallons
Water filters changed?	Yes	(Ng)
Filter unit pressure (arrival/departure)	৭	PSI
		1
Carbon Treatment Drums		
Primary carbon drum integrity.	(Good)	Poor
Primary carbon drum leaks?	(YES)	No
Primary carbon drum pressure.	5	PSI
Primary carbon removed for disposal?	Yes	
Secondary carbon drum rotated to primary?	Yes	CNO
New carbon placed in primary drum?	Yes	
Secondary carbon drum integrity,	Good	Poor
Secondary carbon drum leaks?	Yes	(No)
Secondary carbon drum pressure.	3	PSI
Secondary carbon removed for disposal?	Yes	CND
Polishing drum rotated to secondary?	Yes	
New carbon placed in secondary drum?	Yes	(No)
Polishing carbon drum integrity.	(Good)	Poor
Polishing carbon drum leaks?	Yes	(No)
Polishing carbon drum pressure.	1	PSI
Polishing carbon removed for disposal?	Yes	
New carbon placed in primary drum?	Yes	
- •		
Discharge Piping		
Pipe integrity in shed.	(Gio)	Poor
Pipe integrity at catch basin.	Good	Poor
Pipe at catch basin clear?		No
Pipe integrity at creek.	(ipa)	Poor
Pipe at creek clear?	(Te)	No

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

Miscellaneous - (Continued)		
Access Vaults		T
Overall vault integrity,	Good	Poor
Repairs needed to vaults?	Yes	No .
Air Compressor	ĺ	
Compressor operational?	(Yes)	No
Compressor hours.	4496.4	Hours
Oil level checked?	(Ye)'	No
Oil level changed?	Yes	(59E)
Compressor trap operating?	(Ta)	No
Regulator operating?	1 0	No
Air lines performing properly?	Yes	No

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

Recovery and Disposal		
Recovery from DNAPL Drum		
Pure DNAPL to disposal drum,		Gallons
DNAPL/water to disposal drum.		Gallons
DNAPL/water to oil/water separator.		Gallons
Recovery from Oil Water Separator	-	i
Pure DNAPL to disposal drum.		Gallons
DNAPL/water to disposal drum.		Gallons
Product, Carbon, Waste Storage		
DNAPL drums on-site (full and fractional)	2	Drums
Spent carbon drums	9	Drums
PPE/Solids drums	2	Drums
LNAPL drums		Drums
Drums labeled?	(YES)	No -
Drums palletized?	Yes	(No)

Operational upon arrival?	(Yes)	No
DNAPL pump pressure (arrival)	39	PSI
DNAPL pump pressure (departure)	28	PSI
Pneumatic settings adjusted?	Yes	No
Discharge control setting (departure)	~	Arrow
Refill control setting (departure)	Z.	Агтом
DNAPI, Drum		
High level shut off operational?	(Yes)	No
Green warning light operational?	No.	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)

LNAPL/Groundwater System		August 6
Operational upon arrival?	(Yes)	No
LNAPL pump pressure (arrival)	30	PSI
LNAPL pump pressure (departure)	30	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		Ì
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 :
warning light operational?	To Top	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	(A)
Separator cleaned?	Yes	(No)

Technician:_	T. Palmer	
Date:	10-28-10	

LNAPL/Groundwater System - (Continued)		
Transfer Pump and Piping		
Pump operational?	(Yes)	No
Pump integrity.	Good	Poor
Flow meter operational?		No
Transfer pump flow rate.	3.59	GPM
Totalizer reading (cumulative volume).	13802	Gallons
Water filters changed?	Yes	(1/0)
Filter unit pressure (arrival/departure)	17	PSI .
Carbon Treatment Drums		
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	(No
Secondary carbon drum rotated to primary?	Yes	(No)
New carbon placed in primary drum?	Yes	(N)
Secondary carbon drum integrity.	Good	Poor
Secondary carbon drum leaks?	Yes	(No.
Secondary carbon drum pressure.	2.5	PSI
Secondary carbon removed for disposal?	Yes	∠ ∑0
Polishing drum rotated to secondary?	Yes	(N)
New carbon placed in secondary drum?	Yes	
Polishing carbon drum integrity.	Good	Poor
Polishing carbon drum leaks?	Yes	
Polishing carbon drum pressure.	1 es	(No)
Polishing carbon removed for disposal?	Yes	PS1
New carbon placed in primary drum?	Yes Yes	
The same of the printing drunt?	1 08	
Discharge Piping		
Pipe integrity in shed,	(Good)	Роог
Pipe integrity at catch basin.	Good	Poor
Pipe at catch basin clear?	T	No
Pipe integrity at creek.	Good	Poor
Pipe at creek clear?	(Tes)	No -

Miscellaneous		
Building and Site		
Remediation shed integrity.	Good	Poor
Shed ventilation acceptable?	Yes	⊘ √√0
Repairs/work needed?	(Yes)	No
Spill evidence?	Yes	(No)
Electrical and Heating		
Electric controls operational	Yes	Na
Heater operational	Yes	No

Miscellancous - (Continued)		
Access Vaults		
Overall vault integrity.	Good	Poor -
Repairs needed to vaults?	Yes	No -
Air Compressor		
Compressor operational?	Yes	No
Compressor hours.	95416	Hours
Oil level checked?	(Yes)	No
Oil level changed?	Yes	
Compressor trap operating?	(TE)	No
Regulator operating?	()	. No
Air lines performing properly?	(Yes)	No

Sampling		
Primary carbon influent sampled?	CY⊕	No
Primary carbon effluent sampled?	(Pen)	No
Secondary carbon effluent sampled?	Yes	(No)
Compliance event?	Yes .	No
Time sampled.	15/0/1520	a.m./p.m.
Product sampled?	Yes	N

Recovery and Disposal		
Recovery from DNAPL Drum		I
Pure DNAPL to disposal drum.	20.2	Gallons
DNAPL/water to disposal drum.	***************************************	Gailons
DNAPL/water to oil/water separator.	RID	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)	a	Drums
Spent carbon drums	9	Drums
PPE/Solids drums	2	Drums
LNAPL drums		Drums
Drums labeled?	Yes	No
Drums palletized?	Yes	(No)

