

Signature: _____

Name: _____

Date: _____

Signature of Responsible Official: I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fines and imprisonment for knowingly violating the law.

or site inspection is complete.

Note: If existing structural BMPs require modification or if additional structural BMPs are necessary, implementation must be completed before the next anticipated storm event to the greatest extent practicable, but not more than twelve (12) weeks after discovery of the deficiency unless otherwise authorized by the Department. Temporary BMPs must be implemented as soon as practicable after the Site Compliance Evaluation

Date of SWPPP modifications: _____

None required

Date of construction or completion of corrective action: _____

April 2012

If so what, and have they been obtained? _____

Are other Department licenses or permits required? Yes No

Reset baffle as per Civil Consultant 2011 plans including installation of weep hole.

Description of planned corrective actions including any temporary BMPs: _____

Location of BMP: _____

Precast concrete channel.

Description of BMP and the deficiency: (Please include the reason for the deficiency) _____

Precast concrete channel baffle has moved out of place.

If a structural BMP is found to be deficient, excluding routine maintenance, this report must be kept with the facility's SWPPP and you must notify the regional stormwater inspector within (14) business days by phone, email, or USPS. If a non-structural BMP is found to be deficient, this form must be kept in the facility's SWPPP.

C. If structural BMP deficiencies are identified please complete the following information:

Quarterly Stormwater Management Facility Inspection Checklist
 Prolerized New England, Portland, Maine
 COMPLETED BY MARK ARBENTI 6/28/12

Inspection for the Period: _____
 (check one)

January-March _____
 April - June July-September _____
 October-December _____

Inspection Item	Satisfactory	
	Yes	No
1. Are metal processing areas swept clean of dirt, debris, and trash on a weekly basis?	<input checked="" type="checkbox"/>	
2. Is Debris and trash disposed of weekly?	<input checked="" type="checkbox"/>	
3. Have leaks/spills from industrial equipment, drums, barrels or containers been observed?		see not
4. Have spills and leaks been absorbed and cleaned ASAP after each event?	<input checked="" type="checkbox"/>	
5. Are the absorbent booms in the concrete settling basin saturated with oil and dirt?	<input checked="" type="checkbox"/>	
6. Is excessive sediment present in concrete settling basin that requires cleaning? If yes, arrange to have it removed.		see note
7. Is there excessive oil or sediment accumulation in the oil-water separators? If yes, arrange to have them cleaned.	<input checked="" type="checkbox"/>	
8. Is there excessive sediment accumulation present in the wet pond forebay? If yes, arrange to have it removed.	<input checked="" type="checkbox"/>	
9. Is catch basin near Process Building loading dock draining freely? Check Urban Filter insert to make sure its not plugged with oil or sediment. Arrange to have replaced if not functioning.	<input checked="" type="checkbox"/>	
10. Is catch basin near facility entrance draining freely? Check Urban Filter insert to make sure its not plugged with oil or sediment. Arrange to have replaced if not functioning.	<input checked="" type="checkbox"/>	
11. Are spill response materials stocked and available on-site in the areas where oil or chemicals may be present? Arrange to have replaced if not functioning.	<input checked="" type="checkbox"/>	
12. Does the bioretention cell have excessive sediment accumulation? If yes, arrange to have it removed.		see not
13. Any areas of erosion observed (check slopes, edges of roadways)? If yes, arrange to have it repaired.		see not

Please add comments as appropriate on following page.

Quarterly Stormwater Management Facility Inspection Checklist
 Prolerized New England, Portland, Maine

Comments:

3. A small leak in center of pressure pipe
 observed. Absorbent material had been applied
 around.


2. Sediment trapped by bag bales above concrete
 swale should be removed.

13. Some erosion observed on side-wall
 of retention basin next to facility
 entrance. Recommend placing some pine
 straw since it is vulnerable area.

Name:

MARK ALBERT

Signature:



Date:

6/28/12

Quarterly Site Compliance Evaluation/Inspection

Name of Qualified Inspector(s)
Completing Evaluation/Inspection:

MARC ABENT Date: 6/28/12
PORTLAND FACILITY Date:

Are industrial materials, residue, or trash on the ground?

Yes No

If yes, state corrective action

SEPAR METAL ON GROUND IN PROCESSING AREA AS ALLOWED BY LICENSE

Date corrective action was completed

Are there any leaks or spills from industrial equipment, drums, barrels, tanks or containers onsite?

