

**FORMER GASTOWN MGP SITE
SITE NO. 915171**

**2005 SITE VISIT CHECKLISTS
FOR THE GROUNDWATER COLLECTION
& TREATMENT SYSTEM**

Site Visit Checklists for January, most of February, and December 2004 are missing. A few additional Site Visit Checklists are also missing.

Former Gastown Manufactured Gas Plant Site

Table 4-1

Site Visit Checklist/Data Sheet

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

LNAPL/Groundwater System		
Operational upon arrival?	Yes	No
LNAPL pump pressure (arrival)	NA	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
<u>LNAPL Pump and Piping</u>		
LNAPL piping integrity	Good	Poor
LNAPL pump cleaned?	NA	Feet
<u>Oil Water Separator</u>		
Water high level shut-off operational?	Yes	No
White warning light operational?	Yes	No
Separator vessel integrity	Good	Poor
Leaks present?	Yes	No
Separator cover and seal integrity	Good	Poor
Decant valve integrity	Good	Poor
LNAPL in separator?	Yes	No
Separator needs cleaning?	Yes	No
Separator cleaned?	Yes	No

LNAPL/Groundwater System - (Continued)		
<u>Transfer Pump and Piping</u>		
Pump operational?	Yes	No
Pump integrity	Good	Poor
Flow meter operational?	Yes	No
Transfer pump flow rate	8.48	GPM
Totalizer reading (cumulative volume)	19397	Gallons
Water filters changed?	Yes	No
Fiber optic pressure (arrival/departure)	9.0	PSI
<u>Carbon Treatment Drums</u>		
Primary carbon drum integrity	Good	Poor
Primary carbon drum leaks?	Yes	No
Primary carbon drum pressure	2.0	PSI
Primary carbon removed for disposal?	Yes	No
Secondary carbon drum rotated to primary?	Yes	No
New carbon placed in primary drum?	Yes	No
Secondary carbon drum integrity	Good	Poor
Secondary carbon drum leaks?	Yes	No
Secondary carbon drum pressure	1.0	PSI
Secondary carbon removed for disposal?	Yes	No
Polishing drum rotated to secondary?	Yes	No
New carbon placed in secondary drum?	Yes	No
Polishing carbon drum integrity	Good	Poor
Polishing carbon drum leaks?	Yes	No
Polishing carbon drum pressure	NA	PSI
Polishing carbon removed for disposal?	Yes	No
New carbon placed in primary drum?	Yes	No
<u>Extraction System</u>		
Pipe integrity in shed	Good	Poor
Pipe integrity at catch basin	Good	Poor
Pipe at catch basin clean?	Yes	No
Pipe integrity at creek	Good	Poor
Pipe at creek clean?	Yes	No

Miscellaneous		
<u>Boundary and Site</u>		
Boundary or shed integrity	Good	Poor
Shed condition acceptable?	Yes	No
Repairs needed?	Yes	No
Spill cleaned?	Yes	No
<u>Electrical and Heating</u>		
Electric control operational	Yes	No
Heater operational	Yes	No

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

Sampling		
Primary carbon influent sampled?	Yes	No
Primary carbon effluent sampled?	Yes	No
Secondary carbon effluent sampled?	Yes	No
Compliance event?	Yes	No
Time sampled	1:30 hrs	6:00 p.m.
Product sampled?	Yes	No

Recovery and Disposal		
<u>Recovery from DNAPL Drum</u>		
Pure DNAPL to disposal drum	NA	Gallons
DNAPL water to disposal drum		Gallons
DNAPL water to oil water separator		Gallons
<u>Recovery from Oil Water Separator</u>		
Pure DNAPL to disposal drum	0.0	Gallons
DNAPL water to disposal drum	0.0	Gallons
<u>Product Carbon Waste Storage</u>		
DNAPL drums on-site (full and fractional)	3	Drums
Spent carbon drums	4	Drums
PPE Solids drums	3	Drums
LNAPL drums	0	Drums
Drums labeled?	Yes	No
Drums palletized?	Yes	No

Notes: Collected Samples + fixed leak @ carbon vessel #2 1st.

Technician: Dennis Hoffman

Date: 2-28-05

Former Gastown Manufactured Gas Plant Site

Table 4-1

Site Visit Checklist/Data Sheet

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

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

LNAPL/Groundwater System - (Continued)		
<u>Transfer Pump and Piping</u>		
Pump operational?	Yes	No
Pump integrity.	Good	Poor
Flow meter operational?	Yes	No
Transfer pump flow rate.	6.49	GPM
Totalizer reading (cumulative volume).	201054	Gallons
Water filters changed?	Yes	No
Filter unit pressure (arrival/departure)	13.0	PSI
<u>Carbon Treatment Drums</u>		
Primary carbon drum integrity.	Good	Poor
Primary carbon drum leaks?	Yes	No
Primary carbon drum pressure.	2.0	PSI
Primary carbon removed for disposal?	Yes	No
Secondary carbon drum rotated to primary?	Yes	No
New carbon placed in primary drum?	Yes	No
Secondary carbon drum integrity.	Good	Poor
Secondary carbon drum leaks?	Yes	No
Secondary carbon drum pressure.	1.0	PSI
Secondary carbon removed for disposal?	Yes	No
Polishing drum rotated to secondary?	Yes	No
New carbon placed in secondary drum?	Yes	No
Polishing carbon drum integrity.	Good	Poor
Polishing carbon drum leaks?	Yes	No
Polishing carbon drum pressure.	NA	PSI
Polishing carbon removed for disposal?	Yes	No
New carbon placed in primary drum?	Yes	No
<u>Discharge Piping</u>		
Pipe integrity in shed.	Good	Poor
Pipe integrity at catch basin	Good	Poor
Pipe at catch basin clear?	Yes	No
Pipe integrity at creek.	Good	Poor
Pipe at creek clear?	Yes	No

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

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

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

Recovery and Disposal		
<u>Recovery from DNAPL Drum</u>		
Pure DNAPL to disposal drum.		Gallons
DNAPL/water to disposal drum.		Gallons
DNAPL/water to oil/water separator.		Gallons
<u>Recovery from Oil/Water Separator</u>		
Pure DNAPL to disposal drum.	0.2	Gallons
DNAPL/water to disposal drum	1.8	Gallons
<u>Product, Carbon, Waste Storage</u>		
DNAPL drums on-site (full and fractional)	3	Drums
Spent carbon drums	4	Drums
PPE/Solids drums	3	Drums
LNAPL drums	0	Drums
Drums labeled?	Yes	No
Drums palletized?	Yes	No

Notes:

Technician: OK

Date: 3/10/05

Former Gastown Manufactured Gas Plant Site

Table 4-1

Site Visit Checklist/Data Sheet

DNAPL System		
Operational upon arrival?	Yes	No
DNAPL pump pressure (arrival)		PSI
DNAPL pump pressure (departure)		PSI
Pneumatic settings adjusted?	Yes	No
Discharge control setting (departure)		Arrow
Refill control setting (departure)		Arrow
<i>DNAPL Drum</i>		
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
<i>DNAPL Pump and Piping</i>		
DNAPL piping integrity.	Good	Poor
DNAPL pump cleaned?	Yes	No
DNAPL top of pump depth.	NA	Feet

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

LNAPL/Groundwater System - (Continued)		
<i>Transfer Pump and Piping</i>		
Pump operational?	Yes	No
Pump integrity.	Good	Poor
Flow meter operational?	Yes	No
Transfer pump flow rate.	7.47	GPM
Totalizer reading (cumulative volume).	206.057	Gallons
Water filters changed?	Yes	No
Filter unit pressure (arrival/departure)	14.0	PSI
<i>Carbon Treatment Drums</i>		
Primary carbon drum integrity.	Good	Poor
Primary carbon drum leaks?	Yes	No
Primary carbon drum pressure.	2.5	PSI
Primary carbon removed for disposal?	Yes	No
Secondary carbon drum rotated to primary?	Yes	No
New carbon placed in primary drum?	Yes	No
Secondary carbon drum integrity.	Good	Poor
Secondary carbon drum leaks?	Yes	No
Secondary carbon drum pressure.	1.0	PSI
Secondary carbon removed for disposal?	Yes	No
Polishing drum rotated to secondary?	Yes	No
New carbon placed in secondary drum?	Yes	No
Polishing carbon drum integrity.	Good	Poor
Polishing carbon drum leaks?	Yes	No
Polishing carbon drum pressure.	NA	PSI
Polishing carbon removed for disposal?	Yes	No
New carbon placed in primary drum?	Yes	No
<i>Discharge Piping</i>		
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		
<i>Building and Site</i>		
Remediation shed integrity.	Good	Poor
Shed ventilation acceptable?	Yes	No
Repairs/work needed?	Yes	No
Spill evidence?	Yes	No
<i>Electrical and Heating</i>		
Electric controls operational	Yes	No
Heater operational	Yes	No

Miscellaneous - (Continued)		
<i>Access Vaults</i>		
Overall vault integrity.	Good	Poor
Repairs needed to vaults?	Yes	No
<i>Air Compressor</i>		
Compressor operational?	Yes	No
Compressor hours.	2716.1	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		
<i>Recovery from DNAPL Drum</i>		
Pure DNAPL to disposal drum.		Gallons
DNAPL/water to disposal drum.		Gallons
DNAPL/water to oil/water separator.		Gallons
<i>Recovery from Oil/Water Separator</i>		
Pure DNAPL to disposal drum.	0.0	Gallons
DNAPL/water to disposal drum	0.5	Gallons
<i>Product, Carbon, Waste Storage</i>		
DNAPL drums on-site (full and fractional)	3	Drums
Spent carbon drums	4	Drums
PPE/Solids drums	3	Drums
LNAPL drums	0	Drums
Drums labeled?	Yes	No
Drums palletized?	Yes	No

Notes:

Technician: OK
Date: 3/18/05

Former Gastown Manufactured Gas Plant Site

Table 4-1

Site Visit Checklist/Data Sheet

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

LNAPL/Groundwater System		
Operational upon arrival?	Yes	No
LNAPL pump pressure (arrival)	NA	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
<u>LNAPL Pump and Piping</u>		
LNAPL piping integrity.	Good	Poor
LNAPL pump cleaned?	Yes	No
LNAPL top of pump depth.	NA	Feet
<u>Oil/Water Separator</u>		
Water high level shut-off operational?	Yes	No
White warning light operational?	Yes	No
Separator vessel integrity.	Good	Poor
Leaks present?	Yes	No
Separator cover and seal integrity.	Good	Poor
Decant valve integrity.	Good	Poor
LNAPL in separator?	Yes	No
Separator needs cleaning?	Yes	No
Separator cleaned?	Yes	No

LNAPL/Groundwater System - (Continued)		
<u>Transfer Pump and Piping</u>		
Pump operational?	Yes	No
Pump integrity.	Good	Poor
Flow meter operational?	Yes	No
Transfer pump flow rate.	8.49	GPM
Totalizer reading (cumulative volume).	2230.29	Gallons
Water filters changed?	Yes	No
Filter unit pressure (arrival/departure)	22/3	PSI
<u>Carbon Treatment Drums</u>		
Primary carbon drum integrity.	Good	Poor
Primary carbon drum leaks?	Yes	No
Primary carbon drum pressure.	2.5	PSI
Primary carbon removed for disposal?	Yes	No
Secondary carbon drum rotated to primary?	Yes	No
New carbon placed in primary drum?	Yes	No
Secondary carbon drum integrity.	Good	Poor
Secondary carbon drum leaks?	Yes	No
Secondary carbon drum pressure.	1.0	PSI
Secondary carbon removed for disposal?	Yes	No
Polishing drum rotated to secondary?	Yes	No
New carbon placed in secondary drum?	Yes	No
Polishing carbon drum integrity.	Good	Poor
Polishing carbon drum leaks?	Yes	No
Polishing carbon drum pressure.	NA	PSI
Polishing carbon removed for disposal?	Yes	No
New carbon placed in primary drum?	Yes	No
<u>Discharge Piping</u>		
Pipe integrity in shed.	Good	Poor
Pipe integrity at catch basin.	Good	Poor
Pipe at catch basin clear?	Yes	No
Pipe integrity at creek.	Good	Poor
Pipe at creek clear?	Yes	No

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

Miscellaneous - (Continued)		
<u>Access Vaults</u>		
Overall vault integrity.	Good	Poor
Repairs needed to vaults?	Yes	No
<u>Air Compressor</u>		
Compressor operational?	Yes	No
Compressor hours.	offline	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.	1200	a.m./p.m.
Product sampled?	Yes	No

Recovery and Disposal		
<u>Recovery from DNAPL Drum</u>		
Pure DNAPL to disposal drum.	NA	Gallons
DNAPL/water to disposal drum.		Gallons
DNAPL/water to oil/water separator.		Gallons
<u>Recovery from Oil/Water Separator</u>		
Pure DNAPL to disposal drum.	0.5	Gallons
DNAPL/water to disposal drum	2.0	Gallons
<u>Product, Carbon, Waste Storage</u>		
DNAPL drums on-site (full and fractional)	3	Drums
Spent carbon drums	4	Drums
PPE/Solids drums	3	Drums
LNAPL drums	0	Drums
Drums labeled?	Yes	No
Drums palletized?	Yes	No

Notes:

changed H₂O filters.
 Added 2 Gal of
 Bleach to OWS and
 1/2 gal. to filter housing

Technician: DA

Date: 3-25-05

Former Gastown Manufactured Gas Plant Site

Table 4-1

Site Visit Checklist/Data Sheet

DNAPL System		
Operational upon arrival?	Yes	<input checked="" type="radio"/> 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
<i>NA</i>		
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.	<input checked="" type="radio"/> Good	Poor
DNAPL pump cleaned?	Yes	<input checked="" type="radio"/> No
DNAPL top of pump depth.	<i>NA</i>	Feet

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

LNAPL/Groundwater System - (Continued)		
Transfer Pump and Piping		
Pump operational?	<input checked="" type="radio"/> Yes	No
Pump integrity.	<input checked="" type="radio"/> Good	Poor
Flow meter operational?	<input checked="" type="radio"/> Yes	No
Transfer pump flow rate.	7.89	GPM
Totalizer reading (cumulative volume).	231,608	Gallons
Water filters changed?	Yes	<input checked="" type="radio"/> No
Filter unit pressure (arrival/departure)	16.0	PSI
Carbon Treatment Drums		
Primary carbon drum integrity.	<input checked="" type="radio"/> Good	Poor
Primary carbon drum leaks?	Yes	<input checked="" type="radio"/> No
Primary carbon drum pressure.	2.0	PSI
Primary carbon removed for disposal?	Yes	<input checked="" type="radio"/> No
Secondary carbon drum rotated to primary?	Yes	<input checked="" type="radio"/> No
New carbon placed in primary drum?	Yes	<input checked="" type="radio"/> No
Secondary carbon drum integrity.		
Secondary carbon drum leaks?	<input checked="" type="radio"/> Good	Poor
Secondary carbon drum pressure.	Yes	<input checked="" type="radio"/> No
Secondary carbon removed for disposal?	1.0	PSI
Polishing drum rotated to secondary?	Yes	<input checked="" type="radio"/> No
New carbon placed in secondary drum?	Yes	<input checked="" type="radio"/> No
Polishing carbon drum integrity.		
Polishing carbon drum leaks?	<input checked="" type="radio"/> Good	Poor
Polishing carbon drum pressure.	Yes	<input checked="" type="radio"/> No
Polishing carbon removed for disposal?	<i>NA</i>	PSI
New carbon placed in primary drum?	Yes	<input checked="" type="radio"/> No
Discharge Piping		
Pipe integrity in shed.	<input checked="" type="radio"/> Good	Poor
Pipe integrity at catch basin	<input checked="" type="radio"/> Good	Poor
Pipe at catch basin clear?	Yes	No
Pipe integrity at creek.	<input checked="" type="radio"/> Good	Poor
Pipe at creek clear?	Yes	No