Notes: Monthly Samplin

Operational upon arrival?	Yes	(No)
DNAPL pump pressure (arrival)		PSI
DNAPL pump pressure (departure)	28	PSI
Pneumatic settings adjusted?	Yes	(Na)
Discharge control setting (departure)	1/2	Arrow
Refill control setting (departure)	V	Arrow
DNAPL Drum		
High level shut off operational?	(Yes)	No
Green warning light operational?		No
DNAPL drum container integrity.	Good	Poor
Leaks present?	Yes	(No
Decant valve integrity.	Good	Poor
DNAPL Pump and Piping		
DNAPL piping integrity.	(Good)	Poor
DNAPL pump cleaned?	Yes	(No)
DNAPL top of pump depth.		Feet

LNAPL/Groundwater System		
Operational upon arrival?	(Ye)	No
LNAPL pump pressure (arrival)	30	PSi
LNAPL pump pressure (departure)	30	PSI
Bubbler tube operating pressure.	6	PSI
Pneumatic settings adjusted?	Yes	(No)
Discharge control setting (departure)	P	Arrow
Refill control setting (departure)	7	Arrow
LNAPL Pump and Piping		
LNAPL piping integrity.	Gage	Poor
LNAPL pump cleaned?	Yes	(Na)
LNAPL top of pump depth.		Feet
Oil/Water Separator		
Water high level shut-off operational?	Tes	No
warning light operational?	(es)	No
Separator vessel integrity.	Good	Poor
Leaks present?	Yes	(N)
Separator cover and seal integrity.	Good	(Poop)
Decant valve integrity.	Good	Роог
LNAPL in separator?	Yes	(Na
Separator needs cleaning?	Yes	R
Separator cleaned?	Yes	(No)

Technician:_	Tilalmer	
Date:	11-2-10	

HESE WITE CONTROL TO THE PARTY OF THE PARTY		
LNAPL/Groundwater System - (Continued)		
Transfer Pump and Piping		
Pump operational?	Yes	No
Pump integrity.	Good	Poor
Flow meter operational?	CYes	No
Transfer pump flow rate.	3.18	GPM
Totalizer reading (cumulative volume).	15607.2	Gallons
Water filters changed?	(Yea	No
Filter unit pressure (arrival/departure)	<u>/6</u>	PSI
Carbon Treatment Drums		
Primary carbon drum integrity.	Good	Poor
Primary carbon drum leaks?	CVos	No
Primary carbon drum pressure.	4,5	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	Роог
Secondary carbon drum leaks?	Yes	CNO
Secondary carbon drum pressure,	23	PSI
Secondary carbon removed for disposal?	Yes	(Na)
Polishing drum rotated to secondary?	Yes	
New carbon placed in secondary drum?	Yes	6
,,	1	مري
Polishing carbon drum integrity.	Good	Poor
Polishing carbon drum leaks?	Yes	(No)
Polishing carbon drum pressure.	1.0	PSI
Polishing carbon removed for disposal?	Yes	(No
New carbon placed in primary drum?	Yes	No
Discharge Piping		
Pipe integrity in shed.		
Pipe integrity in shed. Pipe integrity at catch basin.	Good	Poor
Pipe at catch basin clear?	Good	Poor
Pipe integrity at creek.	(Vee	No
Pipe at creek clear?	Good	Poor
Tipe at crook creat:	(Yes)	No

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

Miscellaneous = (Continued)		
Access Vaults		
Overall vault integrity.	Good	Poor 📆
Repairs needed to vaults?	Yes	No 🐧
Air Compressor		
Compressor operational?	Ves	No
Compressor hours.	9531.2	Hours
Oil level checked?	(2 <u>8</u> 2)	No
Oil level changed?	Yes	(No)
Compressor trap operating?	(Yes)	No
Regulator operating?	Yes	No
Air lines performing properly?	(₹€5)	No

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

Recovery and Disposal		
Recovery from DNAPL Drum		
Pure DNAPL to disposal drum.	1/8	Gallons
DNAPL/water to disposal drum.	~	Gallons
DNAPL/water to oil/water separator.	(d)	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)	2	Drums
Spent carbon drums	9	Drums
PPE/Solids drums	1	Drums
LNAPL drums		Drums
Drums labeled?	(FGS)	No
Drums palletized?	Yes	(ATE)

Notes: Two Heat On
Flow reduced by Filter, Change Filter

Operational upon arrival?	(Yes	No
DNAPL pump pressure (arrival)	28	PSI
DNAPL pump pressure (departure)	26	PSI
Pneumatic settings adjusted?	Yes	(R)
Discharge control setting (departure)	17	Arrow
Refill control setting (departure)	4	Arrow
DNAPL Drum		
High level shut off operational?	(P)	No
Green warning light operational?	(Es)	No
DNAPL drum container integrity.	Good	Poor
Leaks present?	Yes	(No)
Decant valve integrity.	(final)	Poor
DNAPL Pump and Piping		
DNAPL piping integrity.	Good	Poor
DNAPL pump cleaned?	Yes	(40)

LNAPL/Groundwater System		
Operational upon arrival?	(Yes)	No
LNAPL pump pressure (arrival)	<i>3</i> c	PSI
LNAPL pump pressure (departure)	30	PSI
Bubbler tube operating pressure.	6	PSI
Pneumatic settings adjusted?	Yes	(240)
Discharge control setting (departure)	1	Arrow
Refill control setting (departure)	7	Arrow
LNAPL Pump and Piping		
LNAPL piping integrity.	Good	Poor
LNAPL pump cleaned?	Yes	(NO)
LNAPL top of pump depth.		Feet
Oil/Water Separator		
Water high level shirt-off operational?	₫	No
White warning light operational?	Yes	No
Separator vessel integrity.	Good	Poor
Leaks present?	Yes	(No
Separator cover and seal integrity.	Good	Coop
Decant valve integrity.	Good	Poor
LNAPL in separator?	Yes	(No)
Separator needs cleaning?	Yes	(<u>@</u>
Separator cleaned?	Yes	(S)