Yes No

If yes, state corrective action

MIND LEAK OF OIL ON PROCESSING AREA

Date corrective action was completed

ASSIGNMENT APPLIED

Is there offsite tracking of industrial materials or sediment where vehicles enter or exit the site?

Yes No

If yes, state corrective action

Date corrective action was completed

Is there blowing or whirling of raw, final, or waste materials?

Yes No

If yes, state corrective action

Date corrective action was completed

Are all stormwater BMPs identified in the SWPPP operating correctly? Yes No

If no, state corrective action _____

Date corrective action was completed _____

Are additional BMPs required for potential pollutants or an industrial activity Yes No

If yes document & update SWPPP

If yes, state corrective action _____

Date corrective action was completed _____

Are there signs of erosion in stormwater conveyances or at outfalls? Yes No

If yes, state corrective action Some erosion observed in sidewalk of barefooting basin; place 2" stone to prevent recurrence

Date corrective action was completed _____

Evidence of industrial material, residue, trash or sediment in stormwater conveyance? Yes No

If yes, state corrective action _____

Date corrective action was completed _____

Has industrial activity been added or the site expanded? Yes No

If yes, document in SWPPP & on site map

If yes, state corrective action or additional BMPs required _____

Date corrective action or BMPs implemented _____

Have the locations of any of the potential pollutants or material storage changed? Yes No

If yes, state corrective action or additional BMPs required _____

If yes, document in the SWPPP & on site map _____

Are there any non-stormwater discharges? Yes No

If yes, what are they? AIR CONDITIONER CONDENSATE, LAWN WATERING

Are the non-stormwater discharges authorized under the MSGP? Yes No

If no, have all the outfalls been inspected for unauthorized non-stormwater discharges? Yes No

State corrective actions for all unauthorized non-stormwater discharges. _____

Are any modifications required to be made to the SWPPP or Site Map(s) No modification required SWPPP requires modification Map(s) require modification

All required changes have been made to the Plan Date: _____ Initials: _____
All required changes have been made to the Site Map(s) Date: _____ Initials: _____

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fines and imprisonment for knowingly violating the law.

Authorized Signature: _____ Date: 6/28/12

Quarterly Stormwater Management Facility Inspection Checklist

Prolerized New England, Portland, Maine

January-March _____
 April - June _____
 July-September _____
 October-December _____

Inspection for the Period: _____
 (check one)

Inspection Item	Yes	No		
1. Are metal processing areas swept clean of dirt, debris, and trash on a weekly basis?	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
2. Is Debris and trash disposed of weekly?	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
3. Have leaks/spills from industrial equipment, drums, barrels or containers been observed?	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
4. Have spills and leaks been absorbed and cleaned ASAP after each event?	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
5. Are the absorbent booms in the concrete settling basin saturated with oil and dirt? If yes, arrange to have them replaced.	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
6. Is excessive sediment present in concrete settling basin that requires cleaning? If yes, arrange to have it removed.	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
7. Is there excessive oil or sediment accumulation in the oil-water separators? If yes, arrange to have them cleaned.	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
8. Is there excessive sediment accumulation present in the wet pond forebay? If yes, arrange to have it removed.	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
9. Is catch basin near Process Building loading dock draining freely? Check Urban Filter insert to make sure its not plugged with oil or sediment. Arrange to have replaced if not functioning.	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
10. Is catch basin near facility entrance draining freely? Check Urban Filter insert to make sure its not plugged with oil or sediment. Arrange to have replaced if not functioning.	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
11. Are spill response materials stocked and available on-site in the areas where oil or chemicals may be present? Arrange to have replaced if not functioning.	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
12. Does the bioretention cell have excessive sediment accumulation? If yes, arrange to have it removed.	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
13. Any areas of erosion observed (check slopes, edges of roadways)? If yes, arrange to have it repaired.	<input checked="" type="checkbox"/>	<input type="checkbox"/>		

Please add comments as appropriate on following page.