Miscellaneous		
Building and Site		
Remediation shed integrity.	<input checked="" type="radio"/> Good	Poor
Shed ventilation acceptable?	Yes	No
Repairs/work needed?	Yes	<input checked="" type="radio"/> No
Spill evidence?	Yes	<input checked="" type="radio"/> No
Electrical and Heating		
Electric controls operational	<input checked="" type="radio"/> Yes	No
Heater operational	Yes	No

Miscellaneous - (Continued)		
Access Vaults		
Overall vault integrity.	<input checked="" type="radio"/> Good	Poor
Repairs needed to vaults?	Yes	<input checked="" type="radio"/> No
Air Compressor		
Compressor operational?	Yes	<input checked="" type="radio"/> No
Compressor hours.		Hours
Oil level checked?	<i>NA</i>	Yes
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	<input checked="" type="radio"/> No
Primary carbon effluent sampled?	Yes	<input checked="" type="radio"/> No
Secondary carbon effluent sampled?	Yes	<input checked="" type="radio"/> No
Compliance event?	Yes	<input checked="" type="radio"/> No
Time sampled.	<i>NA</i>	a.m./p.m.
Product sampled?	Yes	<input checked="" type="radio"/> No

Recovery and Disposal		
Recovery from DNAPL Drum		
Pure DNAPL to disposal drum.	0	Gallons
DNAPL/water to disposal drum.	0	Gallons
DNAPL/water to oil/water separator.	0	Gallons
Recovery from Oil/Water Separator		
Pure DNAPL to disposal drum.	0	Gallons
DNAPL/water to disposal drum	0	Gallons
Product, Carbon, Waste Storage		
DNAPL drums on-site (full and fractional)	3	Drums
Spent carbon drums	4	Drums
PPE/Solids drums	3	Drums
LNAPL drums	0	Drums
Drums labeled?	<input checked="" type="radio"/> Yes	No
Drums palletized?	<input checked="" type="radio"/> Yes	No

Notes:

None

Technician: *DA*

Date: *4-1-05*

Former Gastown Manufactured Gas Plant Site

Table 4-1

Site Visit Checklist/Data Sheet

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

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

LNAPL/Groundwater System - (Continued)		
<u>Transfer Pump and Piping</u>		
Pump operational?	Yes	No
Pump integrity.	Good	Poor
Flow meter operational?	Yes	No
Transfer pump flow rate.	7.49	GPM
Totalizer reading (cumulative volume).	244,016	Gallons
Water filters changed?	Yes	No
Filter unit pressure (arrival/departure)	25/10	PSI
<u>Carbon Treatment Drums</u>		
Primary carbon drum integrity.	Good	Poor
Primary carbon drum leaks?	Yes	No
Primary carbon drum pressure.	2.0	PSI
Primary carbon removed for disposal?	Yes	No
Secondary carbon drum rotated to primary?	Yes	No
New carbon placed in primary drum?	Yes	No
Secondary carbon drum integrity.	Good	Poor
Secondary carbon drum leaks?	Yes	No
Secondary carbon drum pressure.	1.0	PSI
Secondary carbon removed for disposal?	Yes	No
Polishing drum rotated to secondary?	Yes	No
New carbon placed in secondary drum?	Yes	No
Polishing carbon drum integrity.	Good	Poor
Polishing carbon drum leaks?	Yes	No
Polishing carbon drum pressure.	<i>NA</i>	PSI
Polishing carbon removed for disposal?	Yes	No
New carbon placed in primary drum?	Yes	No
<u>Discharge Piping</u>		
Pipe integrity in shed.	Good	Poor
Pipe integrity at catch basin	Good	Poor
Pipe at catch basin clear?	Yes	No
Pipe integrity at creek.	Good	Poor
Pipe at creek clear?	Yes	No

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

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

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

Recovery and Disposal		
<u>Recovery from DNAPL Drum</u>		
Pure DNAPL to disposal drum.	0	Gallons
DNAPL/water to disposal drum.	0	Gallons
DNAPL/water to oil/water separator.	0	Gallons
<u>Recovery from Oil/Water Separator</u>		
Pure DNAPL to disposal drum.	0	Gallons
DNAPL/water to disposal drum	0	Gallons
<u>Product, Carbon, Waste Storage</u>		
DNAPL drums on-site (full and fractional)	3	Drums
Spent carbon drums	4	Drums
PPE/Solids drums	3	Drums
LNAPL drums	0	Drums
Drums labeled?	Yes	No
Drums palletized?	Yes	No

Notes:

None

Technician: *DN*

Date: *4-8-05*

Former Gastown Manufactured Gas Plant Site

Table 4-1

Site Visit Checklist/Data Sheet

DNAPL System		
Operational upon arrival?	Yes	No
DNAPL pump pressure (arrival)		PSI
DNAPL pump pressure (departure)		PSI
Pneumatic settings adjusted?	Yes	No
Discharge control setting (departure)		Arrow
Refill control setting (departure)		Arrow
<i>NA</i>		
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.	<i>NA</i>	Feet

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

LNAPL/Groundwater System - (Continued)		
Transfer Pump and Piping		
Pump operational?	Yes	No
Pump integrity.	Good	Poor
Flow meter operational?	Yes	No
Transfer pump flow rate.	8.96	GPM
Totalizer reading (cumulative volume).	257,205	Gallons
Water filters changed?	Yes	No
Filter unit pressure (arrival/departure)	11.0	PSI
Carbon Treatment Drums		
Primary carbon drum integrity.	Good	Poor
Primary carbon drum leaks?	Yes	No
Primary carbon drum pressure.	2.0	PSI
Primary carbon removed for disposal?	Yes	No
Secondary carbon drum rotated to primary?	Yes	No
New carbon placed in primary drum?	Yes	No
Secondary carbon drum integrity.	Good	Poor
Secondary carbon drum leaks?	Yes	No
Secondary carbon drum pressure.	1.0	PSI
Secondary carbon removed for disposal?	Yes	No
Polishing drum rotated to secondary?	Yes	No
New carbon placed in secondary drum?	Yes	No
Polishing carbon drum integrity.	Good	Poor
Polishing carbon drum leaks?	Yes	No
Polishing carbon drum pressure.	<i>NA</i>	PSI
Polishing carbon removed for disposal?	Yes	No
New carbon placed in primary drum?	Yes	No
Discharge Piping		
Pipe integrity in shed.	Good	Poor
Pipe integrity at catch basin	Good	Poor
Pipe at catch basin clear?	Yes	No
Pipe integrity at creek.	Good	Poor
Pipe at creek clear?	Yes	No

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

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

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

Recovery and Disposal		
Recovery from DNAPL Drum		
Pure DNAPL to disposal drum.	0	Gallons
DNAPL/water to disposal drum.	0	Gallons
DNAPL/water to oil/water separator.	0	Gallons
Recovery from Oil/Water Separator		
Pure DNAPL to disposal drum.	0	Gallons
DNAPL/water to disposal drum	0	Gallons
Product, Carbon, Waste Storage		
DNAPL drums on-site (full and fractional)	3	Drums
Spent carbon drums	4	Drums
PPE/Solids drums	3	Drums
LNAPL drums	0	Drums
Drums labeled?	Yes	No
Drums palletized?	Yes	No

NOTES:

None

Technician: *DA*

Date: 4-15-05

Former Gastown Manufactured Gas Plant Site

Table 4-1

Site Visit Checklist/Data Sheet

DNAPL System		
Operational upon arrival?	Yes	No
DNAPL pump pressure (arrival)	0.0	PSI
DNAPL pump pressure (departure)	22.0	PSI
Pneumatic settings adjusted?	Yes	No
Discharge control setting (departure)	5.0	Arrow
Refill control setting (departure)	2.7	Arrow
<u>DNAPL Drum</u>		
High level shut off operational?	Yes	No
Green warning light operational?	Yes	No
DNAPL drum container integrity.	Good	Poor
Leaks present?	Yes	No
Decant valve integrity.	Good	Poor
<u>DNAPL Pump and Piping</u>		
DNAPL piping integrity.	Good	Poor
DNAPL pump cleaned?	Yes	No
DNAPL top of pump depth.	NA	Feet

LNAPL/Groundwater System		
Operational upon arrival?	Yes	No
LNAPL pump pressure (arrival)	0.0	PSI
LNAPL pump pressure (departure)	38.0	PSI
Bubbler tube operating pressure.	7.0	PSI
Pneumatic settings adjusted?	Yes	No
Discharge control setting (departure)	1	Arrow
Refill control setting (departure)	1	Arrow
<u>LNAPL Pump and Piping</u>		
LNAPL piping integrity.	Good	Poor
LNAPL pump cleaned?	Yes	No
LNAPL top of pump depth.	NA	Feet
<u>Oil/Water Separator</u>		
Water high level shut-off operational?	Yes	No
White warning light operational?	Yes	No
Separator vessel integrity.	Good	Poor
Leaks present?	Yes	No
Separator cover and seal integrity.	Good	Poor
Decant valve integrity.	Good	Poor
LNAPL in separator?	Yes	No
Separator needs cleaning?	Yes	No
Separator cleaned?	Yes	No

Technician: DN/IRK
 Date: 4-22-05

LNAPL/Groundwater System - (Continued)		
<u>Transfer Pump and Piping</u>		
Pump operational?	Yes	No
Pump integrity.	Good	Poor
Flow meter operational?	Yes	No
Transfer pump flow rate.	8.86	GPM
Totalizer reading (cumulative volume).	215.452	Gallons
Water filters changed?	Yes	No
Filter unit pressure (arrival/departure)	10.0	PSI
<u>Carbon Treatment Drums</u>		
Primary carbon drum integrity.	Good	Poor
Primary carbon drum leaks?	Yes	No
Primary carbon drum pressure.	3.0	PSI
Primary carbon removed for disposal?	Yes	No
Secondary carbon drum rotated to primary?	Yes	No
New carbon placed in primary drum?	Yes	No
Secondary carbon drum integrity.	Good	Poor
Secondary carbon drum leaks?	Yes	No
Secondary carbon drum pressure.	2.0	PSI
Secondary carbon removed for disposal?	Yes	No
Polishing drum rotated to secondary?	Yes	No
New carbon placed in secondary drum?	Yes	No
Polishing carbon drum integrity.	Good	Poor
Polishing carbon drum leaks?	Yes	No
Polishing carbon drum pressure.	NA	PSI
Polishing carbon removed for disposal?	Yes	No
New carbon placed in primary drum?	Yes	No
<u>Discharge Piping</u>		
Pipe integrity in shed.	Good	Poor
Pipe integrity at catch basin.	Good	Poor
Pipe at catch basin clear?	Yes	No
Pipe integrity at creek.	Good	Poor
Pipe at creek clear?	Yes	No

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

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

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

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

Notes: DNAPL System Restarted.

Former Gastown Manufactured Gas Plant Site

Table 4-1

Site Visit Checklist/Data Sheet

DNAPL System		
Operational upon arrival?	<u>Yes</u>	No
DNAPL pump pressure (arrival)	<u>22.0</u>	PSI
DNAPL pump pressure (departure)	<u>20.0</u>	PSI
Pneumatic settings adjusted?	<u>Yes</u>	No
Discharge control setting (departure)	<u>↓</u>	Arrow
Refill control setting (departure)	<u>↑</u>	Arrow
<u>DNAPL Drum</u>		
High level shut off operational?	<u>Yes</u>	No
Green warning light operational?	<u>Yes</u>	No
DNAPL drum container integrity.	<u>Good</u>	Poor
Leaks present?	<u>Yes</u>	No
Decant valve integrity.	<u>Good</u>	Poor
<u>DNAPL Pump and Piping</u>		
DNAPL piping integrity.	<u>Good</u>	Poor
DNAPL pump cleaned?	<u>Yes</u>	No
DNAPL top of pump depth.	<u>NA</u>	Feet

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

LNAPL/Groundwater System - (Continued)		
<u>Transfer Pump and Piping</u>		
Pump operational?	<u>Yes</u>	No
Pump integrity.	<u>Good</u>	Poor
Flow meter operational?	<u>Yes</u>	No
Transfer pump flow rate.	<u>8.68</u>	GPM
Totalizer reading (cumulative volume).	<u>280.003</u>	Gallons
Water filters changed?	<u>Yes</u>	No
Filter unit pressure (arrival/departure)	<u>12.0</u>	PSI
<u>Carbon Treatment Drums</u>		
Primary carbon drum integrity.	<u>Good</u>	Poor
Primary carbon drum leaks?	<u>Yes</u>	No
Primary carbon drum pressure.	<u>3.0</u>	PSI
Primary carbon removed for disposal?	<u>Yes</u>	No
Secondary carbon drum rotated to primary?	<u>Yes</u>	No
New carbon placed in primary drum?	<u>Yes</u>	No
Secondary carbon drum integrity.	<u>Good</u>	Poor
Secondary carbon drum leaks?	<u>Yes</u>	No
Secondary carbon drum pressure.	<u>1.0</u>	PSI
Secondary carbon removed for disposal?	<u>Yes</u>	No
Polishing drum rotated to secondary?	<u>Yes</u>	No
New carbon placed in secondary drum?	<u>Yes</u>	No
Polishing carbon drum integrity.	<u>Good</u>	Poor
Polishing carbon drum leaks?	<u>Yes</u>	No
Polishing carbon drum pressure.	<u>NA</u>	PSI
Polishing carbon removed for disposal?	<u>Yes</u>	No
New carbon placed in primary drum?	<u>Yes</u>	No
<u>Discharge Piping</u>		
Pipe integrity in shed.	<u>Good</u>	Poor
Pipe integrity at catch basin	<u>Good</u>	Poor
Pipe at catch basin clear?	<u>Yes</u>	No
Pipe integrity at creek.	<u>Good</u>	Poor
Pipe at creek clear?	<u>Yes</u>	No

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

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

Sampling		
Primary carbon influent sampled?	<u>Yes</u>	No
Primary carbon effluent sampled?	<u>Yes</u>	No
Secondary carbon effluent sampled?	<u>Yes</u>	No
Compliance event?	<u>Yes</u>	No
Time sampled.	<u>0800</u>	a.m./p.m.
Product sampled?	<u>Yes</u>	No

Recovery and Disposal		
<u>Recovery from DNAPL Drum</u>		
Pure DNAPL to disposal drum.	<u>3.0</u>	Gallons
DNAPL/water to disposal drum.	<u>22.0</u>	Gallons
DNAPL/water to oil/water separator.	<u>68</u>	Gallons
<u>Recovery from Oil/Water Separator</u>		
Pure DNAPL to disposal drum.	<u>0</u>	Gallons
DNAPL/water to disposal drum	<u>0</u>	Gallons
<u>Product, Carbon, Waste Storage</u>		
DNAPL drums on-site (full and fractional)	<u>4</u>	Drums
Spent carbon drums	<u>3</u>	Drums
PPE/Solids drums	<u>0</u>	Drums
LNAPL drums	<u>0</u>	Drums
Drums labeled?	<u>Yes</u>	No
Drums palletized?	<u>Yes</u>	No

Notes:

Brought 1 drum to site.