Technician:	T. Palmer	
Date:	11-10-10	

LNAPL/Groundwater System - (Continued)		
Transfer Pump and Piping	_	
Pump operational?	(T)	No
Pump integrity.	Good	Poor
Flow meter operational?	(Yes)	No
Transfer pump flow rate.	3.27	GPM
Totalizer reading (cumulative volume).	19196	Gallons
Water filters changed?	(**es>	No
Filter unit pressure (arrival/departure)	30 76	PSI
Carbon Treatment Drums		
Primary carbon drum integrity.	Good	Poor
Primary carbon drum leaks?	(Yes)	No
Primary carbon drum pressure.	5	PSI
Primary carbon removed for disposal?	Yes	(No)
Secondary carbon drum rotated to primary?	Yes	(M)
New carbon placed in primary drum?	Yes	(No
Secondary carbon drum integrity.	(Good)	Poor
Secondary carbon drum leaks?	Yes	(No
Secondary carbon drum pressure.	2.5	PSI
Secondary carbon removed for disposal?	Yes	(No)
Polishing drum rotated to secondary?	Yes	(V)
New carbon placed in secondary drum?	Yes	(N)
Polishing carbon drum integrity.	Good	Poor
Polishing carbon drum leaks?	Yes	(N)
Polishing carbon drum pressure.		PSI
Polishing carbon removed for disposal?	Yes	(Na
New carbon placed in primary drum?	Yes	(M)
<u>Discharge Piping</u>		
Pipe integrity in shed.	Cood	Poor
Pipe integrity at catch basin.	(Good)	Poor
Pipe at catch basin clear?	(Ta)	No.
Pipe integrity at creek.	Good	Poor
Pipe at creek clear?		No
L		110

Miscellaneous		
Building and Site		
Remediation shed integrity.	(Good)	Poor
Shed ventilation acceptable?	Yes	(No
Repairs/work needed?	Yes	No
Spill evidence?	Yes	(No)
Electrical and Heating		
Electric controls operational	CEED	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.	9555 7	Hours
Oil level checked?	Cz2D	No
Oil level changed?	Yes	(40)
Compressor trap operating?	C	No
Regulator operating?	(Yes)	No
Air lines performing properly?	(Yes)	No

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

Recovery and Disposal		
Recovery from DNAPL Drum		
Pure DNAPL to disposal drum.	1/8	Gallons
DNAPL/water to disposal drum.		Gallons
DNAPL/water to oil/water separator.	S. 60	Gallons
Recovery from Oil/Water Separator		
Pure DNAPL to disposal drum.	N. Shirtman	Gallons
DNAPL/water to disposal drum.		Gallons
Product, Carbon, Waste Storage		
DNAPL drums on-site (full and fractional)	2	Drums
Spent carbon drums	9	Drums
PPE/Solids drums	1	Drums
LNAPL drums		Drums.
Drums labeled?	(Ŷes)	No.
Drums palletized?	Yes	(No)

Table 4-1

Site Visit Checklist/Data Sheet

Operational upon arrival?	(TE)	No
DNAPL pump pressure (arrival)	34	PSI
DNAPL pump pressure (departure)	23	PSI
Pneumatic settings adjusted?	Yes	(No)
Discharge control setting (departure)	1/2	Arrow
Refill control setting (departure)	E	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	G	Poor
DNAPL Pump and Piping		
DNAPL piping integrity.	(Face)	, n
DNAPL pump cleaned?	Yes	Poor
DNAPL top of pump depth.	res	Feet

LNAPL/Groundwater System		-1. ·	
Operational upon arrival?		(Yes)	No
LNAPL pump pressure (arrival)		30	PSI
LNAPL pump pressure (departure)	1	30	PSI
Bubbler tube operating pressure.	ľ	6	PSI
Pneumatic settings adjusted?	ľ	Yes	(No)
Discharge control setting (departure)	<u> </u>	N	Arrow
Refill control setting (departure)	ŀ	- \(\)	Arrow
	ŀ		7111000
LNAPL Pump and Piping	-		1
LNAPL piping integrity.	-	Good	Poor
LNAPL pump cleaned?	1	Yes	(No)
LNAPL top of pump depth.	F	163	Feet
	ŀ		1.601
Oil Water Separator	1		·
Water high level shut-off operational?	- 1	(Ve)	Nο
With warning light operational?		(T)	No.
Separator vessel integrity.		(Good)	Poor
Leaks present?	- 1	Yes	⊘
Separator cover and seal integrity.		Good	(Pip)
Decant valve integrity.		Good	Poor
LNAPL in separator?]	Yes	(No)
Separator needs cleaning?	i	Yes	
Separator cleaned?	l	Yes	No

Technician:_	T. Palmer	
Date:	11-18-10	

LNAPL/Groundwater System - (Continued)	garda da aggisar e i i	vice Ballet vicas
Transfer Pump and Piping	Karkalesa k	
Pump operational?		
Pump integrity.	Yes	No
Flow meter operational?	Coods	Poor
Transfer pump flow rate.	CYes	No
	3.9	GPM
Totalizer reading (cumulative volume). Water filters changed?	23013	Gallons
li *	Yes	
Filter unit pressure (arrival/departure)		PSI
Carbon Treatment Drums		
Primary carbon drum integrity.	Good	Poor
Primary carbon drum leaks?	Teo	No
Primary carbon drum pressure.	5	PSI
Primary carbon removed for disposal?	Yes	(No)
Secondary carbon drum rotated to primary?	Yes	
New carbon placed in primary drum?	Yes	0
Secondary carbon drum integrity.		_
Secondary carbon drum leaks?	Good	Poor
Secondary carbon drum pressure.	Yes	(No
Secondary carbon removed for disposal?		PSI
Polishing drum rotated to secondary?	Yes	© <u>®</u>
New carbon placed in secondary drum?	Yes	(Ma)
recording placed in secondary drum?	Yes	(No)
Polishing carbon drum integrity.	Good	Poor
Polishing carbon drum leaks?	Yes	(ND)
Polishing carbon drum pressure.		PSI
Polishing carbon removed for disposal?	Yes	(No
New carbon placed in primary drum?	Yes	3
		<u>ت</u>
Discharge Piping		'
Pipe integrity in shed.	(Good)	Poor
Pipe integrity at catch basin.	(G000)	Poor
Pipe at catch basin clear?	(Yes)	No
Pipe integrity at creek.	Good	Poor
Pipe at creek clear?	(Yes)	No

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

Miscellaneous - (Continued)		
Access Vaults		
Overall vault integrity.	Good	Poor -
Repairs needed to vaults?	Yes	No 🎝
Air Compressor		
Compressor operational?	(Tes)	. No
Compressor hours.	9571.4	Hours
Oil level checked?	(Vap)	Nο
Oil level changed?	Yes	ক্তি
Compressor trap operating?	(Yes)	No
Regulator operating?	d'es	No
Air lines performing properly?	(Yes)	No

Sämpling		
Primary carbon influent sampled?	Yes	(No
Primary carbon effluent sampled?	Yes	(N)
Secondary carbon effluent sampled?	Yes	(A)
Compliance event?	Yes	No
Time sampled.		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.	1/8	Gallons Gallons Gallons
Recovery from Oil Water Separator Pure DNAPL to disposal drum. DNAPL/water to disposal drum.		Gallons Gallons
Product, Carbon, Waste Storage DNAPL drums on-site (full and fractional) Spent carbon drums PPE/Solids drums LNAPL drums Drums labeled? Drums palletized?	2 9 1	Drums Drums Drums Drums. No

Notes: DNAPL in high Alarm upon amual.