Comments: (a) CATCH BASIN DRAINING FREELY BUT SEDIMENT

SHOULD BE REMOVED

(b) TWO AREAS OF EROSION NOTED ON SIDEWALK OF BIODEGRADATION
BASIN. THESE SHOULD BE FILLED WITH STONE UNDERLAIN BY FABRIC
OR MATS COVERED WITH EGS. ALSO OBSERVED AREA OF SETTLEMENT
SOFT SOIL NEAR BEHIVE OVERFLOW STRUCTURE. SUSPECT
UNDERLYING FILTER MEDIA OR PIPE BEDDING MAY HAVE
MOVED AND NEED TO BE REPAIRED

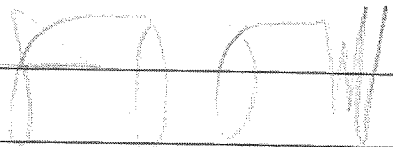
Name:

MARK ARIZENTI

Date:

8/16/12

Signature:



Quarterly Site Compliance Evaluation/Inspection

Name of Qualified Inspector(s)
Completing Evaluation/Inspection:

MARK AZIENTI

Date:

8/16/12

Date:

Are industrial materials, residue, or trash on the ground?

SCRAP METALS ON
CONTAINED PROHIBITED AREA
AS ALLOWED BY PERMIT

Yes

No

Date corrective action was completed _____

Are there any leaks or spills from industrial equipment, drums, barrels, tanks or containers onsite?

Yes

No

If yes, state corrective action _____

Date corrective action was completed _____

Is there offsite tracking of industrial materials or sediment where vehicles enter or exit the site?

Yes

No

If yes, state corrective action _____

Date corrective action was completed _____

Is there blowing or whirling of raw, final, or waste materials?

Yes

No

If yes, state corrective action _____

Date corrective action was completed _____

Are all stormwater BMPs identified in the SWPP operating correctly? Yes No

If no, state corrective action _____

Date corrective action was completed _____

Are additional BMPs required for potential pollutants or an industrial activity Yes No

If yes document & update SWPPP

If yes, state corrective action _____

Date corrective action was completed _____

Are there signs of erosion in stormwater conveyances or at outfalls? Yes No

If yes, state corrective action NOTED IN SIDEWALK OF BIODIVERSITY BASIN. ALSO, SIGNS OF SETTLING IN ONE AREA OF BASIN.

Date corrective action was completed REPAIR REQUIRED FOR BOTH AREAS BY FILLING WITH SODIUM POLYACRYLATE

Evidence of industrial material, residue, trash or sediment in stormwater conveyance? Yes No

If yes, state corrective action _____

Date corrective action was completed _____

Has industrial activity been added or the site expanded? Yes No

If yes, document in SWPPP & on site map

If yes, state corrective action or additional BMPs required _____

Date corrective action or BMPs implemented _____

Have the locations of any of the potential pollutants or material storage changed?

Yes

No

If yes, state corrective action or additional BMPs required _____

If yes, document in the SWPPP & on site map _____

Are there any non-stormwater discharges?

Yes

No

If yes, what are they?

AIR CONDITONER CONDENSATE, LAWN WATERING

Are the non-stormwater discharges authorized under the MSGP?

Yes

No

If no, have all the outfalls been inspected for unauthorized non-stormwater discharges?

Yes

No

State corrective actions for all unauthorized non-stormwater discharges. _____

Are any modifications required to be made to the SWPPP or Site Map(s)

No modification required

SWPPP requires modification

Map(s) require modification

All required changes have been made to the Plan

Date: _____

Initials: _____

All required changes have been made to the Site Map(s)

Date: _____

Initials: _____

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fines and imprisonment for knowingly violating the law.

Authorized Signature: _____

Date: _____

8/24/12

Quarterly Site Compliance Evaluation/Inspection

Name of Qualified Inspector(s) Mark Arienti Date: 11/8/12
Completing Evaluation/Inspection: _____ Date: _____

Are industrial materials, residue, or trash on the ground? Yes No

If yes, state corrective action Scrap metal on concrete processing pad, which is contained and flows to treatment system.

Date corrective action was completed _____

Are there any leaks or spills from industrial equipment, drums, barrels, tanks or containers onsite? Yes No

If yes, state corrective action _____

Date corrective action was completed _____

Is there offsite tracking of industrial materials or sediment where vehicles enter or exit the site? Yes No

If yes, state corrective action _____

Date corrective action was completed _____

Is there blowing or whirling of raw, final, or waste materials? Yes No

If yes, state corrective action _____

Date corrective action was completed _____

Are all stormwater BMPs identified in the SWPP operating correctly? **Yes** **No**

If no, state corrective action _____
Date corrective action was completed _____

Are additional BMPs required for potential pollutants or an industrial activity **Yes** **No**
If yes document & update SWPPP