Technician: DLB
Date: 4-29-05

Former Gastown Manufactured Gas Plant Site

Table 4-1

Site Visit Checklist/Data Sheet

DNAPL System		
Operational upon arrival?	Yes	No
DNAPL pump pressure (arrival)	22	PSI
DNAPL pump pressure (departure)	22	PSI
Pneumatic settings adjusted?	Yes	No
Discharge control setting (departure)	↑	Arrow
Refill control setting (departure)	↓	Arrow
<u>DNAPL Drum</u>		
High level shut off operational?	Yes	No
Green warning light operational?	Yes	No
DNAPL drum container integrity.	Good	Poor
Leaks present?	Yes	No
Decant valve integrity.	Good	Poor
<u>DNAPL Pump and Piping</u>		
DNAPL piping integrity.	Good	Poor
DNAPL pump cleaned?	Yes	No
DNAPL top of pump depth.	NA	Feet

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

LNAPL/Groundwater System - (Continued)		
<u>Transfer Pump and Piping</u>		
Pump operational?	Yes	No
Pump integrity.	Good	Poor
Flow meter operational?	Yes	No
Transfer pump flow rate.	8.46	GPM
Totalizer reading (cumulative volume).	283/30	Gallons
Water filters changed?	Yes	No
Filter unit pressure (arrival/departure)	11.0/11.0	PSI
<u>Carbon Treatment Drums</u>		
Primary carbon drum integrity.	Good	Poor
Primary carbon drum leaks?	Yes	No
Primary carbon drum pressure.	2	PSI
Primary carbon removed for disposal?	Yes	No
Secondary carbon drum rotated to primary?	Yes	No
New carbon placed in primary drum?	Yes	No
Secondary carbon drum integrity.	Good	Poor
Secondary carbon drum leaks?	Yes	No
Secondary carbon drum pressure.	1.0	PSI
Secondary carbon removed for disposal?	Yes	No
Polishing drum rotated to secondary?	Yes	No
New carbon placed in secondary drum?	Yes	No
Polishing carbon drum integrity.	Good	Poor
Polishing carbon drum leaks?	Yes	No
Polishing carbon drum pressure.	NA	PSI
Polishing carbon removed for disposal?	Yes	No
New carbon placed in primary drum?	Yes	No
<u>Discharge Piping</u>		
Pipe integrity in shed.	Good	Poor
Pipe integrity at catch basin	Good	Poor
Pipe at catch basin clear?	Yes	No
Pipe integrity at creek.	Good	Poor
Pipe at creek clear?	Yes	No

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

Miscellaneous - (Continued)		
<u>Access Vaults</u>		
Overall vault integrity.	Good	Poor
Repairs needed to vaults?	Yes	No
<u>Air Compressor</u>		
Compressor operational?	Yes	No
Compressor hours.	2912.00	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.	NA	a.m./p.m.
Product sampled?	Yes	No

Recovery and Disposal		
<u>Recovery from DNAPL Drum</u>		
Pure DNAPL to disposal drum.	3.5	Gallons
DNAPL/water to disposal drum.	3.0	Gallons
DNAPL/water to oil/water separator.	60.0	Gallons
<u>Recovery from Oil/Water Separator</u>		
Pure DNAPL to disposal drum.	0.0	Gallons
DNAPL/water to disposal drum	0.0	Gallons
<u>Product, Carbon, Waste Storage</u>		
DNAPL drums on-site (full and fractional)	4	Drums
Spent carbon drums	4	Drums
PPE/Solids drums	3	Drums
LNAPL drums	0	Drums
Drums labeled?	Yes	No
Drums palletized?	Yes	No

Notes:

None

Technician: DN

Date: 5-6-05

Former Gastown Manufactured Gas Plant Site

Table 4-1

Site Visit Checklist/Data Sheet

DNAPL System		
Operational upon arrival?	Yes	No
DNAPL pump pressure (arrival)	22	PSI
DNAPL pump pressure (departure)	22	PSI
Pneumatic settings adjusted?	Yes	No
Discharge control setting (departure)	↑	Arrow
Refill control setting (departure)	↓	Arrow
<u>DNAPL Drum</u>		
High level shut off operational?	Yes	No
Green warning light operational?	Yes	No
DNAPL drum container integrity.	Good	Poor
Leaks present?	Yes	No
Decant valve integrity.	Good	Poor
<u>DNAPL Pump and Piping</u>		
DNAPL piping integrity.	Good	Poor
DNAPL pump cleaned?	Yes	No
DNAPL top of pump depth.	NA	Feet

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

LNAPL/Groundwater System - (Continued)		
<u>Transfer Pump and Piping</u>		
Pump operational?	Yes	No
Pump integrity.	Good	Poor
Flow meter operational?	Yes	No
Transfer pump flow rate.	9.46	GPM
Totalizer reading (cumulative volume).	286.130	Gallons
Water filters changed?	Yes	No
Filter unit pressure (arrival/departure)	14.0/190	PSI
<u>Carbon Treatment Drums</u>		
Primary carbon drum integrity.	Good	Poor
Primary carbon drum leaks?	Yes	No
Primary carbon drum pressure.	2.0	PSI
Primary carbon removed for disposal?	Yes	No
Secondary carbon drum rotated to primary?	Yes	No
New carbon placed in primary drum?	Yes	No
Secondary carbon drum integrity.	Good	Poor
Secondary carbon drum leaks?	Yes	No
Secondary carbon drum pressure.	1.0	PSI
Secondary carbon removed for disposal?	Yes	No
Polishing drum rotated to secondary?	Yes	No
New carbon placed in secondary drum?	Yes	No
Polishing carbon drum integrity.	Good	Poor
Polishing carbon drum leaks?	Yes	No
Polishing carbon drum pressure.	NA	PSI
Polishing carbon removed for disposal?	Yes	No
New carbon placed in primary drum?	Yes	No
<u>Discharge Piping</u>		
Pipe integrity in shed.	Good	Poor
Pipe integrity at catch basin	Good	Poor
Pipe at catch basin clear?	Yes	No
Pipe integrity at creek.	Good	Poor
Pipe at creek clear?	Yes	No

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

Miscellaneous - (Continued)		
<u>Access Vaults</u>		
Overall vault integrity.	Good	Poor
Repairs needed to vaults?	Yes	No
<u>Air Compressor</u>		
Compressor operational?	Yes	No
Compressor hours.	222.3	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.	NA	a.m./p.m.
Product sampled?	Yes	No

Recovery and Disposal		
<u>Recovery from DNAPL Drum</u>		
Pure DNAPL to disposal drum.	1.0	Gallons
DNAPL/water to disposal drum.	3.0	Gallons
DNAPL/water to oil/water separator.	62.0	Gallons
<u>Recovery from Oil/Water Separator</u>		
Pure DNAPL to disposal drum.	0.0	Gallons
DNAPL/water to disposal drum	0.0	Gallons
<u>Product, Carbon, Waste Storage</u>		
DNAPL drums on-site (full and fractional)	4	Drums
Spent carbon drums	4	Drums
PPE/Solids drums	3	Drums
LNAPL drums	0	Drums
Drums labeled?	Yes	No
Drums palletized?	Yes	No

Notes:

None

Technician: DA

Date: 5-13-05

Former Gastown Manufactured Gas Plant Site

Table 4-1

Site Visit Checklist/Data Sheet

DNAPL System		
Operational upon arrival?	Yes	No
DNAPL pump pressure (arrival)	22	PSI
DNAPL pump pressure (departure)	22	PSI
Pneumatic settings adjusted?	Yes	No
Discharge control setting (departure)	↑	Arrow
Refill control setting (departure)	↓	Arrow
<u>DNAPL Drum</u>		
High level shut off operational?	Yes	No
Green warning light operational?	Yes	No
DNAPL drum container integrity.	Good	Poor
Leaks present?	Yes	No
Decant valve integrity.	Good	Poor
<u>DNAPL Pump and Piping</u>		
DNAPL piping integrity.	Good	Poor
DNAPL pump cleaned?	Yes	No
DNAPL top of pump depth.	NA	Feet

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

LNAPL/Groundwater System - (Continued)		
<u>Transfer Pump and Piping</u>		
Pump operational?	Yes	No
Pump integrity.	Good	Poor
Flow meter operational?	Yes	No
Transfer pump flow rate.	8.23	GPM
Totalizer reading (cumulative volume).	258950	Gallons
Water filters changed?	Yes	No
Filter unit pressure (arrival/departure)	0.0/0.0	PSI
<u>Carbon Treatment Drums</u>		
Primary carbon drum integrity.	Good	Poor
Primary carbon drum leaks?	Yes	No
Primary carbon drum pressure.	2.0	PSI
Primary carbon removed for disposal?	Yes	No
Secondary carbon drum rotated to primary?	Yes	No
New carbon placed in primary drum?	Yes	No
Secondary carbon drum integrity.	Good	Poor
Secondary carbon drum leaks?	Yes	No
Secondary carbon drum pressure.	1.0	PSI
Secondary carbon removed for disposal?	Yes	No
Polishing drum rotated to secondary?	Yes	No
New carbon placed in secondary drum?	Yes	No
Polishing carbon drum integrity.	Good	Poor
Polishing carbon drum leaks?	Yes	No
Polishing carbon drum pressure.	NA	PSI
Polishing carbon removed for disposal?	Yes	No
New carbon placed in primary drum?	Yes	No
<u>Discharge Piping</u>		
Pipe integrity in shed.	Good	Poor
Pipe integrity at catch basin	Good	Poor
Pipe at catch basin clear?	Yes	No
Pipe integrity at creek.	Good	Poor
Pipe at creek clear?	Yes	No

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

Miscellaneous - (Continued)		
<u>Access Vaults</u>		
Overall vault integrity.	Good	Poor
Repairs needed to vaults?	Yes	No
<u>Air Compressor</u>		
Compressor operational?	Yes	No
Compressor hours.	NA	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.	NA	a.m./p.m.
Product sampled?	Yes	No

Recovery and Disposal		
<u>Recovery from DNAPL Drum</u>		
Pure DNAPL to disposal drum.	0.5	Gallons
DNAPL/water to disposal drum.	3.0	Gallons
DNAPL/water to oil/water separator.	56.0	Gallons
<u>Recovery from Oil/Water Separator</u>		
Pure DNAPL to disposal drum.	0.0	Gallons
DNAPL/water to disposal drum	0.0	Gallons
<u>Product, Carbon, Waste Storage</u>		
DNAPL drums on-site (full and fractional)	4	Drums
Spent carbon drums	4	Drums
PPE/Solids drums	3	Drums
LNAPL drums	0	Drums
Drums labeled?	Yes	No
Drums palletized?	Yes	No

NOTES:

None

Technician: DX

Date: 5-21-05

Former Gastown Manufactured Gas Plant Site

Table 4-1

Site Visit Checklist/Data Sheet

DNAPL System		
Operational upon arrival?	Yes	No
DNAPL pump pressure (arrival)	22	PSI
DNAPL pump pressure (departure)	22	PSI
Pneumatic settings adjusted?	Yes	No
Discharge control setting (departure)	↑	Arrow
Refill control setting (departure)	↓	Arrow
<u>DNAPL Drum</u>		
High level shut off operational?	Yes	No
Green warning light operational?	Yes	No
DNAPL drum container integrity.	Good	Poor
Leaks present?	Yes	No
Decant valve integrity.	Good	Poor
<u>DNAPL Pump and Piping</u>		
DNAPL piping integrity.	Good	Poor
DNAPL pump cleaned?	Yes	No
DNAPL top of pump depth.	NA	Feet

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

LNAPL/Groundwater System - (Continued)		
<u>Transfer Pump and Piping</u>		
Pump operational?	Yes	No
Pump integrity.	Good	Poor
Flow meter operational?	Yes	No
Transfer pump flow rate.	8.21	GPM
Totalizer reading (cumulative volume).	293004	Gallons
Water filters changed?	Yes	No
Filter unit pressure (arrival/departure)	100/100	PSI
<u>Carbon Treatment Drums</u>		
Primary carbon drum integrity.	Good	Poor
Primary carbon drum leaks?	Yes	No
Primary carbon drum pressure.	2.0	PSI
Primary carbon removed for disposal?	Yes	No
Secondary carbon drum rotated to primary?	Yes	No
New carbon placed in primary drum?	Yes	No
Secondary carbon drum integrity.	Good	Poor
Secondary carbon drum leaks?	Yes	No
Secondary carbon drum pressure.	1.0	PSI
Secondary carbon removed for disposal?	Yes	No
Polishing drum rotated to secondary?	Yes	No
New carbon placed in secondary drum?	Yes	No
Polishing carbon drum integrity.	Good	Poor
Polishing carbon drum leaks?	Yes	No
Polishing carbon drum pressure.	NA	PSI
Polishing carbon removed for disposal?	Yes	No
New carbon placed in primary drum?	Yes	No
<u>Discharge Piping</u>		
Pipe integrity in shed.	Good	Poor
Pipe integrity at catch basin	Good	Poor
Pipe at catch basin clear?	Yes	No
Pipe integrity at creek.	Good	Poor
Pipe at creek clear?	Yes	No

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

Miscellaneous - (Continued)		
<u>Access Vaults</u>		
Overall vault integrity.	Good	Poor
Repairs needed to vaults?	Yes	No
<u>Air Compressor</u>		
Compressor operational?	Yes	No
Compressor hours.	NA	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.	0900	4:00 p.m.
Product sampled?	Yes	No

Recovery and Disposal		
<u>Recovery from DNAPL Drum</u>		
Pure DNAPL to disposal drum.	0.5	Gallons
DNAPL/water to disposal drum.	1.0	Gallons
DNAPL/water to oil/water separator.	62.0	Gallons
<u>Recovery from Oil/Water Separator</u>		
Pure DNAPL to disposal drum.	0.0	Gallons
DNAPL/water to disposal drum	0.0	Gallons
<u>Product, Carbon, Waste Storage</u>		
DNAPL drums on-site (full and fractional)	5	Drums
Spent carbon drums	4	Drums
PPE/Solids drums	63	Drums
LNAPL drums	0	Drums
Drums labeled?	Yes	No
Drums palletized?	Yes	No

NOTES:

Performed
Monthly
Sampling

Technician: DA

Date: 5-27-05

Former Gastown Manufactured Gas Plant Site

Table 4-1

Site Visit Checklist/Data Sheet

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

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

Technician:

DN

Date:

6/3/05

LNAPL/Groundwater System - (Continued)		
<u>Transfer Pump and Piping</u>		
Pump operational?	Yes	No
Pump integrity.	Good	Poor
Flow meter operational?	Yes	No
Transfer pump flow rate.	8.46	GPM
Totalizer reading (cumulative volume).	296.133	Gallons
Water filters changed?	Yes	No
Filter unit pressure (arrival/departure)	11.0/11.0	PSI
<u>Carbon Treatment Drums</u>		
Primary carbon drum integrity.	Good	Poor
Primary carbon drum leaks?	Yes	No
Primary carbon drum pressure.	2.0	PSI
Primary carbon removed for disposal?	Yes	No
Secondary carbon drum rotated to primary?	Yes	No
New carbon placed in primary drum?	Yes	No
Secondary carbon drum integrity.	Good	Poor
Secondary carbon drum leaks?	Yes	No
Secondary carbon drum pressure.	1.0	PSI
Secondary carbon removed for disposal?	Yes	No
Polishing drum rotated to secondary?	Yes	No
New carbon placed in secondary drum?	Yes	No
Polishing carbon drum integrity.	Good	Poor
Polishing carbon drum leaks?	Yes	No
Polishing carbon drum pressure.	NA	PSI
Polishing carbon removed for disposal?	Yes	No
New carbon placed in primary drum?	Yes	No
<u>Discharge Piping</u>		
Pipe integrity in shed.	Good	Poor
Pipe integrity at catch basin	Good	Poor
Pipe at catch basin clear?	Yes	No
Pipe integrity at creek.	Good	Poor
Pipe at creek clear?	Yes	No
<u>Miscellaneous</u>		
<u>Building and Site</u>		
Remediation shed integrity.	Good	Poor
Shed ventilation acceptable?	Yes	No
Repairs/work needed?	Yes	No
Spill evidence?	Yes	No
<u>Electrical and Heating</u>		
Electric controls operational	Yes	No
Heater operational	Yes	No

Miscellaneous - (Continued)		
<u>Access Vaults</u>		
Overall vault integrity.	Good	Poor
Repairs needed to vaults?	Yes	No
<u>Air Compressor</u>		
Compressor operational?	Yes	No
Compressor hours.	NA	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.	NA	a.m./p.m.
Product sampled?	Yes	No

Recovery and Disposal		
<u>Recovery from DNAPL Drum</u>		
Pure DNAPL to disposal drum.	NA	Gallons
DNAPL/water to disposal drum.		Gallons
DNAPL/water to oil/water separator.		Gallons
<u>Recovery from Oil/Water Separator</u>		
Pure DNAPL to disposal drum.		Gallons
DNAPL/water to disposal drum		Gallons
<u>Product, Carbon, Waste Storage</u>		
DNAPL drums on-site (full and fractional)	5	Drums
Spent carbon drums	4	Drums
PPE/Solids drums	3	Drums
LNAPL drums	0	Drums
Drums labeled?	Yes	No
Drums palletized?	Yes	No