Operational upon arrival?	Yes	No
DNAPL pump pressure (arrival)	23	PSI
DNAPL pump pressure (departure)	39	PSI
Pneumatic settings adjusted?	(?ভঁচ)	No
Discharge control setting (departure)	1	Arrow
Refill control setting (departure)	K	Arrow
DNAPL Drum		
High level shut off operational?	(Yes)	No
Green warning light operational?		No
DNAPL drum container integrity.	Good	Poor
Leaks present?	Yes	(No.
Decant valve integrity.	<u>©66</u> €	Poor
DNAPL Pump and Piping		
DNAPL piping integrity.	Good	Poor
DNAPL pump cleaned?	Yes	(No)
DNAPL top of pump depth.		Feet

LNAPL/Groundwater System		
Operational upon arrival?-	(Yes)	No
LNAPL pump pressure (arrival)	30	PSI
LNAPL pump pressure (departure)	30	PSI
Bubbler tube operating pressure.	6	PSI
Pneumatic settings adjusted?	Yes	(No)
Discharge control setting (departure)	No.	Arrow
Refill control setting (departure)	77	Arrow
LNAPL Pump and Piping		
LNAPL piping integrity.	Good	Poor
LNAPL pump cleaned?	Yes	(No)
LNAPL top of pump depth.		Feet
Oil/Water Separator		ļ
Water high level shut-off operational?	©	No
White warning light operational?	6	No
Separator vessel integrity.	Good	Poor
Leaks present?	Yes	(No
Separator cover and scal integrity.	Good	COOD
Decant valve integrity.	Good	Poor
LNAPL in separator?	Yes	(
Separator needs cleaning?	Yes	(PD)
Separator cleaned?	Yes	(%)

Technician:	TPalmer	
Date:	11-23-10	

Tito-		
LNAPL/Groundwater System (Continued)		
Transfer Pump and Piping		
Pump operational?	Yes	No
Pump integrity.	Good	Poor
Flow meter operational?	Yes	No
Transfer pump flow rate.	3.95	GPM
Totalizer reading (cumulative volume).	25895	Gallons
Water filters changed?	Yes	. No
Filter unit pressure (arrival/departure)	=/8	PSI
Carbon Treatment Drums		
Primary carbon drum integrity.	Good	Poor
Primary carbon drum leaks?	(Vac)	No
Primary carbon drum pressure.	55	PSI
Primary carbon removed for disposal?	Yes	(N)
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	₩
Secondary carbon drum pressure.	73	PSI
Secondary carbon removed for disposal?	Yes	(1)
Polishing drum rotated to secondary?	Yes	₫>
New carbon placed in secondary drum?	Yes	©
Polishing carbon drum integrity.	Good	Poor
Polishing carbon drum leaks?	Yes	(No
Polishing carbon drum pressure.	1	PS1
Polishing carbon removed for disposal?	Yes	O Z3
New carbon placed in primary drum?	Yes	®
<u>Discharge Piping</u>		
Pipe integrity in shed.	Good	Poor
Pipe integrity at catch basin.	(Good)	Poor
Pipe at catch basin clear?	(Tes	No
Pipe integrity at creek.	(6.00)	Poor
Pipe at creek clear?	Tes	No

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

Miscellaneous - (Continued)		
Access Vaults		
Overall vault integrity.	Good	Poor 7
Repairs needed to vaults?	Yes	No 3
Air Compressor		
Compressor operational?	(Ve)	No
Compressor hours.	95820	Hours
Oil level checked?	(Cas)	No
Oil level changed?	Yes	
Compressor trap operating?	(Es)	No
Regulator operating?	(Va)	No
Air lines performing properly?	(Te)	No

Sampling		***************************************
Primary carbon influent sampled?	Yes	(N ₀)
Primary carbon effluent sampled?	Yes	673
Secondary carbon effluent sampled?	Yes	(N)
Compliance event?	Yes	Mo
Time sampled.		a.m./p.m.
Product sampled?	Yes	75/16)

Recovery and Disposal	N	
Recovery from DNAPL Drum		
Pure DNAPL to disposal drum.	******	Gallons
DNAPL/water to disposal drum.		Gallons
DNAPL/water to oil/water separator.	a 60	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)	2	Drums
Spent carbon drums	व	Drums
PPE/Sőlids drums	ð.	Drums
LNAPL drums		Drums
Drums labeled?	₹	No
Drums palletized?	Yes	(No)

Notes: DNAPLand Grombuder Systems on high darm upon arrival.

Change Alber.

DNAPL System Operational upon arrival?	(Ves)	No
DNAPL pump pressure (arrival)	22	PSI
DNAPL pump pressure (departure)	20	PSI
Pneumatic settings adjusted?	Yes	(No)
Discharge control setting (departure)	1	Arrow
Refill control setting (departure)	V.	Arrow
DNAPL Drum		
High level shut off operational?	(Yes)	No
Green warning light operational?	Yes	No
DNAPL drum container integrity.	(Good)	Poor
Leaks present?	Yes	(No)
Decant valve integrity.	Good	Poor
DNAPL Pump and Piping		
DNAPL piping integrity.	(Good)	Poor
DNAPL pump cleaned?	Yes	(No)
DNAPL top of pump depth.		Fcet

LNAPL/Groundwater System		
Operational upon arrival?	Yes	No
LNAPL pump pressure (arrival)	30	PSI
LNAPL pump pressure (departure)	30	PSI
Bubbler tube operating pressure.	<i>L</i> ,	PSI
Pneumatic settings adjusted?	Yes	(No)
Discharge control setting (departure)	1	Arrow
Refill control setting (departure)	, M	Arrow
LNAPL Pump and Piping		
LNAPL piping integrity.	(Good)	Poor
LNAPL pump cleaned?	Yes	(No)
LNAPL top of pump depth,		Feet
Oil-Water Separator		-
Water high level shut-off operational?	Yes	No
White warning light operational?	(Yes)	No
Separator vessel integrity.	· Good	Poor
Leaks present?	Yes	(No)
Separator cover and seal integrity.	(00d)	Poor
Decant valve integrity.	Good	Poor
LNAPL in separator?	Yes	(W)
Separator needs cleaning?	Yes	(N_0)
Separator cleaned?	Yes	(No.)