If yes, state corrective action _____
Date corrective action was completed _____

Are there signs of erosion in stormwater conveyances or at outfalls? **Yes** **No**

If yes, state corrective action _____
One small erosion rill with exposed fabric was observed in sidewalk of the bioretention cell and slight subsidence of the floor of the bioretention cell near the beehive overflow basin indicates possible short-circuiting of flow. This should be monitored closely.
Date corrective action was completed _____
Evidence of industrial material, residue, trash or sediment in stormwater conveyance? **Yes** **No**

If yes, state corrective action _____
Date corrective action was completed _____

Has industrial activity been added or the site expanded? **Yes** **No**
If yes, document in SWPPP & on site map

If yes, state corrective action or additional BMPs required _____

Date corrective action or BMPs implemented _____

Have the locations of any of the potential pollutants or material storage changed? Yes No

If yes, state corrective action or additional BMPs required _____

If yes, document in the SWPPP & on site map _____

Are there any non-stormwater discharges? Yes No

If yes, what are they? None observed, but during summer there is some lawn watering and air conditioner condensate, both allowed under the MSGP.

Are the non-stormwater discharges authorized under the MSGP? Yes No

If no, have all the outfalls been inspected for unauthorized non-stormwater discharges? Yes No

State corrective actions for all unauthorized non-stormwater discharges. _____ X

Are any modifications required to be made to the SWPPP or Site Map(s) No modification required
 SWPPP requires modification
 Map(s) require modification

All required changes have been made to the Plan Date: _____ Initials: _____
All required changes have been made to the Site Map(s) Date: _____ Initials: _____

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fines and imprisonment for knowingly violating the law.

Authorized Signature: _____ Date: 11/22/12



Maine's Multi-Sector General Permit Corrective Action Report (C.A.R)

A. General Information

Facility Name: Protected New England, Portland Maine		Permit Number: Not available.	
Contact Person: Keri Fitzpatrick Regional Environmental Manager		Phone: (781) 873-1647 Ext: Email: kfitzpatrick@schm.com	
C.A.R Date: November 22, 2012		Site Inspection or Site Compliance Evaluation Date: 11/8/22	

If a non-structural BMP is found to be deficient, this form must be kept in the facility's SWPPP.

Is there a structural or non-structural BMP deficiency?	<input type="checkbox"/> Structural	<input type="checkbox"/> Non-Structural	<input type="checkbox"/> Both
---	-------------------------------------	---	-------------------------------

If non-structural BMP deficiencies are identified please use the table below (See Section C for Structural):

Non-structural BMP	Location	Deficiency	Corrective Actions (Start and Stop Dates)	SWPPP Modifications
Erosion Control.	Retention basin.	Erosion in limited area of basin slope.	patch eroded area with soil matching existing material and compact as necessary.	None required.

Signature: _____

Name: _____

Date: _____

Signature of Responsible Official: I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fines and imprisonment for knowingly violating the law.

or site inspection is complete.

Note: If existing structural BMPs require modification or if additional structural BMPs are necessary, implementation must be completed before the next anticipated storm event to the greatest extent practicable, but not more than twelve (12) weeks after discovery of the deficiency unless otherwise authorized by the Department. Temporary BMPs must be implemented as soon as practicable after the Site Compliance Evaluation

Date of SWPPP modifications: _____

Date of construction or completion of corrective action: _____

If so what, and have they been obtained? _____

Are other Department licenses or permits required? Yes No

Description of planned corrective actions including any temporary BMPs: _____

Location of BMP: _____

Description of BMP and the deficiency: (Please include the reason for the deficiency) _____

If a structural BMP is found to be deficient, excluding routine maintenance, this report must be kept with the facility's SWPPP and you must notify the regional stormwater inspector within (14) business days by phone, email, or USPS. If a non-structural BMP is found to be deficient, this form must be kept in the facility's SWPPP.

C. If structural BMP deficiencies are identified please complete the following information:

ATTACHMENT B
LABORATORY REPORT



May 7, 2012

Ms. Erin Pike
Acadia Environmental Technology
48 Free Street
Portland, ME 04101

RE: Katahdin Lab Number: SF2382
Project ID: 059-009
Project Manager: Ms. Jennifer Obrin
Sample Receipt Date(s): April 27, 2012

Dear Ms. Pike:

Please find enclosed the following information:

- * Report of Analysis (Analytical and/or Field)
- * Quality Control Data Summary
- * Chain of Custody (COC)
- * Login Report

A copy of the Chain of Custody is included in the paginated report. The original COC is attached as an addendum to this report.