Notes:

Former Gastown Manufactured Gas Plant Site

Table 4-1

Site Visit Checklist/Data Sheet

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

LNAPL/Groundwater System		
Operational upon arrival?	Yes	No
LNAPL pump pressure (arrival)	35.0	PSI
LNAPL pump pressure (departure)	3.0	PSI
Bubbler tube operating pressure.	7.0	PSI
Pneumatic settings adjusted?	Yes	No
Discharge control setting (departure)	↑	Arrow
Refill control setting (departure)	↓	Arrow
<u>LNAPL Pump and Piping</u>		
LNAPL piping integrity.	Good	Poor
LNAPL pump cleaned?	Yes	No
LNAPL top of pump depth.	NA	Feet
<u>Oil/Water Separator</u>		
Water high level shut-off operational?	Yes	No
White warning light operational?	Yes	No
Separator vessel integrity.	Good	Poor
Leaks present?	Yes	No
Separator cover and seal integrity.	Good	Poor
Decant valve integrity.	Good	Poor
LNAPL in separator?	Yes	No
Separator needs cleaning?	Yes	No
Separator cleaned?	Yes	No

LNAPL/Groundwater System - (Continued)		
<u>Transfer Pump and Piping</u>		
Pump operational?	Yes	No
Pump integrity.	Good	Poor
Flow meter operational?	Yes	No
Transfer pump flow rate.	8.38	GPM
Totalizer reading (cumulative volume).	298.992	Gallons
Water filters changed?	Yes	No
Filter unit pressure (arrival/departure)	11.0/11.0	PSI
<u>Carbon Treatment Drums</u>		
Primary carbon drum integrity.	Good	Poor
Primary carbon drum leaks?	Yes	No
Primary carbon drum pressure.	2.0	PSI
Primary carbon removed for disposal?	Yes	No
Secondary carbon drum rotated to primary?	Yes	No
New carbon placed in primary drum?	Yes	No
Secondary carbon drum integrity.	Good	Poor
Secondary carbon drum leaks?	Yes	No
Secondary carbon drum pressure.	7.0	PSI
Secondary carbon removed for disposal?	Yes	No
Polishing drum rotated to secondary?	Yes	No
New carbon placed in secondary drum?	Yes	No
Polishing carbon drum integrity.	Good	Poor
Polishing carbon drum leaks?	Yes	No
Polishing carbon drum pressure.	NA	PSI
Polishing carbon removed for disposal?	Yes	No
New carbon placed in primary drum?	Yes	No
<u>Discharge Piping</u>		
Pipe integrity in shed.	Good	Poor
Pipe integrity at catch basin	Good	Poor
Pipe at catch basin clear?	Yes	No
Pipe integrity at creek.	Good	Poor
Pipe at creek clear?	Yes	No

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

Miscellaneous - (Continued)		
<u>Access Vaults</u>		
Overall vault integrity.	Good	Poor
Repairs needed to vaults?	Yes	No
<u>Air Compressor</u>		
Compressor operational?	Yes	No
Compressor hours.	NA	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.	NA	a.m./p.m.
Product sampled?	Yes	No

Recovery and Disposal		
<u>Recovery from DNAPL Drum</u>		
Pure DNAPL to disposal drum.		Gallons
DNAPL/water to disposal drum.		Gallons
DNAPL/water to oil/water separator.		Gallons
<u>Recovery from Oil/Water Separator</u>		
Pure DNAPL to disposal drum.		Gallons
DNAPL/water to disposal drum.		Gallons
<u>Product, Carbon, Waste Storage</u>		
DNAPL drums on-site (full and fractional)	5	Drums
Spent carbon drums	4	Drums
PPE/Solids drums	3	Drums
LNAPL drums	0	Drums
Drums labeled?	Yes	No
Drums palletized?	Yes	No

Notes: None

Technician: DH
Date: 6/19/06

Former Gastown Manufactured Gas Plant Site

Table 4-1

Site Visit Checklist/Data Sheet

DNAPL System		
Operational upon arrival?	Yes	No
DNAPL pump pressure (arrival)		PSI
DNAPL pump pressure (departure)		PSI
Pneumatic settings adjusted?	Yes	No
Discharge control setting (departure)		Arrow
Refill control setting (departure)		Arrow
<i>Offline</i>		
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.	NA	Feet

LNAPL/Groundwater System		
Operational upon arrival?	Yes	No
LNAPL pump pressure (arrival)	28.0	PSI
LNAPL pump pressure (departure)	28.0	PSI
Bubbler tube operating pressure.	2.0	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.	NA	Feet
Oil/Water Separator		
Water high level shut-off operational?	Yes	No
White warning light operational?	Yes	No
Separator vessel integrity.	Good	Poor
Leaks present?	Yes	No
Separator cover and seal integrity.	Good	Poor
Decant valve integrity.	Good	Poor
LNAPL in separator?	Yes	No
Separator needs cleaning?	Yes	No
Separator cleaned?	Yes	No

LNAPL/Groundwater System - (Continued)		
Transfer Pump and Piping		
Pump operational?	Yes	No
Pump integrity.	Good	Poor
Flow meter operational?	Yes	No
Transfer pump flow rate.	8.48	GPM
Totalizer reading (cumulative volume).	37186	Gallons
Water filters changed?	Yes	No
Filter unit pressure (arrival/departure)	14.0	PSI
Carbon Treatment Drums		
Primary carbon drum integrity.	Good	Poor
Primary carbon drum leaks?	Yes	No
Primary carbon drum pressure.	1.0	PSI
Primary carbon removed for disposal?	Yes	No
Secondary carbon drum rotated to primary?	Yes	No
New carbon placed in primary drum?	Yes	No
Secondary carbon drum integrity.		
Secondary carbon drum leaks?	Good	Poor
Secondary carbon drum pressure.	0.0	PSI
Secondary carbon removed for disposal?	Yes	No
Polishing drum rotated to secondary?	Yes	No
New carbon placed in secondary drum?	Yes	No
Polishing carbon drum integrity.		
Polishing carbon drum leaks?	Good	Poor
Polishing carbon drum pressure.	Yes	No
Polishing carbon removed for disposal?	NA	PSI
New carbon placed in primary drum?	Yes	No
Discharge Piping		
Pipe integrity in shed.	Good	Poor
Pipe integrity at catch basin	Good	Poor
Pipe at catch basin clear?	Yes	No
Pipe integrity at creek.	Good	Poor
Pipe at creek clear?	Yes	No

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

Miscellaneous - (Continued)		
Access Vaults		
Overall vault integrity.	Good	Poor
Repairs needed to vaults?	Yes	No
Air Compressor		
Compressor operational?	Yes	No
Compressor hours.	2934.7	Hours
Oil level checked?	Yes	No
Oil level changed?	Yes	No
Compressor trap operating?	Yes	No
Regulator operating?	Yes	No
Air lines performing properly?	Yes	No

Sampling		
Primary carbon influent sampled?	Yes	No
Primary carbon effluent sampled?	Yes	No
Secondary carbon effluent sampled?	Yes	No
Compliance event?	Yes	No
Time sampled.	1:50	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.	NA	Gallons
Recovery from Oil/Water Separator		
Pure DNAPL to disposal drum.		Gallons
DNAPL/water to disposal drum		Gallons
Product, Carbon, Waste Storage		
DNAPL drums on-site (full and fractional)		Drums
Spent carbon drums		Drums
PPE/Solids drums		Drums
LNAPL drums		Drums
Drums labeled?	Yes	No
Drums palletized?	Yes	No

Notes:

None - first data collection with new (3) carbon drums replaced on 6/20

Technician: DA
Date: 6-24-05

Former Gastown Manufactured Gas Plant Site

Table 4-1

Site Visit Checklist/Data Sheet

DNAPL System		
Operational upon arrival?	Yes	No
DNAPL pump pressure (arrival)		PSI
DNAPL pump pressure (departure)		PSI
Pneumatic settings adjusted?	Yes	No
Discharge control setting (departure)		Arrow
Refill control setting (departure)		Arrow
<i>DNAPL Drum</i>		
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
<i>DNAPL Pump and Piping</i>		
DNAPL piping integrity.	Good	Poor
DNAPL pump cleaned?	Yes	No
DNAPL top of pump depth.	NA	Feet

LNAPL/Groundwater System		
Operational upon arrival?	Yes	No
LNAPL pump pressure (arrival)	340	PSI
LNAPL pump pressure (departure)	340	PSI
Bubbler tube operating pressure	20	PSI
Pneumatic settings adjusted?	Yes	No
Discharge control setting (departure)	NA	Arrow
Refill control setting (departure)	NA	Arrow
<i>LNAPL Pump and Piping</i>		
LNAPL piping integrity.	Good	Poor
LNAPL pump cleaned?	Yes	No
LNAPL top of pump depth.	NA	Feet
<i>Oil/Water Separator</i>		
Water high level shut-off operational?	Yes	No
White warning light operational?	Yes	No
Separator vessel integrity.	Good	Poor
Leaks present?	Yes	No
Separator cover and seal integrity.	Good	Poor
Decant valve integrity.	Good	Poor
LNAPL in separator?	Yes	No
Separator needs cleaning?	Yes	No
Separator cleaned?	Yes	No

LNAPL/Groundwater System - (Continued)		
<i>Transfer Pump and Piping</i>		
Pump operational?	Yes	No
Pump integrity.	Good	Poor
Flow meter operational?	Yes	No
Transfer pump flow rate.	309.304	GPM
Totalizer reading (cumulative volume).	28.35	Gallons
Water filters changed?	Yes	No
Filter unit pressure (arrival/departure)	145/145	PSI
<i>Carbon Treatment Drums</i>		
Primary carbon drum integrity.	Good	Poor
Primary carbon drum leaks?	Yes	No
Primary carbon drum pressure.	2.0	PSI
Primary carbon removed for disposal?	Yes	No
Secondary carbon drum rotated to primary?	Yes	No
New carbon placed in primary drum?	Yes	No
Secondary carbon drum integrity.	Good	Poor
Secondary carbon drum leaks?	Yes	No
Secondary carbon drum pressure.	1.0	PSI
Secondary carbon removed for disposal?	Yes	No
Polishing drum rotated to secondary?	Yes	No
New carbon placed in secondary drum?	Yes	No
Polishing carbon drum integrity.	Good	Poor
Polishing carbon drum leaks?	Yes	No
Polishing carbon drum pressure.	NA	PSI
Polishing carbon removed for disposal?	Yes	No
New carbon placed in primary drum?	Yes	No
<i>Discharge Piping</i>		
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		
<i>Building and Site</i>		
Remediation shed integrity.	Good	Poor
Shed ventilation acceptable?	Yes	No
Repairs/work needed?	Yes	No
Spill evidence?	Yes	No
<i>Electrical and Heating</i>		
Electric controls operational	Yes	No
Heater operational	Yes	No

Miscellaneous - (Continued)		
<i>Access Vaults</i>		
Overall vault integrity.	Good	Poor
Repairs needed to vaults?	Yes	No
<i>Air Compressor</i>		
Compressor operational?	Yes	No
Compressor hours.	2936.3	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		
<i>Recovery from DNAPL Drum</i>		
Pure DNAPL to disposal drum.		Gallons
DNAPL/water to disposal drum.		Gallons
DNAPL/water to oil/water separator.		Gallons
<i>Recovery from Oil/Water Separator</i>		
Pure DNAPL to disposal drum.		Gallons
DNAPL/water to disposal drum		Gallons
<i>Product, Carbon, Waste Storage</i>		
DNAPL drums on-site (full and fractional)		Drums
Spent carbon drums		Drums
PPE/Solids drums		Drums
LNAPL drums		Drums
Drums labeled?	Yes	No
Drums palletized?	Yes	No

Notes:

Technician: OK
Date: 7-1-05

Former Gastown Manufactured Gas Plant Site

Table 4-1

Site Visit Checklist/Data Sheet

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

LNAPL/Groundwater System		
Operational upon arrival?	Yes	No
LNAPL pump pressure (arrival)	25.0	PSI
LNAPL pump pressure (departure)	25.2	PSI
Bubbler tube operating pressure	7.0	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.	NA	Feet
Oil/Water Separator		
Water high level shut-off operational?	Yes	No
White warning light operational?	Yes	No
Separator vessel integrity.	Good	Poor
Leaks present?	Yes	No
Separator cover and seal integrity.	Good	Poor
Decant valve integrity	Good	Poor
LNAPL in separator?	Yes	No
Separator needs cleaning?	Yes	No
Separator cleaned?	Yes	No

LNAPL/Groundwater System - (Continued)		
Transfer Pump and Piping		
Pump operational?	Yes	No
Pump integrity.	Good	Poor
Flow meter operational?	Yes	No
Transfer pump flow rate.	8.35	GPM
Totalizer reading (cumulative volume).	310.001	Gallons
Water filters changed?	Yes	No
Filter unit pressure (arrival/departure)	15/12	PSI
Carbon Treatment Drums		
Primary carbon drum integrity.	Good	Poor
Primary carbon drum leaks?	Yes	No
Primary carbon drum pressure.	20	PSI
Primary carbon removed for disposal?	Yes	No
Secondary carbon drum rotated to primary?	Yes	No
New carbon placed in primary drum?	Yes	No
Secondary carbon drum integrity.	Good	Poor
Secondary carbon drum leaks?	Yes	No
Secondary carbon drum pressure.	10	PSI
Secondary carbon removed for disposal?	Yes	No
Polishing drum rotated to secondary?	Yes	No
New carbon placed in secondary drum?	Yes	No
Polishing carbon drum integrity.	Good	Poor
Polishing carbon drum leaks?	Yes	No
Polishing carbon drum pressure.	NA	PSI
Polishing carbon removed for disposal?	Yes	No
New carbon placed in primary drum?	Yes	No
Discharge Piping		
Pipe integrity in shed.	Good	Poor
Pipe integrity at catch basin	Good	Poor
Pipe at catch basin clear?	Yes	No
Pipe integrity at creek.	Good	Poor
Pipe at creek clear?	Yes	No

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

Miscellaneous - (Continued)		
Access Vaults		
Overall vault integrity.	Good	Poor
Repairs needed to vaults?	Yes	No
Air Compressor		
Compressor operational?	Yes	No
Compressor hours.	2938.2	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.	NA	a.m./p.m.
Product sampled?	Yes	No

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

Notes: None

see main Disposal List

Technician: DN
Date: 7-8-05

Former Gastown Manufactured Gas Plant Site

Table 4-1

Site Visit Checklist/Data Sheet

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

LNAPL/Groundwater System		
Operational upon arrival?	Yes	No
LNAPL pump pressure (arrival)	25.0	PSI
LNAPL pump pressure (departure)	25.0	PSI
Bubbler tube operating pressure.	7.0	PSI
Pneumatic settings adjusted?	Yes	No
Discharge control setting (departure)	↑	Arrow
Refill control setting (departure)	↓	Arrow
<u>LNAPL Pump and Piping</u>		
LNAPL piping integrity.	Good	Poor
LNAPL pump cleaned?	Yes	No
LNAPL top of pump depth.	NA	Feet
<u>Oil/Water Separator</u>		
Water high level shut-off operational?	Yes	No
White warning light operational?	Yes	No
Separator vessel integrity.	Good	Poor
Leaks present?	Yes	No
Separator cover and seal integrity.	Good	Poor
Decant valve integrity.	Good	Poor
LNAPL in separator?	Yes	No
Separator needs cleaning?	Yes	No
Separator cleaned?	Yes	No