Technician:	Brent Miller	
Date:	11-24-10	

LNAPL/Groundwater System-(Confinued)		andre Ka
Transfer Pump and Piping		
Pump operational?	(Va)	No
Pump integrity.		Poor
Flow meter operational?	(Yes)	No
Transfer pump flow rate.	91 73	GPM
Totalizer reading (cumulative volume).	27/25/8	Gallons
Water filters changed?	Yes	(NO)
Filter unit pressure (arrival/departure)	10	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	Роог
Secondary carbon drum leaks?	Yes	
Secondary carbon drum pressure.	3	PSI
Secondary carbon removed for disposal?	Yes	(No
Polishing drum rotated to secondary?	Yes	(M)
New carbon placed in secondary drum?	Yes	∞
Polishing carbon drum integrity.	(Good)	Poor
Polishing carbon drum leaks?	Yes	(No)
Polishing carbon drum pressure.	7	PSI
Polishing carbon removed for disposal?	Yes	War
New carbon placed in primary drum?	Yes	(No)
Discharge Piping		
Pipe integrity in shed.	(Good)	Poor
Pipe integrity at catch basin.	Good	Роог
Pipe at catch basin clear?	Yes	No
Pipe integrity at creek.	9000	Poor
Pipe at creek clear?	Yes	No

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

Miscellaneous - (Continued)		
Access Vaults		
Overall vault integrity.	Good	Poor
Repairs needed to vaults?	Yes	No
Air Compressor Compressor operational?	Yes	No
Compressor hours.	95835	Hours
Oil level checked?	(Yes)	No
Oil level changed?	Yes	(ND)
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	NOD
Compliance event?	Yes	No
Time sampled.	1000	(a.m)/p.m.
Produce sampled? Cff	C) ess	No

Recovery and Disposal		
Recovery from DNAPL Drum		
Pure DNAPL to disposal drum.	-	Gallons
DNAPL/water to disposal drum.	-0	Gallons
DNAPL/water to oil/water separator.	5	Gallous
Recovery from Oil Water Separator].
Pure DNAPL to disposal drum.	0	Gallons
DNAPL/water to disposal drum.	0	Gallons
Product, Carbon, Waste Storage	L	
DNAPL drums on-site (full and fractional)		Drums
Spent carbon drums	0	Drums
PPE/Solids drums		Drums
LNAPL drums		Drumis.
Drums labeled?	Yes	No
Drums palletized?	Yes	No

Notes: Dram pick up - monthly Samples

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)		Arrow
Refill control setting (departure)	1 34	Arrow
DNAPL Drum		
High level shut off operational?		No
Green warning light operational?	Yes	No
DNAPL drum container integrity.	Good	Poor
Loaks prosent?	Yes	(No)
Decant valve integrity.	Good	Poor
DNAPL Pump and Piping		
DNAPL piping integrity.	Good	Poor
DNAPL pump cleaned?	Yes	(No
DNAPL top of pump depth.		Feet

LNAPL/Groundwater System		
Operational upon arrival?	Yes	No
LNAPL pump pressure (arrival)	30	IZq
ENAPL pump pressure (departure)	30	PSI
Bubbler tube operating pressure.	6	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	(No)
LNAPL top of pump depth.		Feet
Oil:Water Separator		
Water high level shut-off operational?	Yes	No
White warning light operational?	Ves !	No
Separator vessel integrity.	· Good	Poor
Leaks present?	Yes	(NO)
Separator cover and seal integrity.	Good	Poor
Decant valve integrity.	Good	Poor
LNAPL in separator?	Yes	(No)
Separator needs cleaning?	Yes	
Separator cleaned?	Yes	N _o O

Technician: Brent Miller
Date: 12-1-10

NUCLEUS STATES AND STA		
LNAPL/Groundwater System - (Continued)		
Transfer Pump and Piping		
Pump operational?	\ \times \ \	No
Pump integrity.	Good >	Poor
Flow meter operational?	Yes	No
Transfer pump flow rate.	3,52	GPM
Totalizer reading (cumulative volume).	21501.0	Gallons
Water filters changed?	Yes	No
Filter unit pressure (arrival/departure)	30/5	PSI
Carbon Treatment Drums]	
Primary carbon drum integrity.	Good	Poor
Primary carbon drum leaks?	Yes	(No)
Primary carbon drum pressure.	5	PS1
Primary carbon removed for disposal?	Yes	(No
Secondary carbon drum rotated to primary?	Yes	CN ₀
New carbon placed in primary drum?	Yes	No
Secondary carbon drum integrity.	Good	Poor
Secondary carbon drum leaks?	Yes	No
Secondary carbon drum pressure.	- ' Z	PSI
Secondary carbon removed for disposal?	Yes	N
Polishing dram rotated to secondary?	Yes	
New carbon placed in secondary drum?	Yes	مستريب
passes in secondary want:	105	1,00
Polishing earbon drum integrity.	Good	Poor
Polishing carbon drum leaks?	Yes	(No)
Polishing carbon drum pressure.	7	PSI
Polishing carbon removed for disposal?	Yes	(Note
New carbon placed in primary drum?	Yes	No
]	
<u>Discharge Piping</u>		
Pipe integrity in shed.	Good	Poor
Pipe integrity at catch basin.	Good	Poor
Pipe at catch basin clear?	Yes	No
Pipe integrity at creek	Good	Poor
Pipe at creek clear?	Yes	No

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

Miscellaneous - (Continued)		
Access Vaults		_
Overall vault integrity. Repairs needed to vaults?	Good Yes	Poor
repairs needed to vaugs?	res	
Air Compressor		
Compressor operational?	(Yos	. No
Compressor hours.	9606.1	Hours
Oil level checked?		Nο
Oil level changed?	Yes	(No)
Compressor trap operating?	YES	No
Regulator operating?	Yes	Nο
Air lines performing properly?	Yes	No