Should you have any questions or comments concerning this Report of Analysis, please do not hesitate to contact the project manager listed above. The results contained in this report relate only to the submitted samples. This cover letter is an integral part of the ROA.

We certify that the test results provided in this report meet all the requirements of the NELAC standards unless otherwise noted in an attached technical narrative or in the Report of Analysis.

We appreciate your continued use of our laboratory and look forward to working with you in the future. The following signature indicates technical review and acceptance of the data.

Please go to <http://www.katahdinlab.com/cert.html> for copies of Katahdin Analytical Services Inc. current certificates and analyte lists.

Sincerely,
KATAHDIN ANALYTICAL SERVICES



Authorized Signature

05/07/2012

Date

KATAHDIN ANALYTICAL SERVICES - ORGANIC DATA QUALIFIERS

The sampled date indicated on the attached Report(s) of Analysis (ROA) is the date for which a grab sample was collected or the date for which a composite sample was completed. Beginning and start times for composite samples can be found on the Chain-of-Custody.

U Indicates the compound was analyzed for but not detected above the specified level. This level may be the Limit of Quantitation (LOQ)(previously called Practical Quantitation Level (PQL)), the Limit of Detection (LOD) or Method Detection Limit (MDL) as required by the client.

Note: All results reported as "U" MDL have a 50% rate for false negatives compared to those results reported as "U" PQL/LOQ or "U" LOD, where the rate of false negatives is <1%.

* Compound recovery outside of quality control limits.

D Indicates the result was obtained from analysis of a diluted sample. Surrogate recoveries may not be calculable.

E Estimated value. This flag identifies compounds whose concentrations exceed the upper level of the calibration range of the instrument for that specific analysis.

J Estimated value. The analyte was detected in the sample at a concentration less than the laboratory Limit of Quantitation (LOQ)(previously called Practical Quantitation Limit (PQL)), but above the Method Detection Limit (MDL).

or

J Used for Pesticides, PCBs, Herbicides, Formaldehyde, Explosives and Method 504.1 analytes when there is a greater than 40% difference for detected concentrations between the two GC columns.

B Indicates the analyte was detected in the laboratory method blank analyzed concurrently with the sample.

N Presumptive evidence of a compound based on a mass spectral library search.

A Indicates that a tentatively identified compound is a suspected aldol-condensation product.

P Used for Pesticide/Aroclor analyte when there is a greater than 25% difference for detected concentrations between the two GC columns. (for CLP methods only).

KATAHDIN ANALYTICAL SERVICES – INORGANIC DATA QUALIFIERS
(Refer to BOD Qualifiers Page for BOD footnotes)

The sampled date indicated on the attached Report(s) of Analysis (ROA) is the date for which a grab sample was collected or the date for which a composite sample was completed. Beginning and start times for composite samples can be found on the Chain-of-Custody.

- U Indicates the compound was analyzed for but not detected above the specified level. This level may be the Limit of Quantitation (LOQ)(previously called Practical Quantitation Level (PQL)), the Limit of Detection (LOD) or Method Detection Limit (MDL) as required by the client.
- Note: All results reported as "U" MDL have a 50% rate for false negatives compared to those results reported as "U" PQL/LOQ or "U" LOD, where the rate of false negatives is <1%.
- E Estimated value. This flag identifies compounds whose concentrations exceed the upper level of the calibration range of the instrument for that specific analysis.
- J Estimated value. The analyte was detected in the sample at a concentration less than the laboratory Limit of Quantitation (LOQ)(previously called Practical Quantitation Limit (PQL)), but above the Method Detection Limit (MDL).
- I-7 The laboratory's Practical Quantitation Level could not be achieved for this parameter due to sample composition, matrix effects, sample volume, or quantity used for analysis.
- A-4 Please refer to cover letter or narrative for further information.
- MCL Maximum Contaminant Level
- NL No limit
- NFL No Free Liquid Present
- FLP Free Liquid Present
- NOD No Odor Detected
- TON Threshold Odor Number
- H_ Please note that the regulatory holding time for _____ is "analyze immediately". Ideally, this analysis must be performed in the field at the time of sample collection. _____ for this sample was not performed at the time of sample collection. The analysis was performed as soon as possible after receipt by the laboratory.
- H1 pH
H2 DO
H3 sulfite
H4 residual chlorine
- T1 The client did not provide the full volume of at least one liter for analysis of TSS. Therefore, the PQL of 2.5 mg/L could not be achieved.
- T2 The client provided the required volume of at least one liter for analysis of TSS, but the laboratory could not filter the full one liter volume due to the sample matrix. Therefore, the PQL of 2.5 mg/L could not be achieved.