LNAPL/Groundwater System - (Continued)		
<u>Transfer Pump and Piping</u>		
Pump operational?	Yes	No
Pump integrity.	Good	Poor
Flow meter operational?	Yes	No
Transfer pump flow rate.	8.42	GPM
Totalizer reading (cumulative volume).	310,754	Gallons
Water filters changed?	Yes	No
Filter unit pressure (arrival/departure)	16/11.0	PSI
<u>Carbon Treatment Drums</u>		
Primary carbon drum integrity.	Good	Poor
Primary carbon drum leaks?	Yes	No
Primary carbon drum pressure.	2.0	PSI
Primary carbon removed for disposal?	Yes	No
Secondary carbon drum rotated to primary?	Yes	No
New carbon placed in primary drum?	Yes	No
Secondary carbon drum integrity.	Good	Poor
Secondary carbon drum leaks?	Yes	No
Secondary carbon drum pressure.	1.0	PSI
Secondary carbon removed for disposal?	Yes	No
Polishing drum rotated to secondary?	Yes	No
New carbon placed in secondary drum?	Yes	No
Polishing carbon drum integrity.	Good	Poor
Polishing carbon drum leaks?	Yes	No
Polishing carbon drum pressure.	NA	PSI
Polishing carbon removed for disposal?	Yes	No
New carbon placed in primary drum?	Yes	No
<u>Discharge Piping</u>		
Pipe integrity in shed.	Good	Poor
Pipe integrity at catch basin	Good	Poor
Pipe at catch basin clear?	Yes	No
Pipe integrity at creek.	Good	Poor
Pipe at creek clear?	Yes	No

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

Miscellaneous - (Continued)		
<u>Access Vaults</u>		
Overall vault integrity.	Good	Poor
Repairs needed to vaults?	Yes	No
<u>Air Compressor</u>		
Compressor operational?	Yes	No
Compressor hours.	2940.1	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.	NA	a.m./p.m.
Product sampled?	Yes	No

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

Notes:

None.
Charged
H₂O filter 5

See main
disposal list

Technician: DN

Date: 7-15-05

Former Gastown Manufactured Gas Plant Site

Table 4-1

Site Visit Checklist/Data Sheet

DNAPL System		
Operational upon arrival?	Yes	No
DNAPL pump pressure (arrival)		PSI
DNAPL pump pressure (departure)		PSI
Pneumatic settings adjusted?	Yes	No
Discharge control setting (departure)		Arrow
Refill control setting (departure)		Arrow
<i>DNAPL Drum</i>		
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
<i>DNAPL Pump and Piping</i>		
DNAPL piping integrity.	Good	Poor
DNAPL pump cleaned?	Yes	No
DNAPL top of pump depth.	NA	Feet

LNAPL/Groundwater System		
Operational upon arrival?	Yes	No
LNAPL pump pressure (arrival)	25.0	PSI
LNAPL pump pressure (departure)	25.0	PSI
Bubbler tube operating pressure.	7.0	PSI
Pneumatic settings adjusted?	Yes	No
Discharge control setting (departure)		Arrow
Refill control setting (departure)		Arrow
<i>LNAPL Pump and Piping</i>		
LNAPL piping integrity.	Good	Poor
LNAPL pump cleaned?	Yes	No
LNAPL top of pump depth.	NA	Feet
<i>Oil/Water Separator</i>		
Water high level shut-off operational?	Yes	No
White warning light operational?	Yes	No
Separator vessel integrity.	Good	Poor
Leaks present?	Yes	No
Separator cover and seal integrity.	Good	Poor
Decant valve integrity.	Good	Poor
LNAPL in separator?	Yes	No
Separator needs cleaning?	Yes	No
Separator cleaned?	Yes	No

LNAPL/Groundwater System - (Continued)		
<i>Transfer Pump and Piping</i>		
Pump operational?	Yes	No
Pump integrity.	Good	Poor
Flow meter operational?	Yes	No
Transfer pump flow rate.	8.56	GPM
Totalizer reading (cumulative volume).	312325	Gallons
Water filters changed?	Yes	No
Filter unit pressure (arrival/departure)	12.0/12.0	PSI
<i>Carbon Treatment Drums</i>		
Primary carbon drum integrity.	Good	Poor
Primary carbon drum leaks?	Yes	No
Primary carbon drum pressure.	2.0	PSI
Primary carbon removed for disposal?	Yes	No
Secondary carbon drum rotated to primary?	Yes	No
New carbon placed in primary drum?	Yes	No
Secondary carbon drum integrity.	Good	Poor
Secondary carbon drum leaks?	Yes	No
Secondary carbon drum pressure.	1.0	PSI
Secondary carbon removed for disposal?	Yes	No
Polishing drum rotated to secondary?	Yes	No
New carbon placed in secondary drum?	Yes	No
Polishing carbon drum integrity.	Good	Poor
Polishing carbon drum leaks?	Yes	No
Polishing carbon drum pressure.	NA	PSI
Polishing carbon removed for disposal?	Yes	No
New carbon placed in primary drum?	Yes	No
<i>Discharge Piping</i>		
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		
<i>Building and Site</i>		
Remediation shed integrity.	Good	Poor
Shed ventilation acceptable?	Yes	No
Repairs/work needed?	Yes	No
Spill evidence?	Yes	No
<i>Electrical and Heating</i>		
Electric controls operational	Yes	No
Heater operational	Yes	No

Miscellaneous - (Continued)		
<i>Access Vaults</i>		
Overall vault integrity.	Good	Poor
Repairs needed to vaults?	Yes	No
<i>Air Compressor</i>		
Compressor operational?	Yes	No
Compressor hours.	2990.4	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.	1500	a.m./p.m.
Product sampled?	Yes	No

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

Notes:

Technician: DH
Date: 7-29-05

See Main Disposal list

Former Gastown Manufactured Gas Plant Site

Table 4-1

Site Visit Checklist/Data Sheet

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

LNAPL/Groundwater System		
Operational upon arrival?	<u>Yes</u>	No
LNAPL pump pressure (arrival)	<u>25.0</u>	PSI
LNAPL pump pressure (departure)	<u>25.0</u>	PSI
Bubbler tube operating pressure.	<u>7.0</u>	PSI
Pneumatic settings adjusted?	Yes	<u>No</u>
Discharge control setting (departure)	<u>7</u>	Arrow
Refill control setting (departure)	<u>7</u>	Arrow
<u>LNAPL Pump and Piping</u>		
LNAPL piping integrity.	<u>Good</u>	Poor
LNAPL pump cleaned?	Yes	<u>No</u>
LNAPL top of pump depth.	<u>NA</u>	Feet
<u>Oil/Water Separator</u>		
Water high level shut-off operational?	<u>Yes</u>	No
White warning light operational?	<u>Yes</u>	No
Separator vessel integrity.	<u>Good</u>	Poor
Leaks present?	Yes	<u>No</u>
Separator cover and seal integrity.	<u>Good</u>	Poor
Decant valve integrity.	<u>Good</u>	Poor
LNAPL in separator?	Yes	<u>No</u>
Separator needs cleaning?	Yes	<u>No</u>
Separator cleaned?	Yes	<u>No</u>

Technician: OH
 Date: 8/5/05

LNAPL/Groundwater System - (Continued)		
<u>Transfer Pump and Piping</u>		
Pump operational?	<u>Yes</u>	No
Pump integrity.	<u>Good</u>	Poor
Flow meter operational?	<u>Yes</u>	No
Transfer pump flow rate.	<u>8.21</u>	GPM
Totalizer reading (cumulative volume).	<u>312618</u>	Gallons
Water filters changed?	Yes	<u>No</u>
Filter unit pressure (arrival/departure)	<u>12/12</u>	PSI
<u>Carbon Treatment Drums</u>		
Primary carbon drum integrity.	<u>Good</u>	Poor
Primary carbon drum leaks?	Yes	<u>No</u>
Primary carbon drum pressure.	<u>3.0</u>	PSI
Primary carbon removed for disposal?	Yes	<u>No</u>
Secondary carbon drum rotated to primary?	Yes	<u>No</u>
New carbon placed in primary drum?	Yes	<u>No</u>
Secondary carbon drum integrity.	<u>Good</u>	Poor
Secondary carbon drum leaks?	Yes	<u>No</u>
Secondary carbon drum pressure.	<u>0.2</u>	PSI
Secondary carbon removed for disposal?	Yes	<u>No</u>
Polishing drum rotated to secondary?	Yes	<u>No</u>
New carbon placed in secondary drum?	Yes	<u>No</u>
Polishing carbon drum integrity.	<u>Good</u>	Poor
Polishing carbon drum leaks?	Yes	<u>No</u>
Polishing carbon drum pressure.	<u>NA</u>	PSI
Polishing carbon removed for disposal?	Yes	<u>No</u>
New carbon placed in primary drum?	Yes	<u>No</u>
<u>Discharge Piping</u>		
Pipe integrity in shed.	<u>Good</u>	Poor
Pipe integrity at catch basin.	<u>Good</u>	Poor
Pipe at catch basin clear?	<u>Yes</u>	No
Pipe integrity at creek.	<u>Good</u>	Poor
Pipe at creek clear?	<u>Yes</u>	No

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

Miscellaneous - (Continued)		
<u>Access Vaults</u>		
Overall vault integrity.	<u>Good</u>	Poor
Repairs needed to vaults?	Yes	<u>No</u>
<u>Air Compressor</u>		
Compressor operational?	<u>Yes</u>	No
Compressor hours.	<u>2023.1</u>	Hours
Oil level checked?	<u>Yes</u>	<u>No</u>
Oil level changed?	Yes	<u>No</u>
Compressor trap operating?	<u>Yes</u>	No
Regulator operating?	<u>Yes</u>	No
Air lines performing properly?	<u>Yes</u>	No

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

Recovery and Disposal		
<u>Recovery from DNAPL Drum</u>		
Pure DNAPL to disposal drum.	<u>0.4</u>	Gallons
DNAPL/water to disposal drum.	<u>0.6</u>	Gallons
DNAPL/water to oil/water separator.	<u>55</u>	Gallons
<u>Recovery from Oil/Water Separator</u>		
Pure DNAPL to disposal drum.	<u>0.0</u>	Gallons
DNAPL/water to disposal drum.	<u>0.0</u>	Gallons
<u>Product, Carbon, Waste Storage</u>		
DNAPL drums on-site (full and fractional)		Drums
Spent carbon drums		Drums
PPE/Solids drums		Drums
LNAPL drums		Drums
Drums labeled?	Yes	No
Drums palletized?	Yes	No

Notes:

→ none new
 - see main disposal list

Former Gastown Manufactured Gas Plant Site

Table 4-1

Site Visit Checklist/Data Sheet

DNAPL System		
Operational upon arrival?	<u>Yes</u>	No
DNAPL pump pressure (arrival)	<u>2.0</u>	PSI
DNAPL pump pressure (departure)	<u>2.0</u>	PSI
Pneumatic settings adjusted?	Yes	<u>No</u>
Discharge control setting (departure)	<u>↑</u>	Arrow
Refill control setting (departure)	<u>↓</u>	Arrow
<u>DNAPL Drum</u>		
High level shut off operational?	<u>Yes</u>	No
Green warning light operational?	<u>Yes</u>	No
DNAPL drum container integrity.	<u>Good</u>	Poor
Leaks present?	Yes	<u>No</u>
Decant valve integrity.	<u>Good</u>	Poor
<u>DNAPL Pump and Piping</u>		
DNAPL piping integrity.	<u>Good</u>	Poor
DNAPL pump cleaned?	Yes	<u>No</u>
DNAPL top of pump depth.	<u>NA</u>	Feet

LNAPL/Groundwater System		
Operational upon arrival?	<u>Yes</u>	No
LNAPL pump pressure (arrival)	<u>25.0</u>	PSI
LNAPL pump pressure (departure)	<u>25.0</u>	PSI
Bubbler tube operating pressure.	<u>7.0</u>	PSI
Pneumatic settings adjusted?	Yes	<u>No</u>
Discharge control setting (departure)	<u>↑</u>	Arrow
Refill control setting (departure)	<u>↓</u>	Arrow
<u>LNAPL Pump and Piping</u>		
LNAPL piping integrity.	<u>Good</u>	Poor
LNAPL pump cleaned?	Yes	<u>No</u>
LNAPL top of pump depth.	<u>NA</u>	Feet
<u>Oil/Water Separator</u>		
Water high level shut-off operational?	<u>Yes</u>	No
White warning light operational?	<u>Yes</u>	No
Separator vessel integrity.	<u>Good</u>	Poor
Leaks present?	Yes	<u>No</u>
Separator cover and seal integrity.	<u>Good</u>	Poor
Decant valve integrity.	<u>Good</u>	Poor
LNAPL in separator?	Yes	<u>No</u>
Separator needs cleaning?	Yes	<u>No</u>
Separator cleaned?	Yes	<u>No</u>

Technician: DH
 Date: 8/12/05

LNAPL/Groundwater System - (Continued)		
<u>Transfer Pump and Piping</u>		
Pump operational?	<u>Yes</u>	No
Pump integrity.	<u>Good</u>	Poor
Flow meter operational?	<u>Yes</u>	No
Transfer pump flow rate.	<u>7.64</u>	GPM
Totalizer reading (cumulative volume).	<u>312805</u>	Gallons
Water filters changed?	<u>Yes</u>	No
Filter unit pressure (arrival/departure)	<u>13/11</u>	PSI
<u>Carbon Treatment Drums</u>		
Primary carbon drum integrity.	<u>Good</u>	Poor
Primary carbon drum leaks?	Yes	<u>No</u>
Primary carbon drum pressure.	<u>3.0</u>	PSI
Primary carbon removed for disposal?	Yes	<u>No</u>
Secondary carbon drum rotated to primary?	Yes	<u>No</u>
New carbon placed in primary drum?	Yes	<u>No</u>
Secondary carbon drum integrity.	<u>Good</u>	Poor
Secondary carbon drum leaks?	Yes	<u>No</u>
Secondary carbon drum pressure.	<u>0.0</u>	PSI
Secondary carbon removed for disposal?	Yes	<u>No</u>
Polishing drum rotated to secondary?	Yes	<u>No</u>
New carbon placed in secondary drum?	Yes	<u>No</u>
Polishing carbon drum integrity.	<u>Good</u>	Poor
Polishing carbon drum leaks?	Yes	<u>No</u>
Polishing carbon drum pressure.	<u>NA</u>	PSI
Polishing carbon removed for disposal?	Yes	<u>No</u>
New carbon placed in primary drum?	Yes	<u>No</u>
<u>Discharge Piping</u>		
Pipe integrity in shed.	<u>Good</u>	Poor
Pipe integrity at catch basin.	<u>Good</u>	Poor
Pipe at catch basin clear?	<u>Yes</u>	No
Pipe integrity at creek.	<u>Good</u>	Poor
Pipe at creek clear?	<u>Yes</u>	No

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

Miscellaneous - (Continued)		
<u>Access Vaults</u>		
Overall vault integrity.	<u>Good</u>	Poor
Repairs needed to vaults?	Yes	<u>No</u>
<u>Air Compressor</u>		
Compressor operational?	<u>Yes</u>	No
Compressor hours.	<u>2945.2</u>	Hours
Oil level checked?	<u>Yes</u>	No
Oil level changed?	Yes	<u>No</u>
Compressor trap operating?	<u>Yes</u>	No
Regulator operating?	<u>Yes</u>	No
Air lines performing properly?	<u>Yes</u>	No

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

Recovery and Disposal		
<u>Recovery from DNAPL Drum</u>		
Pure DNAPL to disposal drum.	<u>0.2</u>	Gallons
DNAPL/water to disposal drum.	<u>0.3</u>	Gallons
DNAPL/water to oil/water separator.	<u>58</u>	Gallons
<u>Recovery from Oil/Water Separator</u>		
Pure DNAPL to disposal drum.	<u>0.0</u>	Gallons
DNAPL/water to disposal drum.	<u>0.0</u>	Gallons
<u>Product, Carbon, Waste Storage</u>		
DNAPL drums on-site (full and fractional)		Drums
Spent carbon drums		Drums
PPE/Solids drums		Drums
LNAPL drums		Drums
Drums labeled?	Yes	No
Drums palletized?	Yes	No