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

Recovery and Disposal		
Recovery from DNAPL Drum Pure DNAPL to disposal drum. DNAPL/water to disposal drum.	3	Gallons Gallons
DNAPL/water to oil/water separator.	30	Gallons
Recovery from Oil Water Separator Pure DNAPL to disposal drum. DNAPL/water to disposal drum.	8	Gallons Gallons
Product, Carbon, Waste Storage DNAPL drums on-site (full and fractional) Spent carbon drums		Drums Drums
PPE/Solids drums LNAPL drums		Drums Drums
Drums labeled? Drums palletized?		No No

Operational upon arrival?	(Ves.)	No
DNAPL pump pressure (arrival)	18	PSI
DNAPL pump pressure (departure)	18	PSI
Pneumatic settings adjusted?	Yes	(No)
Discharge control setting (departure)	1/2	Arrow
Refill control setting (departure)	1	Airow
DNAPL Drum		
High level shut off operational?	(7es)	No
Green warning light operational?	(Yes)	No
DNAPL drum container integrity.	(000)	Poor
Leaks present?	Yes	(No)
Decant valve integrity.	Qooq)	Poor
DNAPL Pump and Piping		
DNAPL piping integrity.	Good	Poor
DNAPL pump cleaned?	Yes	(No)
DNAPL top of pump depth.		Feet

LNAPL/Groundwater System		
Operational upon arrival?	(Yes)	(No)
LNAPL pump pressure (arrival)	30	PSI
ENAPL pump pressure (departure)	30	PSI
Bubbler tube operating pressure.	12	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	(No)
LNAPL top of pump depth.		Feet
Oll 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	(Na)
Separator cleaned?	Yes	N _o)

Technician:	Brent Miller	
Date:	12-10-10	

LNAPL/Groundwater System (Continued)	ANTI-KOUSTANISII S	erina erin errena
Transfer Pump and Piping		
Pump operational?	Yes	No
Pump integrity.		
Flow meter operational?	Good 2	Poor
Transfer pump flow rate.	Yes	No GPM
Totalizer reading (cumulative volume).	27/60 0	Gallons
Water filters changed?	2000 C	No No
Filter unit pressure (arrival/departure)	7070	PSI
t their unit pressure (arrivandeparture)	50/9	PSI
Carbon Treatment Drums		
Prunary carbon drum integrity.	Good	Poor
Primary carbon drum leaks?	Yes	(No)
Primary carbon drum pressure.	5=6	PSI
Primary carbon removed for disposal?	Yes	(No)
Secondary carbon drum rotated to primary?	Yes	<u>@</u> >
New carbon placed in primary drum?	Yes	(No)
	ļ.	
Secondary carbon drum integrity.	Good	Poor
Secondary carbon drum leaks?	Yes	(No)
Secondary carbon drum pressure.	-3	PSI
Secondary carbon removed for disposal?	Yes	(No>
Polishing drum rotated to secondary?	Yes	(Ne
New carbon placed in secondary drum?	Yes	(No)
Polishing carbon drum integrity.		_
Polishing carbon drum leaks?	(Good)	Poor
Polishing carbon drum pressure.	Yes	(No.
Polishing carbon dram pressure. Polishing carbon removed for disposal?	1	PSI
	Yes	SNO.
New carbon placed in primary drum?	Yes	(Na)
<u>Discharge Piping</u>		
Pipe integrity in shed.	Good	Poor
Pipe integrity at catch basin.	G	Poor
Pipe at catch basin clear?	Yes	No
Pipe integrity at creek,	Good	Poor
Pipe at creek clear?	Yes	No

Building and Site		1
Remediation shed integrity.	Goods	Poor
Shed ventilation acceptable?	Yes	No
Repairs/work needed?	Yes	No
Spill evidence?	Yes	No)
Electrical and Heating		
Electric controls operational	Yes	No
Heater operational	Yes	No

Miscellanepus (Continued)		
Access Vaults		
Overall vault integrity.	(Good)	Poor
Repairs needed to vaults?	Yes	(No)
Air Compressor		
Compressor operational?	Yes	. No
Compressor hours.	9616.6	Hours
Oil level checked?	Yes	No
Oil level changed?	Yes	(No)
Compressor trap operating?	Yes	No
Regulator operating?	CYES >	Nο
Air lines performing properly?	Yes	No

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

Recovery and Disposal	,	
Recovery from DNAPL Drum	L	
Pure DNAPL to disposal drum.	C2	Gallons
DNAPL/water to disposal drum.		Gallons
DNAPL/water to oil/water separator.	50	Gallons
Recovery from Oil Water Separator	<u> </u>].
Pure DNAPL to disposal drum.	7	Gallons
DNAPL/water to disposal drum,		Gallons
Product Carbon, Waste Storage		
DNAPL drums on-site (full and fractional)		Drums
Spent carbon drums	0	Drums
PPE/Solids drums	7	Drums
LNAPL drums	0	Drums.
Drums labeled?	(Yes >	No
Drums palletized?	(Yes)	No

DNAPL System		
Operational upon arrival?	(Yes)	No
DNAPL pump pressure (arrival)	TE	PSI
DNAPL pump pressure (departure)	18	PSI
Pneumatic settings adjusted?	Yes	(Ño
Discharge control setting (departure)	人	Arrow
Refill control setting (departure)	V	Arrow
DNAPL Drum		
High level shut off operational?	CYqs	No
Green warning light operational?	(Tes	No
DNAPL drum container integrity.	Good	Poor
Leaks present?	Yes	₹ T
Decant valve integrity.	<u></u>	Poor
DNAPL Pump and Piping		
DNAPL piping integrity.	Good	Poor
DNAPL pump cleaned?	Yes	TNO
DNAPL top of pump depth.		Feet

LNAPL/Groundwater System		
Operational upon arrival?	Yes	No
LNAPL pump pressure (arrival)	30	PSI
ENAPL pump pressure (departure)	30	PSI
Bubbler tube operating pressure.	6	PSI
Pneumatic settings adjusted?	Yes	(N)
Discharge control setting (departure)	K	Arrow
Refill control setting (departure)		Arrow
LNAPL Pump and Piping		
LNAPL piping integrity.	Good	Poor
LNAPL pump cleaned?	Yes	(NO)
LNAPL top of pump depth.		Feet
Oil Water Separator		
Water high level shut-off operational?	Yes	No
White warning light operational?	(Jes	No
Separator vessel integrity.	Good	Poor
Leaks present?	Yes	(No)
Separator cover and seal integrity.	Good	Poor
Decant valve integrity.	Cood	Poor
LNAPL in separator?	Yes	©
Separator needs cleaning?	Yes	(A)
Separator cleaned?	Yes	(A)