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Acadia Environmental
Project: 059-009
PO No:
Sample Date: 04/27/12
Received Date: 04/27/12
Extraction Date: 04/30/12
Analysis Date: 02-MAY-2012 21:12
Report Date: 05/04/2012
Matrix: WATER
% Solids: NA

Lab ID: SF2382-1
Client ID: SW-1
SDG: SF2382
Extracted by: JH
Extraction Method: SW846 3510
Analyst: AC
Analysis Method: SW846 M8015B
Lab Prep Batch: WG107578
Units: ug/L

Compound	Flags	Results	DF	PQL	Adj.PQL
Extractable TPH C9-C36		2200	1.0	75	72
O-Terphenyl		61%			

Page 01 of 01 AFE2019.d

Report of Analytical Results

Client: Erin Pike
Acadia Environmental Technology
48 Free Street
Portland, ME 04101

Lab Sample ID: SF2382-1
Report Date: 03-MAY-12
Client PO:
Project: 059-009
SDG: SF2382

Sample Description

SW-1

Matrix Date Sampled Date Received
AQ 27-APR-12 27-APR-12

Parameter	Result	Adj PQL	Adj MDL	Anal. Method	QC Batch	Analysis Date	Prep. Method	Prep. Date	Analyst	Footnotes
Solids-Nonfilterable Residue	8.4 mg/L	4.0	1.22	SM 2540D	WG107601	01-MAY-12 13:12:00	SM 2540D	30-APR-12	CBT	

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Acadia Environmenta
Project: 059-009
PO No:
Sample Date: 04/27/12
Received Date: 04/27/12
Extraction Date: 04/30/12
Analysis Date: 02-MAY-2012 21:50
Report Date: 05/04/2012
Matrix: WATER
% Solids: NA

Lab ID: SF2382-2
Client ID: SW-2
SDG: SF2382
Extracted by: JH
Extraction Method: SW846 3510
Analyst: AC
Analysis Method: SW846 M8015B
Lab Prep Batch: WG107578
Units: ug/L

Compound	Flags	Results	DF	PQL	Adj.PQL
Extractable TPH C9-C36		260	1.0	75	74
O-Terphenyl		71%			

Page 01 of 01 AFE2020.d

Report of Analytical Results

Client: Erin Pike
Acadia Environmental Technology
48 Free Street
Portland, ME 04101

Lab Sample ID: SF2382-2
Report Date: 03-MAY-12
Client PO:
Project: 059-009
SDG: SF2382

Sample Description

SW-2

Matrix Date Sampled Date Received
AQ 27-APR-12 27-APR-12

Parameter	Result	Adj PQL	Adj MDL	Anal. Method	QC Batch	Analysis Date	Prep. Method	Prep. Date	Analyst	Footnotes
Solids-Nonfilterable Residue	31. mg/L	4.0	1.22	SM 2540D	WG107601	01-MAY-12 13:13:00	SM 2540D	30-APR-12	CBT	

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Acadia Environmenta
Project: 059-009
PO No:
Sample Date: 04/27/12
Received Date: 04/27/12
Extraction Date: 04/30/12
Analysis Date: 02-MAY-2012 22:27
Report Date: 05/04/2012
Matrix: WATER
% Solids: NA

Lab ID: SF2382-3
Client ID: SW-3
SDG: SF2382
Extracted by: JH
Extraction Method: SW846 3510
Analyst: AC
Analysis Method: SW846 M8015B
Lab Prep Batch: WG107578
Units: ug/L

Compound	Flags	Results	DF	PQL	Adj.PQL
Extractable TPH C9-C36		400	1.0	75	75
O-Terphenyl		74%			

Report of Analytical Results

Client: Erin Pike
Acadia Environmental Technology
48 Free Street
Portland, ME 04101

Lab Sample ID: SF2382-3
Report Date: 03-MAY-12
Client PO:
Project: 059-009
SDG: SF2382