Notes:

→ none new
 - see main disposal list

Former Gastown Manufactured Gas Plant Site

Table 4-1

Site Visit Checklist/Data Sheet

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

LNAPL/Groundwater System		
Operational upon arrival?	<u>Yes</u>	No
LNAPL pump pressure (arrival)	<u>25.0</u>	PSI
LNAPL pump pressure (departure)	<u>25.0</u>	PSI
Bubbler tube operating pressure.	<u>7.0</u>	PSI
Pneumatic settings adjusted?	Yes	<u>No</u>
Discharge control setting (departure)	<u>↑</u>	Arrow
Refill control setting (departure)	<u>↓</u>	Arrow
LNAPL Pump and Piping		
LNAPL piping integrity.	<u>Good</u>	Poor
LNAPL pump cleaned?	Yes	<u>No</u>
LNAPL top of pump depth.	<u>NA</u>	Feet
Oil/Water Separator		
Water high level shut-off operational?	<u>Yes</u>	No
White warning light operational?	<u>Yes</u>	No
Separator vessel integrity.	<u>Good</u>	Poor
Leaks present?	Yes	<u>No</u>
Separator cover and seal integrity.	<u>Good</u>	Poor
Decant valve integrity.	<u>Good</u>	Poor
LNAPL in separator?	Yes	<u>No</u>
Separator needs cleaning?	Yes	<u>No</u>
Separator cleaned?	Yes	<u>No</u>

Technician: DH
 Date: 8/19/05

LNAPL/Groundwater System - (Continued)		
Transfer Pump and Piping		
Pump operational?	<u>Yes</u>	No
Pump integrity.	<u>Good</u>	Poor
Flow meter operational?	<u>Yes</u>	No
Transfer pump flow rate.	<u>0.46</u>	GPM
Totalizer reading (cumulative volume).	<u>313016</u>	Gallons
Water filters changed?	Yes	<u>No</u>
Filter unit pressure (arrival/departure)	<u>11/11</u>	PSI
Carbon Treatment Drums		
Primary carbon drum integrity.	<u>Good</u>	Poor
Primary carbon drum leaks?	Yes	<u>No</u>
Primary carbon drum pressure.	<u>3.0</u>	PSI
Primary carbon removed for disposal?	Yes	<u>No</u>
Secondary carbon drum rotated to primary?	Yes	<u>No</u>
New carbon placed in primary drum?	Yes	<u>No</u>
Secondary carbon drum integrity.	<u>Good</u>	Poor
Secondary carbon drum leaks?	Yes	<u>No</u>
Secondary carbon drum pressure.	<u>0.0</u>	PSI
Secondary carbon removed for disposal?	Yes	<u>No</u>
Polishing drum rotated to secondary?	Yes	<u>No</u>
New carbon placed in secondary drum?	Yes	<u>No</u>
Polishing carbon drum integrity.	<u>Good</u>	Poor
Polishing carbon drum leaks?	Yes	<u>No</u>
Polishing carbon drum pressure.	<u>NA</u>	PSI
Polishing carbon removed for disposal?	Yes	<u>No</u>
New carbon placed in primary drum?	Yes	<u>No</u>
Discharge Piping		
Pipe integrity in shed.	<u>Good</u>	Poor
Pipe integrity at catch basin.	<u>Good</u>	Poor
Pipe at catch basin clear?	<u>Yes</u>	No
Pipe integrity at creek.	<u>Good</u>	Poor
Pipe at creek clear?	<u>Yes</u>	No

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

Miscellaneous - (Continued)		
Access Vaults		
Overall vault integrity.	<u>Good</u>	Poor
Repairs needed to vaults?	Yes	<u>No</u>
Air Compressor		
Compressor operational?	<u>Yes</u>	No
Compressor hours.	<u>2974.6</u>	Hours
Oil level checked?	<u>Yes</u>	No
Oil level changed?	Yes	<u>No</u>
Compressor trap operating?	<u>Yes</u>	No
Regulator operating?	<u>Yes</u>	No
Air lines performing properly?	<u>Yes</u>	No

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

Recovery and Disposal		
Recovery from DNAPL Drum		
Pure DNAPL to disposal drum.	<u>0.1</u>	Gallons
DNAPL/water to disposal drum.	<u>0.1</u>	Gallons
DNAPL/water to oil/water separator.	<u>62</u>	Gallons
Recovery from Oil/Water Separator		
Pure DNAPL to disposal drum.	<u>0.0</u>	Gallons
DNAPL/water to disposal drum.	<u>0.0</u>	Gallons
Product, Carbon, Waste Storage		
DNAPL drums on-site (full and fractional)		Drums
Spent carbon drums		Drums
PPE/Solids drums		Drums
LNAPL drums		Drums
Drums labeled?	Yes	No
Drums palletized?	Yes	No

Notes:

None new
 - see main disposal list

Former Gastown Manufactured Gas Plant Site

Table 4-1

Site Visit Checklist/Data Sheet

DNAPL System		
Operational upon arrival?	Yes	<input checked="" type="radio"/> 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
<u>DNAPL Drum</u>		
High level shut off operational?	Yes	No
Green warning light operational?	Yes	No
DNAPL drum container integrity.	Good	Poor
Leaks present?	Yes	No
Decant valve integrity.	Good	Poor
<u>DNAPL Pump and Piping</u>		
DNAPL piping integrity.	Good	Poor
DNAPL pump cleaned?	Yes	No
DNAPL top of pump depth.	NA	Feet

LNAPL/Groundwater System		
Operational upon arrival?	Yes	<input checked="" type="radio"/> 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
<u>LNAPL Pump and Piping</u>		
LNAPL piping integrity.	Good	Poor
LNAPL pump cleaned?	Yes	No
LNAPL top of pump depth.	NA	Feet
<u>Oil/Water Separator</u>		
Water high level shut-off operational?	Yes	No
White warning light operational?	Yes	No
Separator vessel integrity.	Good	Poor
Leaks present?	Yes	No
Separator cover and seal integrity	Good	Poor
Decant valve integrity	Good	Poor
LNAPL in separator?	Yes	No
Separator needs cleaning?	Yes	No
Separator cleaned?	Yes	No

Technician: DA

Date: 9/16/05

LNAPL/Groundwater System - (Continued)		
<u>Transfer Pump and Piping</u>		
Pump operational?	Yes	No
Pump integrity.	Good	Poor
Flow meter operational?	Yes	No
Transfer pump flow rate.	7.96	GPM
Totalizer reading (cumulative volume).	313381	Gallons
Water filters changed?	Yes	No
Filter unit pressure (arrival/departure)	12/12	PSI
<u>Carbon Treatment Drums</u>		
Primary carbon drum integrity.	Good	Poor
Primary carbon drum leaks?	Yes	No
Primary carbon drum pressure.	3.0	PSI
Primary carbon removed for disposal?	Yes	No
Secondary carbon drum rotated to primary?	Yes	No
New carbon placed in primary drum?	Yes	No
Secondary carbon drum integrity.	Good	Poor
Secondary carbon drum leaks?	Yes	No
Secondary carbon drum pressure.	0.0	PSI
Secondary carbon removed for disposal?	Yes	No
Polishing drum rotated to secondary?	Yes	No
New carbon placed in secondary drum?	Yes	No
Polishing carbon drum integrity.	Good	Poor
Polishing carbon drum leaks?	Yes	No
Polishing carbon drum pressure.	NA	PSI
Polishing carbon removed for disposal?	Yes	No
New carbon placed in primary drum?	Yes	No
<u>Discharge Piping</u>		
Pipe integrity in shed	Good	Poor
Pipe integrity at catch basin	Good	Poor
Pipe at catch basin clear?	Yes	No
Pipe integrity at creek.	Good	Poor
Pipe at creek clear?	Yes	No

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

Miscellaneous - (Continued)		
<u>Access Vaults</u>		
Overall vault integrity.	Good	Poor
Repairs needed to vaults?	Yes	No
<u>Air Compressor</u>		
Compressor operational?	Yes	No
Compressor hours.	3001.4	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.	1500	a.m./p.m.
Product sampled?	Yes	No

Recovery and Disposal		
<u>Recovery from DNAPL Drum</u>		
Pure DNAPL to disposal drum.	0.0	Gallons
DNAPL/water to disposal drum.	0.0	Gallons
DNAPL/water to oil/water separator.	5	Gallons
<u>Recovery from Oil/Water Separator</u>		
Pure DNAPL to disposal drum.	0.0	Gallons
DNAPL/water to disposal drum	0.0	Gallons
<u>Product, Carbon, Waste Storage</u>		
DNAPL drums on-site (full and fractional)		Drums
Spent carbon drums		Drums
PPE/Solids drums		Drums
LNAPL drums		Drums
Drums labeled?	Yes	No
Drums palletized?	Yes	No

Notes:

→ None new
- see main
disposal list

Former Gastown Manufactured Gas Plant Site

Table 4-1

Site Visit Checklist/Data Sheet

DNAPL System		
Operational upon arrival?	<u>Yes</u>	No
DNAPL pump pressure (arrival)	<u>20.0</u>	PSI
DNAPL pump pressure (departure)	<u>20.0</u>	PSI
Pneumatic settings adjusted?	<u>Yes</u>	<u>No</u>
Discharge control setting (departure)	<u>↑</u>	Arrow
Refill control setting (departure)	<u>↓</u>	Arrow
<u>DNAPL Drum</u>		
High level shut off operational?	<u>Yes</u>	No
Green warning light operational?	<u>Yes</u>	No
DNAPL drum container integrity.	<u>Good</u>	Poor
Leaks present?	<u>Yes</u>	<u>No</u>
Decant valve integrity.	<u>Good</u>	Poor
<u>DNAPL Pump and Piping</u>		
DNAPL piping integrity.	<u>Good</u>	Poor
DNAPL pump cleaned?	<u>Yes</u>	<u>No</u>
DNAPL top of pump depth.	<u>NA</u>	Feet

LNAPL/Groundwater System		
Operational upon arrival?	<u>Yes</u>	No
LNAPL pump pressure (arrival)	<u>30.0</u>	PSI
LNAPL pump pressure (departure)	<u>30.0</u>	PSI
Bubbler tube operating pressure.	<u>2.0</u>	PSI
Pneumatic settings adjusted?	<u>Yes</u>	No
Discharge control setting (departure)	<u>↑</u>	Arrow
Refill control setting (departure)	<u>↓</u>	Arrow
<u>LNAPL Pump and Piping</u>		
LNAPL piping integrity.	<u>Good</u>	Poor
LNAPL pump cleaned?	<u>Yes</u>	<u>No</u>
LNAPL top of pump depth.	<u>NA</u>	Feet
<u>Oil/Water Separator</u>		
Water high level shut-off operational?	<u>Yes</u>	No
White warning light operational?	<u>Yes</u>	No
Separator vessel integrity.	<u>Good</u>	Poor
Leaks present?	<u>Yes</u>	<u>No</u>
Separator cover and seal integrity.	<u>Good</u>	Poor
Decant valve integrity.	<u>Good</u>	Poor
LNAPL in separator?	<u>Yes</u>	<u>No</u>
Separator needs cleaning?	<u>Yes</u>	<u>No</u>
Separator cleaned?	<u>Yes</u>	<u>No</u>

Technician: DN
Date: 9-9-05

LNAPL/Groundwater System - (Continued)		
<u>Transfer Pump and Piping</u>		
Pump operational?	<u>Yes</u>	No
Pump integrity.	<u>Good</u>	Poor
Flow meter operational?	<u>Yes</u>	No
Transfer pump flow rate.	<u>8.73</u>	GPM
Totalizer reading (cumulative volume).	<u>323867</u>	Gallons
Water filters changed?	<u>Yes</u>	<u>No</u>
Filter unit pressure (arrival/departure)	<u>46/11.0</u>	PSI
<u>Carbon Treatment Drums</u>		
Primary carbon drum integrity.	<u>Good</u>	Poor
Primary carbon drum leaks?	<u>Yes</u>	<u>No</u>
Primary carbon drum pressure.	<u>2.0</u>	PSI
Primary carbon removed for disposal?	<u>Yes</u>	<u>No</u>
Secondary carbon drum rotated to primary?	<u>Yes</u>	<u>No</u>
New carbon placed in primary drum?	<u>Yes</u>	<u>No</u>
Secondary carbon drum integrity.	<u>Good</u>	Poor
Secondary carbon drum leaks?	<u>Yes</u>	<u>No</u>
Secondary carbon drum pressure.	<u>1.0</u>	PSI
Secondary carbon removed for disposal?	<u>Yes</u>	<u>No</u>
Polishing drum rotated to secondary?	<u>Yes</u>	<u>No</u>
New carbon placed in secondary drum?	<u>Yes</u>	<u>No</u>
Polishing carbon drum integrity.	<u>Good</u>	Poor
Polishing carbon drum leaks?	<u>Yes</u>	No
Polishing carbon drum pressure.	<u>NA</u>	PSI
Polishing carbon removed for disposal?	<u>Yes</u>	No
New carbon placed in primary drum?	<u>Yes</u>	No
<u>Discharge Piping</u>		
Pipe integrity in shed.	<u>Good</u>	Poor
Pipe integrity at catch basin.	<u>Good</u>	Poor
Pipe at catch basin clear?	<u>Yes</u>	No
Pipe integrity at creek.	<u>Good</u>	Poor
Pipe at creek clear?	<u>Yes</u>	No

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

Miscellaneous - (Continued)		
<u>Access Vaults</u>		
Overall vault integrity.	<u>Good</u>	Poor
Repairs needed to vaults?	<u>Yes</u>	<u>No</u>
<u>Air Compressor</u>		
Compressor operational?	<u>Yes</u>	No
Compressor hours.	<u>305.7</u>	Hours
Oil level checked?	<u>Yes</u>	No
Oil level changed?	<u>Yes</u>	<u>No</u>
Compressor trap operating?	<u>Yes</u>	No
Regulator operating?	<u>Yes</u>	No
Air lines performing properly?	<u>Yes</u>	No

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

Recovery and Disposal		
<u>Recovery from DNAPL Drum</u>		
Pure DNAPL to disposal drum.	<u>0.25</u>	Gallons
DNAPL/water to disposal drum.	<u>0.25</u>	Gallons
DNAPL/water to oil/water separator.	<u>65</u>	Gallons
<u>Recovery from Oil/Water Separator</u>		
Pure DNAPL to disposal drum.	<u>NA</u>	Gallons
DNAPL/water to disposal drum.	<u>NA</u>	Gallons
<u>Product, Carbon, Waste Storage</u>		
DNAPL drums on-site (full and fractional)		Drums
Spent carbon drums		Drums
PPE/Solids drums		Drums
LNAPL drums		Drums
Drums labeled?	<u>Yes</u>	No
Drums palletized?	<u>Yes</u>	No

Notes:

see drum inventory sheet

Former Gastown Manufactured Gas Plant Site

Table 4-1

Site Visit Checklist/Data Sheet

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

LNAPL/Groundwater System		
Operational upon arrival?	<u>Yes</u>	No
LNAPL pump pressure (arrival)	<u>30.0</u>	PSI
LNAPL pump pressure (departure)	<u>30.0</u>	PSI
Bubbler tube operating pressure.	<u>7.0</u>	PSI
Pneumatic settings adjusted?	<u>Yes</u>	<u>No</u>
Discharge control setting (departure)	<u>↑</u>	Arrow
Refill control setting (departure)	<u>↓</u>	Arrow
<u>LNAPL Pump and Piping</u>		
LNAPL piping integrity.	<u>Good</u>	Poor
LNAPL pump cleaned?	<u>Yes</u>	<u>No</u>
LNAPL top of pump depth.	<u>NA</u>	Feet
<u>Oil/Water Separator</u>		
Water high level shut-off operational?	<u>Yes</u>	No
White warning light operational?	<u>Yes</u>	No
Separator vessel integrity.	<u>Good</u>	Poor
Leaks present?	<u>Yes</u>	<u>No</u>
Separator cover and seal integrity.	<u>Good</u>	Poor
Decant valve integrity.	<u>Good</u>	Poor
LNAPL in separator?	<u>Yes</u>	<u>No</u>
Separator needs cleaning?	<u>No</u>	<u>No</u>
Separator cleaned?	<u>Yes</u>	<u>No</u>