Technician:	T. Palmer	•
Date:	12-14-10	

Parties of Daniel and Parties are are all the parties are an	artu diserbaskom	. Hairmones edico
ENAPL/Groundwater System - (Continued)		gradijast, ji ladada Karata
Transfer Pump and Piping Pump operational?	(1)	
· ·	Yes	No
Pump integrity.	Good	Poor
Flow meter operational?	<u> (29</u>	No
Transfer pump flow rate.	4,40	GPM
Totalizer reading (cumulative volume).	3/311.4	Gallons
Water filters changed?	(Yes)	No
Filter unit pressure (arrival/departure)	-/8	PSI
Carbon Treatment Drums		1
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	CND
Secondary carbon drum rotated to primary?	Yes	₲,
New carbon placed in primary drum?	Yes	
Secondary carbon drum integrity.	Good	D
Secondary carbon drum leaks?	Yes	Poor
Secondary carbon drum pressure.	3	PSI
Secondary carbon removed for disposal?	Yes	(R)
Polishing drum rotated to secondary?	Yes	
New carbon placed in secondary drum?	Yes	
	1	ملات ا
Polishing carbon drum integrity.	Good	Poor
Polishing carbon drum leaks?	Yes	(A)
Polishing carbon drum pressure.	1.5	PSI
Polishing carbon removed for disposal?	Yes	(Na
New carbon placed in primary drum?	Yes	l Ã
Discharge Piping		
Pipe integrity in shed.	Good	Poor
Pipe integrity at catch basin.	Good	Poor
Pipe at catch basin clear?	P	No
Pipe integrity at creek.	Good	Poor
Pipe at creek clear?		No

Miscellaneous		
Building and Site		<u> </u>
Remediation shed integrity.	Good	Poor
Shed ventilation acceptable?	(Ve)	No
Repairs/work needed?	Yes	(No
Spill evidence?	Yes	(b)
Electrical and Heating	1	
Electric controls operational	(Ses)	No
Heater operational	(Tes)	No

Miscellaneous - (Continued)		
Access Vaults		
Overall vault integrity,	Good	Poor 7
Repairs needed to vaults?	Yes	No d
Air Compressor Compressor operational? Compressor hours. Oil level checked?	(G) 9639.7	No Hours No
Oil level changed? Compressor trap operating? Regulator operating? Air lines performing properly?	Yes	No No No

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

Recovery and Disposal		
Recovery from DNAPL Drum Pure DNAPL to disposal drum. DNAPL/water to disposal drum.	0	Gallons
DNAPL/water to oil/water separator.	70	Gallons Gallons
Recovery from Oil. Water Separator Pure DNAPL to disposal drum. DNAPL/water to disposal drum.		Gallons Gallons
Product, Carbon, Waste Storage DNAPL drums on-site (full and fractional) Spent carbon drums		Drums Drums
PPE/Solids drums LNAPL drums Drums labeled?		Drums Drums No
Drums palletized?	(Yes)	No

Operational upon arrival?	(Yes)	No
DNAPL pump pressure (arrival)	id	PSI
DNAPL pump pressure (departure)	18	PSI
Pneumatic settings adjusted?	Yes	(Na)
Discharge control setting (departure)	14	Arrow
Refill control setting (departure)	Ľ	Airow
DNAPI, Drum		
High level shut off operational?	Yes	No
Green warning light operational?	Yes	No
DNAPL drum container integrity.	(G000)	Poor
Leaks present?	Yes	(NO)
Decant valve integrity.	Good	Poor
DNAPL Pump and Piping		
DNAPL piping integrity.	Good	Poor
DNAPL pump cleaned?	Yes	(No)

LNAPL/Groundwater System		Control of the contro
Operational upon arrival?	(Yes)	No
LNAPL pump pressure (arrival)	30	PSI :
ENAPL pump pressure (departure)	30	PSI
Bubbler tube operating pressure.	6	PSI
Pneumatic settings adjusted?	Yes	(No)
Discharge control setting (departure)	1	Arrow
Refill control setting (departure)	7	Arrow
LNAPL Pump and Piping		
LNAPL piping integrity.	Good	Poor
LNAPL pump cleaned?	Yes	No
LNAPL top of pump depth.		Feet
Oil Water Separator		
Water high level shut-off operational?	€	Nσ
White warning light operational?	(Yes)	No
Separator vessel integrity.	Cione)	Poor
Leaks present?	Yes	€
Separator cover and seal integrity.	Good	Poor
Decant valve integrity.	Good	Роог
LNAPL in separator?	Yes	(X)
Separator needs cleaning?	Yes	(S)
Separator cleaned?	Yes	7NO

Technician:_	T. Palmer	
Date:	12-23-10	

LNAPL/Groundwater System - (Continued)		ra (Breen) Prij
Transfer Pump and Piping	CBANNELL MATERIA	16,140,135,16-01.3
Pump operational?	(Van	No
Pump integrity.	Good	Poor
Flow meter operational?	Yes	No
Transfer pump flow rate.		GPM
Totalizer reading (cumulative volume).	4.06	Gallons
Water filters changed?	<u>43540.1</u> Yes	(No
Filter unit pressure (arrival/departure)		PSI
(arryandeparture)	10	FSI
Carbon Treatment Drums		
Primary carbon drum integrity.	Good	Poor
Primary carbon drum leaks?	Yes	(N2
Primary carbon drum pressure.	5.5	PSI
Primary carbon removed for disposal?	Yes	(ND)
Secondary carbon drum rotated to primary?	Yes	
New carbon placed in primary drum?	Yes	780
<u> </u>	ļ	
Secondary carbon drum integrity,	Good	Роог
Secondary carbon drum leaks?	Yes	(ND)
Secondary carbon drum pressure.	3	PSI
Secondary carbon removed for disposal?	Yes	(No
Polishing drum rotated to secondary?	Yes	(M)
New carbon placed in secondary drum?	Yes	(Na
	1	
Polishing carbon drum integrity.	Good	Poor
Polishing carbon drum leaks?	Yes	(No
Polishing carbon drum pressure.	1	PSI
Polishing carbon removed for disposal?	Yes	(Ne
New carbon placed in primary drum?	Yes	(Na
	٠.	_
Discharge Piping	ļ	F
Pipe integrity in shed.	Good	Poor
Pipe integrity at catch basin.	Good	Poor
Pipe at catch basin clear?	(Teo	No
Pipe integrity at creek.	Good	Poor
Pipe at creek clear?	₹ Yes	No