Sample Description
SW-3

Matrix AQ Date Sampled 27-APR-12 Date Received 27-APR-12

Parameter	Result	Adj PQL	Adj MDL	Anal. Method	QC Batch	Analysis Date	Prep. Method	Prep. Date	Analyst	Footnotes
Solids-Nonfilterable Residue	U4.0 mg/L	4.0	1.22	SM 2540D	WG107601	01-MAY-12 13:14:00	SM 2540D	30-APR-12	CBT	

LCS Recovery Report

Client:
Lab ID: WG128278-1
Client ID: LCS
Project:
SDG: SG5622
LCS File ID: C2272.D

Sample Date:
Received Date:
Extract Date: 06-AUG-13
Extracted By: REC
Extraction Method: SW846 5030
Lab Prep Batch: WG128278

Analysis Date: 06-AUG-13
Analyst: REC
Analysis Method: SW846 8260B
Matrix: AQ
% Solids: NA
Report Date: 07-AUG-13

Compound	Recovery (%)	Conc Added	Conc Recovered	Conc Units	Limits
Dichlorodifluoromethane	123.	50.0	61.7	ug/L	29-164
Chloromethane	104.	50.0	51.9	ug/L	59-123
Vinyl Chloride	111.	50.0	55.4	ug/L	64-131
Bromomethane	120.	50.0	60.0	ug/L	57-135
Chloroethane	137.	50.0	68.6	ug/L	53-157
Trichlorofluoromethane	115.	50.0	57.3	ug/L	70-149
1,1-Dichloroethene	111.	50.0	55.4	ug/L	88-127
Methylene Chloride	103.	50.0	51.3	ug/L	72-129
trans-1,2-Dichloroethene	99.4	50.0	49.7	ug/L	78-125
1,1-Dichloroethane	102.	50.0	51.2	ug/L	76-130
cis-1,2-Dichloroethene	101.	50.0	50.5	ug/L	85-123
1,2-Dichloroethylene (Total)	100.	100.	100.	ug/L	84-121
2,2-Dichloropropane	112.	50.0	55.9	ug/L	70-132
Chloroform	104.	50.0	52.1	ug/L	78-128
Bromochloromethane	107.	50.0	53.3	ug/L	85-117
1,1,1-Trichloroethane	106.	50.0	53.2	ug/L	77-129
1,2-Dichloroethane	102.	50.0	51.2	ug/L	81-125
1,1-Dichloropropene	113.	50.0	56.7	ug/L	87-118
Carbon Tetrachloride	111.	50.0	55.7	ug/L	87-126
Benzene	100.	50.0	50.2	ug/L	86-116
1,2-Dichloropropane	99.0	50.0	49.5	ug/L	84-118
Trichloroethene	101.	50.0	50.7	ug/L	79-121
Dibromomethane	96.8	50.0	48.4	ug/L	85-117
Bromodichloromethane	102.	50.0	51.1	ug/L	85-122
cis-1,3-Dichloropropene	104.	50.0	52.2	ug/L	83-119
Toluene	102.	50.0	50.8	ug/L	84-118
trans-1,3-Dichloropropene	113.	50.0	56.7	ug/L	85-135
1,1,2-Trichloroethane	101.	50.0	50.7	ug/L	84-115
1,3-Dichloropropane	100.	50.0	50.1	ug/L	80-119
Dibromochloromethane	106.	50.0	53.0	ug/L	85-119
Tetrachloroethene	99.6	50.0	49.8	ug/L	47-155
1,2-Dibromoethane	98.4	50.0	49.2	ug/L	84-116
Chlorobenzene	106.	50.0	52.9	ug/L	89-113
1,1,1,2-Tetrachloroethane	105.	50.0	52.4	ug/L	88-118
Ethylbenzene	97.8	50.0	48.9	ug/L	88-113

LCS Recovery Report

Client:	Sample Date:	Analysis Date: 06-AUG-13
Lab ID: WG128278-1	Received Date:	Analyst: REC
Client ID: LCS	Extract Date: 06-AUG-13	Analysis Method: SW846 8260B
Project:	Extracted By: REC	Matrix: AQ
SDG: SG5622	Extraction Method: SW846 5030	% Solids: NA
LCS File ID: C2272.D	Lab Prep Batch: WG128278	Report Date: 07-AUG-13