LNAPL/Groundwater System - (Continued)		
<u>Transfer Pump and Piping</u>		
Pump operational?	<u>Yes</u>	No
Pump integrity.	<u>Good</u>	Poor
Flow meter operational?	<u>Yes</u>	No
Transfer pump flow rate.	<u>6.9L</u>	GPM
Totalizer reading (cumulative volume).	<u>341980</u>	Gallons
Water filters changed?	<u>Yes</u>	<u>No</u>
Filter unit pressure (arrival/departure)	<u>15.9/15.0</u>	PSI
<u>Carbon Treatment Drums</u>		
Primary carbon drum integrity.	<u>Good</u>	Poor
Primary carbon drum leaks?	<u>Yes</u>	<u>No</u>
Primary carbon drum pressure.	<u>2.0</u>	PSI
Primary carbon removed for disposal?	<u>Yes</u>	<u>No</u>
Secondary carbon drum rotated to primary?	<u>Yes</u>	<u>No</u>
New carbon placed in primary drum?	<u>Yes</u>	<u>No</u>
Secondary carbon drum integrity.	<u>Good</u>	Poor
Secondary carbon drum leaks?	<u>Yes</u>	<u>No</u>
Secondary carbon drum pressure.	<u>1.0</u>	PSI
Secondary carbon removed for disposal?	<u>Yes</u>	<u>No</u>
Polishing drum rotated to secondary?	<u>Yes</u>	<u>No</u>
New carbon placed in secondary drum?	<u>Yes</u>	<u>No</u>
Polishing carbon drum integrity.	<u>Good</u>	Poor
Polishing carbon drum leaks?	<u>Yes</u>	<u>No</u>
Polishing carbon drum pressure.	<u>NA</u>	PSI
Polishing carbon removed for disposal?	<u>Yes</u>	<u>No</u>
New carbon placed in primary drum?	<u>Yes</u>	<u>No</u>
<u>Discharge Piping</u>		
Pipe integrity in shed.	<u>Good</u>	Poor
Pipe integrity at catch basin.	<u>Good</u>	Poor
Pipe at catch basin clear?	<u>Yes</u>	No
Pipe integrity at creek.	<u>Good</u>	Poor
Pipe at creek clear?	<u>Yes</u>	No

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

Miscellaneous - (Continued)		
<u>Access Vaults</u>		
Overall vault integrity.	<u>Good</u>	Poor
Repairs needed to vaults?	<u>Yes</u>	<u>No</u>
<u>Air Compressor</u>		
Compressor operational?	<u>Yes</u>	No
Compressor hours.	<u>3014.3</u>	Hours
Oil level checked?	<u>Yes</u>	No
Oil level changed?	<u>Yes</u>	<u>No</u>
Compressor trap operating?	<u>Yes</u>	No
Regulator operating?	<u>Yes</u>	No
Air lines performing properly?	<u>Yes</u>	No

Sampling		
Primary carbon influent sampled?	<u>Yes</u>	No
Primary carbon effluent sampled?	<u>Yes</u>	<u>No</u>
Secondary carbon effluent sampled?	<u>Yes</u>	No
Compliance event?	<u>Yes</u>	No
Time sampled.	<u>0900</u>	a.m./p.m.
Product sampled?	<u>Yes</u>	<u>No</u>

Recovery and Disposal		
<u>Recovery from DNAPL Drum</u>		
Pure DNAPL to disposal drum.	<u>0.25</u>	Gallons
DNAPL/water to disposal drum.	<u>0.25</u>	Gallons
DNAPL/water to oil/water separator.	<u>60.0</u>	Gallons
<u>Recovery from Oil/Water Separator</u>		
Pure DNAPL to disposal drum.	<u>0.0</u>	Gallons
DNAPL/water to disposal drum.	<u>0.0</u>	Gallons
<u>Product, Carbon, Waste Storage</u>		
DNAPL drums on-site (full and fractional)		Drums
Spent carbon drums		Drums
PPE/Solids drums		Drums
LNAPL drums		Drums
Drums labeled?	<u>Yes</u>	No
Drums palletized?	<u>Yes</u>	No

Notes:

See Site
drum inventory
Sheet

Technician: DH
Date: 9-30-05

Former Gastown Manufactured Gas Plant Site

Table 4-1

Site Visit Checklist/Data Sheet

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

LNAPL/Groundwater System		
Operational upon arrival?	Yes	No
LNAPL pump pressure (arrival)	20.0	PSI
LNAPL pump pressure (departure)	20.0	PSI
Bubbler tube operating pressure.	7.0	PSI
Pneumatic settings adjusted?	Yes	(No)
Discharge control setting (departure)	↑	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.	NA	Feet
Oil/Water Separator		
Water high level shut-off operational?	(Yes)	No
White warning light operational?	(Yes)	No
Separator vessel integrity.	(Good)	Poor
Leaks present?	Yes	(No)
Separator cover and seal integrity.	(Good)	Poor
Decant valve integrity.	(Good)	Poor
LNAPL in separator?	Yes	(No)
Separator needs cleaning?	Yes	(No)
Separator cleaned?	Yes	(No)

LNAPL/Groundwater System - (Continued)		
Transfer Pump and Piping		
Pump operational?	(Yes)	No
Pump integrity.	(Good)	Poor
Flow meter operational?	(Yes)	No
Transfer pump flow rate.	8.18	GPM
Totalizer reading (cumulative volume).	351005	Gallons
Water filters changed?	Yes	(No)
Filter unit pressure (arrival/departure)	12.0/12.0	PSI
Carbon Treatment Drums		
Primary carbon drum integrity.	(Good)	Poor
Primary carbon drum leaks?	Yes	(No)
Primary carbon drum pressure.	2.0	PSI
Primary carbon removed for disposal?	Yes	(No)
Secondary carbon drum rotated to primary?	Yes	(No)
New carbon placed in primary drum?	Yes	(No)
Secondary carbon drum integrity.	(Good)	Poor
Secondary carbon drum leaks?	Yes	(No)
Secondary carbon drum pressure.	1.0	PSI
Secondary carbon removed for disposal?	Yes	(No)
Polishing drum rotated to secondary?	Yes	(No)
New carbon placed in secondary drum?	Yes	(No)
Polishing carbon drum integrity.	(Good)	Poor
Polishing carbon drum leaks?	Yes	(No)
Polishing carbon drum pressure.	NA	PSI
Polishing carbon removed for disposal?	Yes	(No)
New carbon placed in primary drum?	Yes	(No)
Discharge Piping		
Pipe integrity in shed.	(Good)	Poor
Pipe integrity at catch basin.	(Good)	Poor
Pipe at catch basin clear?	(Yes)	No
Pipe integrity at creek.	(Good)	Poor
Pipe at creek clear?	(Yes)	No

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

Miscellaneous - (Continued)		
Access Vaults		
Overall vault integrity.	(Good)	Poor
Repairs needed to vaults?	Yes	(No)
Air Compressor		
Compressor operational?	(Yes)	No
Compressor hours.	3020.9	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.	NA	a.m./p.m.
Product sampled?	Yes	(No)

Recovery and Disposal		
Recovery from DNAPL Drum		
Pure DNAPL to disposal drum.	0.2	Gallons
DNAPL/water to disposal drum.	0.3	Gallons
DNAPL/water to oil/water separator.	35	Gallons
Recovery from Oil/Water Separator		
Pure DNAPL to disposal drum.	0.0	Gallons
DNAPL/water to disposal drum.	0.0	Gallons
Product, Carbon, Waste Storage		
DNAPL drums on-site (full and fractional)		Drums
Spent carbon drums		Drums
PPE/Solids drums		Drums
LNAPL drums		Drums
Drums labeled?	Yes	No
Drums palletized?	Yes	No

Notes:

See Main drum disposal list.

Technician: DH
Date: 10-6-05

Former Gastown Manufactured Gas Plant Site

Table 4-1

Site Visit Checklist/Data Sheet

DNAPL System		
Operational upon arrival?	<u>Yes</u>	No
DNAPL pump pressure (arrival)	<u>20.0</u>	PSI
DNAPL pump pressure (departure)	<u>20.0</u>	PSI
Pneumatic settings adjusted?	Yes	<u>No</u>
Discharge control setting (departure)	<u>↑</u>	Arrow
Refill control setting (departure)	<u>↓</u>	Arrow
<u>DNAPL Drum</u>		
High level shut off operational?	<u>Yes</u>	No
Green warning light operational?	<u>Yes</u>	No
DNAPL drum container integrity.	<u>Good</u>	Poor
Leaks present?	Yes	<u>No</u>
Decant valve integrity.	<u>Good</u>	Poor
<u>DNAPL Pump and Piping</u>		
DNAPL piping integrity.	<u>Good</u>	Poor
DNAPL pump cleaned?	Yes	<u>No</u>
DNAPL top of pump depth.	<u>NA</u>	Feet

LNAPL/Groundwater System		
Operational upon arrival?	<u>Yes</u>	No
LNAPL pump pressure (arrival)	<u>30.0</u>	PSI
LNAPL pump pressure (departure)	<u>30.0</u>	PSI
Bubbler tube operating pressure.	<u>7.0</u>	PSI
Pneumatic settings adjusted?	Yes	<u>No</u>
Discharge control setting (departure)	<u>↑</u>	Arrow
Refill control setting (departure)	<u>↓</u>	Arrow
<u>LNAPL Pump and Piping</u>		
LNAPL piping integrity.	<u>Good</u>	Poor
LNAPL pump cleaned?	Yes	<u>No</u>
LNAPL top of pump depth.	<u>NA</u>	Feet
<u>Oil/Water Separator</u>		
Water high level shut-off operational?	<u>Yes</u>	No
White warning light operational?	<u>Yes</u>	No
Separator vessel integrity.	<u>Good</u>	Poor
Leaks present?	Yes	<u>No</u>
Separator cover and seal integrity.	<u>Good</u>	Poor
Decant valve integrity.	<u>Good</u>	Poor
LNAPL in separator?	Yes	<u>No</u>
Separator needs cleaning?	Yes	<u>No</u>
Separator cleaned?	Yes	<u>No</u>

LNAPL/Groundwater System - (Continued)		
<u>Transfer Pump and Piping</u>		
Pump operational?	<u>Yes</u>	No
Pump integrity.	<u>Good</u>	Poor
Flow meter operational?	<u>Yes</u>	No
Transfer pump flow rate.	<u>7.48</u>	GPM
Totalizer reading (cumulative volume).	<u>3542.98</u>	Gallons
Water filters changed?	Yes	<u>No</u>
Filter unit pressure (arrival/departure)	<u>14.4/14.0</u>	PSI
<u>Carbon Treatment Drums</u>		
Primary carbon drum integrity.	<u>Good</u>	Poor
Primary carbon drum leaks?	Yes	<u>No</u>
Primary carbon drum pressure.	<u>2.0</u>	PSI
Primary carbon removed for disposal?	Yes	<u>No</u>
Secondary carbon drum rotated to primary?	Yes	<u>No</u>
New carbon placed in primary drum?	Yes	<u>No</u>
Secondary carbon drum integrity.	<u>Good</u>	Poor
Secondary carbon drum leaks?	Yes	<u>No</u>
Secondary carbon drum pressure.	<u>1.0</u>	PSI
Secondary carbon removed for disposal?	Yes	<u>No</u>
Polishing drum rotated to secondary?	Yes	<u>No</u>
New carbon placed in secondary drum?	Yes	<u>No</u>
Polishing carbon drum integrity.	<u>Good</u>	Poor
Polishing carbon drum leaks?	Yes	<u>No</u>
Polishing carbon drum pressure.	<u>NA</u>	PSI
Polishing carbon removed for disposal?	Yes	<u>No</u>
New carbon placed in primary drum?	Yes	<u>No</u>
<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		
<u>Building and Site</u>		
Remediation shed integrity.	<u>Good</u>	Poor
Shed ventilation acceptable?	<u>Yes</u>	No
Repairs/work needed?	Yes	<u>No</u>
Spill evidence?	Yes	<u>No</u>
<u>Electrical and Heating</u>		
Electric controls operational	<u>Yes</u>	No
Heater operational	<u>Yes</u>	No

Miscellaneous - (Continued)		
<u>Access Vaults</u>		
Overall vault integrity.	<u>Good</u>	Poor
Repairs needed to vaults?	Yes	<u>No</u>
<u>Air Compressor</u>		
Compressor operational?	<u>Yes</u>	No
Compressor hours.	<u>3022.4</u>	Hours
Oil level checked?	<u>Yes</u>	No
Oil level changed?	Yes	<u>No</u>
Compressor trap operating?	<u>Yes</u>	No
Regulator operating?	<u>Yes</u>	No
Air lines performing properly?	<u>Yes</u>	No

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

Recovery and Disposal		
<u>Recovery from DNAPL Drum</u>		
Pure DNAPL to disposal drum.	<u>0.6</u>	Gallons
DNAPL/water to disposal drum.	<u>0.6</u>	Gallons
DNAPL/water to oil/water separator.	<u>60</u>	Gallons
<u>Recovery from Oil/Water Separator</u>		
Pure DNAPL to disposal drum.	<u>0.0</u>	Gallons
DNAPL/water to disposal drum.	<u>0.0</u>	Gallons
<u>Product, Carbon, Waste Storage</u>		
DNAPL drums on-site (full and fractional)		Drums
Spent carbon drums		Drums
PPE/Solids drums		Drums
LNAPL drums		Drums
Drums labeled?	<u>Yes</u>	No
Drums palletized?	<u>Yes</u>	No

Notes:

Please see main disposal list

Technician: DH
Date: 10/14/05

Former Gastown Manufactured Gas Plant Site

Table 4-1

Site Visit Checklist/Data Sheet

DNAPL System		
Operational upon arrival?	<u>Yes</u>	No
DNAPL pump pressure (arrival)	<u>20.0</u>	PSI
DNAPL pump pressure (departure)	<u>20.0</u>	PSI
Pneumatic settings adjusted?	<u>Yes</u>	<u>No</u>
Discharge control setting (departure)	<u>↑</u>	Arrow
Refill control setting (departure)	<u>↓</u>	Arrow
<u>DNAPL Drum</u>		
High level shut off operational?	<u>Yes</u>	No
Green warning light operational?	<u>Yes</u>	No
DNAPL drum container integrity.	<u>Good</u>	Poor
Leaks present?	<u>Yes</u>	<u>No</u>
Decant valve integrity.	<u>Good</u>	Poor
<u>DNAPL Pump and Piping</u>		
DNAPL piping integrity.	<u>Good</u>	Poor
DNAPL pump cleaned?	<u>Yes</u>	<u>No</u>
DNAPL top of pump depth.	<u>NA</u>	Feet

LNAPL/Groundwater System		
Operational upon arrival?	<u>Yes</u>	No
LNAPL pump pressure (arrival)	<u>30.0</u>	PSI
LNAPL pump pressure (departure)	<u>30.0</u>	PSI
Bubbler tube operating pressure.	<u>2.0</u>	PSI
Pneumatic settings adjusted?	<u>Yes</u>	<u>No</u>
Discharge control setting (departure)	<u>↑</u>	Arrow
Refill control setting (departure)	<u>↓</u>	Arrow
<u>LNAPL Pump and Piping</u>		
LNAPL piping integrity.	<u>Good</u>	Poor
LNAPL pump cleaned?	<u>Yes</u>	<u>No</u>
LNAPL top of pump depth.	<u>NA</u>	Feet
<u>Oil/Water Separator</u>		
Water high level shut-off operational?	<u>Yes</u>	No
White warning light operational?	<u>Yes</u>	No
Separator vessel integrity.	<u>Good</u>	Poor
Leaks present?	<u>Yes</u>	<u>No</u>
Separator cover and seal integrity.	<u>Good</u>	Poor
Decant valve integrity.	<u>Good</u>	Poor
LNAPL in separator?	<u>Yes</u>	<u>No</u>
Separator needs cleaning?	<u>Yes</u>	<u>No</u>
Separator cleaned?	<u>Yes</u>	<u>No</u>