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

Miscellaneous - (Continued)		
Access Vaults		1
Overall vault integrity.	Good	Poor
Repairs needed to vaults?	Yes	No
Air Compressor		
Compressor operational?	Yes	. No
Compressor bours.	96888	Hours
Oil level checked?	Yes] No
Oil level changed?	Yes	(No
Compressor trap operating?	(TES)	No
Regulator operating?	(C)	No
Air lines performing properly?		No

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

Recovery and Disposal		
Recovery from DNAPL Drum		
Pure DNAPL to disposal drum.		Gallons
DNAPL/water to disposal drum.	0.25	Gallons
DNAPL/water to oil/water separator.	30	Gallons
Recovery from Oil Water Separator		
Pure DNAPL to disposal drum.	~	Gallons
DNAPL/water to disposal drum.		Gallons
Product, Carbon, Waste Storage		
DNAPL drums on-site (full and fractional)	1	Drums
Spent carbon drums		Drums
PPE/Solids drums	ì	Drums
LNAPL drums		Drums.
Drums labeled?	(YES)	No
Drums palletized?	(CE)	No

Operational upon arrival?	(Yes)	No
DNAPL pump pressure (arrival)	18	PSI
DNAPL pump pressure (departure)	18	PSI
Pneumatic settings adjusted?	Yes	(No)
Discharge control setting (departure)	K	Arrow
Refill control setting (departure)	V	Arrow
DNAPL Drum		
High level shut off operational?	(Yes)	No
Green warning light operational?	₹	No
DNAPL drum container integrity.	Cool	Poor
Leaks present?	Yes	(No
Decant valve integrity.	(Fig. 1)	Poor
DNAPL Pump and Piping	Ì	
DNAPL piping integrity.	Good	Poor
DNAPL pump cleaned?	Yes	No
DNAPL top of pump depth.		Feet

LNAPL/Groundwater System		
Operational upon arrival?	Yes	No
LNAPL pump pressure (arrival)	20	12q
ENAPL pump pressure (departure)	20	PSI
Bubbler tube operating pressure.	6	PSI
Pneumatic settings adjusted?	Yes	(NO
Discharge control setting (departure)		Arrow
Refill control setting (departure)	7/	Arrow
LNAPL Pump and Piping	1	
LNAPL piping integrity.	(Good)	Poor
LNAPL pump cleaned?	Yes	(No)
LNAPL top of pump depth.		Feet
Oil:Water Separator		
Water high level shut-off operational?	(Tes)	No
White warning light operational?	(Yes)	No
Separator vessel integrity.	.(2009)	Poor
Leaks present?	Yes	
Separator cover and seal integrity.	Good	(Poop)
Decant valve integrity.	Good	Poor
LNAPL in separator?	Yes	(N)
Separator needs cleaning?	Yes	(No
Separator cleaned?	Yes	(No)

Technician:	T. Palmer		
Date;	12.30-10	,	 ·

LNAPL/Groundwater System - (Continued)	rus poneurs (* 17) Ten North St. St. J	i a grant et ancie. La tradició
Transfer Pump and Piping		
Pump operational?	(Yes	No .
Pump integrity	(Good)	Роог
Flow meter operational?	(Yes	No
Transfer pump flow rate.	361	GPM .
Totalizer reading (cumulative volume).	466716	Gallons
Water filters changed?	(Yes)	No
Filter unit pressure (arrival/departure)	24/9	PSI
Carbon Treatment Drums		
Primary carbon drum integrity.	Good	Poor
Primary carbon drum leaks?	Yes	No
Primary carbon drum pressure.	-5	PSI
Primary carbon removed for disposal?	Yes	(T)
Secondary carbon drum rotated to primary?	Yes	(No)
New carbon placed in primary drum?	Yes	(No
	1	. —
Secondary carbon drum integrity.	Good	Poor
Secondary carbon drum leaks?	Yes	
Secondary carbon drum pressure.	3	PSI
Secondary carbon removed for disposal?	Yes	(No)
Polishing drum rotated to secondary?	Yes	(P)
New carbon placed in secondary drum?	Yes	(No)
Polishing carbon drum integrity,	Good	Роог
Polishing carbon drum leaks?	Yes	(M)
Polishing carbon drum pressure.	ì	PSI
Polishing carbon removed for disposal?	Yes	©
New carbon placed in primary drum?	Yes	(No)
Discharge Piping	}	
Pipe integrity in shed.	(Good)	Poor
Pipe integrity at catch basin.	Good	Poor
Pipe at catch basin clear?	(Yes)	No
Pipe integrity at creek.	Good	Poor
Pipe at creek clear?	(Yes)	No

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

Miscellaneous - (Continued)		
Access Vaults		l
Overall vault integrity.	Good	Poor -
Repairs needed to vaults?	Yes	No 3
Air Compressor	ļ	
Compressor operational?	(Yes)	. No
Compressor hours.	97160	Hours
Oil level checked?	(Yes)	No
Oil level changed?	Yes	(M)
Compressor trap operating?	(Ye)	No
Regulator operating?	(Te)	No
Air lines performing properly?	Tes	No

Sampling		· · · · · · · · · · · · · · · · · · ·
Primary carbon influent sampled?	(Yes)	Nο
Primary carbon influent sampled? Primary carbon effluent sampled?	Yes	(N)
Secondary carbon effluent sampled? 245	(Pes)	No
Compliance event?	Yes	No
Time sampled.		a.m./p.m.
Product sampled?	Yes	(No)

Recovery and Disposal		
Recovery from DNAPL Drum		
Pure DNAPL to disposal drum.		Gallons
DNAPL/water to disposal drum.		Gallons
DNAPL/water to oil/water separator.	25	Gallons
Recovery from Oil Water Separator		,
Pure DNAPL to disposal drum.	~~~~	Gallons
DNAPL/water to disposal drum.		Gallons
Product, Carbon, Waste Storage		
DNAPL drums on-site (full and fractional)		Drums
Spent carbon drums	,	Drums
PPE/Solids drums	1	Drums
LNAPL drums		Drums.
Drums labeled?	(Yes)	No
Drums palletized?	Yes	No

Months Sampling : Pre-Carbon - 1335 Post-Carbon - 1315