LNAPL/Groundwater System - (Continued)		
<u>Transfer Pump and Piping</u>		
Pump operational?	<u>Yes</u>	No
Pump integrity.	<u>Good</u>	Poor
Flow meter operational?	<u>Yes</u>	No
Transfer pump flow rate.	<u>2.23</u>	GPM
Totalizer reading (cumulative volume).	<u>359826</u>	Gallons
Water filters changed?	<u>Yes</u>	<u>No</u>
Filter unit pressure (arrival/departure)	<u>14.0/14.0</u>	PSI
<u>Carbon Treatment Drums</u>		
Primary carbon drum integrity.	<u>Good</u>	Poor
Primary carbon drum leaks?	<u>Yes</u>	<u>No</u>
Primary carbon drum pressure.	<u>2.0</u>	PSI
Primary carbon removed for disposal?	<u>Yes</u>	<u>No</u>
Secondary carbon drum rotated to primary?	<u>Yes</u>	<u>No</u>
New carbon placed in primary drum?	<u>Yes</u>	<u>No</u>
Secondary carbon drum integrity.	<u>Good</u>	Poor
Secondary carbon drum leaks?	<u>Yes</u>	<u>No</u>
Secondary carbon drum pressure.	<u>1.0</u>	PSI
Secondary carbon removed for disposal?	<u>Yes</u>	<u>No</u>
Polishing drum rotated to secondary?	<u>Yes</u>	<u>No</u>
New carbon placed in secondary drum?	<u>Yes</u>	<u>No</u>
Polishing carbon drum integrity.	<u>Good</u>	Poor
Polishing carbon drum leaks?	<u>Yes</u>	<u>No</u>
Polishing carbon drum pressure.	<u>NA</u>	PSI
Polishing carbon removed for disposal?	<u>Yes</u>	<u>No</u>
New carbon placed in primary drum?	<u>Yes</u>	<u>No</u>
<u>Discharge Piping</u>		
Pipe integrity in shed.	<u>Good</u>	Poor
Pipe integrity at catch basin.	<u>Good</u>	Poor
Pipe at catch basin clear?	<u>Yes</u>	No
Pipe integrity at creek.	<u>Good</u>	Poor
Pipe at creek clear?	<u>Yes</u>	No

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

Miscellaneous - (Continued)		
<u>Access Vaults</u>		
Overall vault integrity.	<u>Good</u>	Poor
Repairs needed to vaults?	<u>Yes</u>	<u>No</u>
<u>Air Compressor</u>		
Compressor operational?	<u>Yes</u>	No
Compressor hours.	<u>3024.5</u>	Hours
Oil level checked?	<u>Yes</u>	No
Oil level changed?	<u>Yes</u>	<u>No</u>
Compressor trap operating?	<u>Yes</u>	No
Regulator operating?	<u>Yes</u>	No
Air lines performing properly?	<u>Yes</u>	No

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

Recovery and Disposal		
<u>Recovery from DNAPL Drum</u>		
Pure DNAPL to disposal drum.	<u>0.2</u>	Gallons
DNAPL/water to disposal drum.	<u>0.6</u>	Gallons
DNAPL/water to oil/water separator.	<u>50</u>	Gallons
<u>Recovery from Oil/Water Separator</u>		
Pure DNAPL to disposal drum.	<u>0.0</u>	Gallons
DNAPL/water to disposal drum.	<u>0.0</u>	Gallons
<u>Product, Carbon, Waste Storage</u>		
DNAPL drums on-site (full and fractional)		Drums
Spent carbon drums		Drums
PPE/Solids drums		Drums
LNAPL drums		Drums
Drums labeled?	<u>Yes</u>	No
Drums palletized?	<u>Yes</u>	No

Notes:

please see main disposal list

Technician: DH
Date: 10/24/05

Former Gastown Manufactured Gas Plant Site

Table 4-1

Site Visit Checklist/Data Sheet

DNAPL System		
Operational upon arrival?	Yes	<input checked="" type="radio"/> No
DNAPL pump pressure (arrival)	0.0	PSI
DNAPL pump pressure (departure)	20.0	PSI
Pneumatic settings adjusted?	Yes	<input checked="" type="radio"/> No
Discharge control setting (departure)	↑	Arrow
Refill control setting (departure)	↓	Arrow
DNAPL Drum		
High level shut off operational?	<input checked="" type="radio"/> Yes	No
Green warning light operational?	<input checked="" type="radio"/> Yes	No
DNAPL drum container integrity.	Good	Poor
Leaks present?	Yes	<input checked="" type="radio"/> No
Decant valve integrity.	Good	Poor
DNAPL Pump and Piping		
DNAPL piping integrity.	Good	Poor
DNAPL pump cleaned?	Yes	<input checked="" type="radio"/> No
DNAPL top of pump depth.	NA	Feet

LNAPL/Groundwater System		
Operational upon arrival?	<input checked="" type="radio"/> Yes	No
LNAPL pump pressure (arrival)	30.0	PSI
LNAPL pump pressure (departure)	30.0	PSI
Bubbler tube operating pressure.	7.0	PSI
Pneumatic settings adjusted?	Yes	<input checked="" type="radio"/> No
Discharge control setting (departure)	↑	Arrow
Refill control setting (departure)	↓	Arrow
LNAPL Pump and Piping		
LNAPL piping integrity.	Good	Poor
LNAPL pump cleaned?	Yes	<input checked="" type="radio"/> No
LNAPL top of pump depth.	NA	Feet
Oil/Water Separator		
Water high level shut-off operational?	<input checked="" type="radio"/> Yes	No
White warning light operational?	<input checked="" type="radio"/> Yes	No
Separator vessel integrity.	Good	Poor
Leaks present?	Yes	<input checked="" type="radio"/> No
Separator cover and seal integrity.	Good	Poor
Decant valve integrity.	Good	Poor
LNAPL in separator?	Yes	<input checked="" type="radio"/> No
Separator needs cleaning?	Yes	<input checked="" type="radio"/> No
Separator cleaned?	Yes	<input checked="" type="radio"/> No

LNAPL/Groundwater System - (Continued)		
Transfer Pump and Piping		
Pump operational?	<input checked="" type="radio"/> Yes	No
Pump integrity.	Good	Poor
Flow meter operational?	<input checked="" type="radio"/> Yes	No
Transfer pump flow rate.	7.09	GPM
Totalizer reading (cumulative volume).	369740	Gallons
Water filters changed?	Yes	No
Filter unit pressure (arrival/departure)	15.0/15.0	PSI
Carbon Treatment Drums		
Primary carbon drum integrity.	Good	Poor
Primary carbon drum leaks?	Yes	<input checked="" type="radio"/> No
Primary carbon drum pressure.	2.0	PSI
Primary carbon removed for disposal?	Yes	<input checked="" type="radio"/> No
Secondary carbon drum rotated to primary?	Yes	<input checked="" type="radio"/> No
New carbon placed in primary drum?	Yes	<input checked="" type="radio"/> No
Secondary carbon drum integrity.	Good	Poor
Secondary carbon drum leaks?	Yes	<input checked="" type="radio"/> No
Secondary carbon drum pressure.	1.0	PSI
Secondary carbon removed for disposal?	Yes	<input checked="" type="radio"/> No
Polishing drum rotated to secondary?	Yes	<input checked="" type="radio"/> No
New carbon placed in secondary drum?	Yes	<input checked="" type="radio"/> No
Polishing carbon drum integrity.	Good	Poor
Polishing carbon drum leaks?	Yes	<input checked="" type="radio"/> No
Polishing carbon drum pressure.	NA	PSI
Polishing carbon removed for disposal?	Yes	<input checked="" type="radio"/> No
New carbon placed in primary drum?	Yes	<input checked="" type="radio"/> 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	<input checked="" type="radio"/> No
Spill evidence?	Yes	<input checked="" type="radio"/> 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	<input checked="" type="radio"/> No
Air Compressor		
Compressor operational?	<input checked="" type="radio"/> Yes	No
Compressor hours.	3076.4	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	<input checked="" type="radio"/> No
Secondary carbon effluent sampled?	<input checked="" type="radio"/> Yes	No
Compliance event?	<input checked="" type="radio"/> Yes	No
Time sampled.	0900	a.m./p.m.
Product sampled?	Yes	<input checked="" type="radio"/> No

Recovery and Disposal		
Recovery from DNAPL Drum		
Pure DNAPL to disposal drum.	0.4	Gallons
DNAPL/water to disposal drum.	0.6	Gallons
DNAPL/water to oil/water separator.	56.0	Gallons
Recovery from Oil/Water Separator		
Pure DNAPL to disposal drum.	0.0	Gallons
DNAPL/water to disposal drum.	0.0	Gallons
Product Carbon Waste Storage		
DNAPL drums on-site (full and fractional)	1	Drums
Spent carbon drums	0	Drums
PPE/Solids drums	1	Drums
LNAPL drums	0	Drums
Drums labeled?	<input checked="" type="radio"/> Yes	No
Drums palletized?	<input checked="" type="radio"/> Yes	<input checked="" type="radio"/> No

Notes:

See inventory list
for more drums
on site

Technician: D.H.
Date: 10-28-05

Former Gastown Manufactured Gas Plant Site

Table 4-1

Site Visit Checklist/Data Sheet

DNAPL System		
Operational upon arrival?	<u>Yes</u>	No
DNAPL pump pressure (arrival)	<u>20.0</u>	PSI
DNAPL pump pressure (departure)	<u>20.0</u>	PSI
Pneumatic settings adjusted?	<u>Yes</u>	<u>No</u>
Discharge control setting (departure)	<u>↑</u>	Arrow
Refill control setting (departure)	<u>↓</u>	Arrow
<u>DNAPL Drum</u>		
High level shut off operational?	<u>Yes</u>	No
Green warning light operational?	<u>Yes</u>	No
DNAPL drum container integrity.	<u>Good</u>	Poor
Leaks present?	<u>Yes</u>	<u>No</u>
Decant valve integrity.	<u>Good</u>	Poor
<u>DNAPL Pump and Piping</u>		
DNAPL piping integrity.	<u>Good</u>	Poor
DNAPL pump cleaned?	<u>Yes</u>	<u>No</u>
DNAPL top of pump depth.	<u>NA</u>	Feet

LNAPL/Groundwater System		
Operational upon arrival?	<u>Yes</u>	No
LNAPL pump pressure (arrival)	<u>25.0</u>	PSI
LNAPL pump pressure (departure)	<u>25.0</u>	PSI
Bubbler tube operating pressure.	<u>2.0</u>	PSI
Pneumatic settings adjusted?	<u>Yes</u>	<u>No</u>
Discharge control setting (departure)	<u>↑</u>	Arrow
Refill control setting (departure)	<u>↓</u>	Arrow
<u>LNAPL Pump and Piping</u>		
LNAPL piping integrity.	<u>Good</u>	Poor
LNAPL pump cleaned?	<u>Yes</u>	<u>No</u>
LNAPL top of pump depth.	<u>NA</u>	Feet
<u>Oil/Water Separator</u>		
Water high level shut-off operational?	<u>Yes</u>	No
White warning light operational?	<u>Yes</u>	No
Separator vessel integrity.	<u>Good</u>	Poor
Leaks present?	<u>Yes</u>	<u>No</u>
Separator cover and seal integrity.	<u>Good</u>	Poor
Decant valve integrity.	<u>Good</u>	Poor
LNAPL in separator?	<u>Yes</u>	<u>No</u>
Separator needs cleaning?	<u>Yes</u>	<u>No</u>
Separator cleaned?	<u>Yes</u>	<u>No</u>

LNAPL/Groundwater System - (Continued)		
<u>Transfer Pump and Piping</u>		
Pump operational?	<u>Yes</u>	No
Pump integrity.	<u>Good</u>	Poor
Flow meter operational?	<u>Yes</u>	No
Transfer pump flow rate.	<u>7.96</u>	GPM
Totalizer reading (cumulative volume).	<u>376541</u>	Gallons
Water filters changed?	<u>Yes</u>	<u>No</u>
Filter unit pressure (arrival/departure)	<u>9.2/6.0</u>	PSI
<u>Carbon Treatment Drums</u>		
Primary carbon drum integrity.	<u>Good</u>	Poor
Primary carbon drum leaks?	<u>Yes</u>	<u>No</u>
Primary carbon drum pressure.	<u>4.5</u>	PSI
Primary carbon removed for disposal?	<u>Yes</u>	<u>No</u>
Secondary carbon drum rotated to primary?	<u>Yes</u>	<u>No</u>
New carbon placed in primary drum?	<u>Yes</u>	<u>No</u>
Secondary carbon drum integrity.	<u>Good</u>	Poor
Secondary carbon drum leaks?	<u>Yes</u>	<u>No</u>
Secondary carbon drum pressure.	<u>2.0</u>	PSI
Secondary carbon removed for disposal?	<u>Yes</u>	<u>No</u>
Polishing drum rotated to secondary?	<u>Yes</u>	<u>No</u>
New carbon placed in secondary drum?	<u>Yes</u>	<u>No</u>
Polishing carbon drum integrity.	<u>Good</u>	Poor
Polishing carbon drum leaks?	<u>Yes</u>	<u>No</u>
Polishing carbon drum pressure.	<u>NA</u>	PSI
Polishing carbon removed for disposal?	<u>Yes</u>	<u>No</u>
New carbon placed in primary drum?	<u>Yes</u>	<u>No</u>
<u>Discharge Piping</u>		
Pipe integrity in shed.	<u>Good</u>	Poor
Pipe integrity at catch basin.	<u>Good</u>	Poor
Pipe at catch basin clear?	<u>Yes</u>	No
Pipe integrity at creek.	<u>Good</u>	Poor
Pipe at creek clear?	<u>Yes</u>	No

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

Miscellaneous - (Continued)		
<u>Access Vaults</u>		
Overall vault integrity.	<u>Good</u>	Poor
Repairs needed to vaults?	<u>Yes</u>	<u>No</u>
<u>Air Compressor</u>		
Compressor operational?	<u>Yes</u>	No
Compressor hours.	<u>1033.0</u>	Hours
Oil level checked?	<u>Yes</u>	No
Oil level changed?	<u>Yes</u>	<u>No</u>
Compressor trap operating?	<u>Yes</u>	No
Regulator operating?	<u>Yes</u>	No
Air lines performing properly?	<u>Yes</u>	No

Sampling		
Primary carbon influent sample?	<u>Yes</u>	<u>No</u>
Primary carbon effluent sampled?	<u>Yes</u>	<u>No</u>
Secondary carbon effluent sampled?	<u>Yes</u>	<u>No</u>
Compliance event?	<u>Yes</u>	<u>No</u>
Time sampled.	<u>NA</u>	a.m./p.m.
Product sampled?	<u>Yes</u>	<u>No</u>

Recovery and Disposal		
<u>Recovery from DNAPL Drum</u>		
Pure DNAPL to disposal drum.	<u>0.25</u>	Gallons
DNAPL/water to disposal drum.	<u>0.75</u>	Gallons
DNAPL/water to oil/water separator.	<u>45</u>	Gallons
<u>Recovery from Oil/Water Separator</u>		
Pure DNAPL to disposal drum.	<u>0.0</u>	Gallons
DNAPL/water to disposal drum.	<u>0.0</u>	Gallons
<u>Product, Carbon, Waste Storage</u>		
DNAPL drums on-site (full and fractional)	<u>2</u>	Drums
Spent carbon drums	<u>1</u>	Drums
PPE/Solids drums	<u>2</u>	Drums
LNAPL drums	<u>0</u>	Drums
Drums labeled?	<u>Yes</u>	No
Drums palletized?	<u>Yes</u>	No

Notes:

Technician: D.H.

Date: 11-11-05