Compound	Recovery (%)	Conc Added	Conc Recovered	Conc Units	Limits
Bromoform	107.	50.0	53.5	ug/L	86-117
Styrene	104.	50.0	52.2	ug/L	88-117
1,1,2,2-Tetrachloroethane	88.2	50.0	44.1	ug/L	79-121
1,2,3-Trichloropropane	88.8	50.0	44.4	ug/L	77-120
Isopropylbenzene	107.	50.0	53.7	ug/L	96-136
Bromobenzene	95.8	50.0	47.9	ug/L	84-113
2-Chlorotoluene	100.	50.0	50.0	ug/L	81-120
N-Propylbenzene	107.	50.0	53.6	ug/L	83-121
4-Chlorotoluene	105.	50.0	52.4	ug/L	81-122
1,3,5-Trimethylbenzene	94.4	50.0	47.2	ug/L	80-123
tert-Butylbenzene	106.	50.0	53.0	ug/L	84-121
1,2,4-Trichlorobenzene	92.2	50.0	46.1	ug/L	76-126
sec-Butylbenzene	107.	50.0	53.6	ug/L	82-122
1,3-Dichlorobenzene	104.	50.0	51.9	ug/L	86-110
P-Isopropyltoluene	108.	50.0	54.1	ug/L	88-121
1,4-Dichlorobenzene	94.8	50.0	47.4	ug/L	86-111
1,2-Dichlorobenzene	103.	50.0	51.5	ug/L	86-112
N-Butylbenzene	97.0	50.0	48.5	ug/L	78-121
1,2-Dibromo-3-Chloropropane	90.8	50.0	45.4	ug/L	67-124
1,2,4-Trimethylbenzene	97.6	50.0	48.8	ug/L	83-118
Naphthalene	62.2	50.0	31.1	ug/L	62-126
Hexachlorobutadiene	85.0	50.0	42.5	ug/L	73-113
1,2,3-Trichlorobenzene	* 60.4	50.0	30.2	ug/L	70-122
Methyl tert-butyl Ether	103.	100.	103.	ug/L	81-125
Acetone	83.4	50.0	41.7	ug/L	62-172
2-Butanone	88.6	50.0	44.3	ug/L	71-132
4-Methyl-2-Pentanone	* 80.8	50.0	40.4	ug/L	83-122
2-Hexanone	* 72.4	50.0	36.2	ug/L	80-124
m+p-Xylenes	106.	100.	106.	ug/L	88-116
o-Xylene	110.	50.0	55.1	ug/L	90-116
Xylenes (Total)	107.	150.	160.	ug/L	89-116
1,3,5-Trichlorobenzene	88.8	50.0	44.4	ug/L	77-120
Vinyl Acetate	106.	50.0	53.0	ug/L	56-129
Carbon Disulfide	95.6	50.0	47.8	ug/L	71-129
Diethyl Ether	93.6	50.0	46.8	ug/L	78-124

LCS Recovery Report

Client:
Lab ID: WG128278-1
Client ID: LCS
Project:
SDG: SG5622
LCS File ID: C2272.D

Sample Date:
Received Date:
Extract Date: 06-AUG-13
Extracted By: REC
Extraction Method: SW846 5030
Lab Prep Batch: WG128278

Analysis Date: 06-AUG-13
Analyst: REC
Analysis Method: SW846 8260B
Matrix: AQ
% Solids: NA
Report Date: 07-AUG-13

Compound	Recovery (%)	Conc Added	Conc Recovered	Conc Units	Limits
Tetrahydrofuran	90.8	50.0	45.4	ug/L	74-123
Tertiary-Amyl Methyl Ether	98.8	50.0	49.4	ug/L	80-121
Ethyl Tertiary-Butyl Ether	98.4	50.0	49.2	ug/L	85-119
Di-Isopropyl Ether	96.0	50.0	48.0	ug/L	81-123
Tertiary-butyl Alcohol	87.2	250.	218.	ug/L	11-151
Dibromofluoromethane	93.9				68-128
1,2-Dichloroethane-d4	93.4				67-135
Toluene-d8	92.6				65-128
P-Bromofluorobenzene	96.3				56-133

Report of Analytical Results

Client: Acadia Environmental Techno
Lab ID: SG5622-1
Client ID: MW-1
Project: 059-009
SDG: SG5622
Lab File ID: G9172.D

Sample Date: 01-AUG-13
Received Date: 02-AUG-13
Extract Date: 06-AUG-13
Extracted By: JH
Extraction Method: SW846 3510
Lab Prep Batch: WG128269

Analysis Date: 08-AUG-13
Analyst: JCG
Analysis Method: SW846 M8270C
Matrix: AQ
% Solids: NA
Report Date: 15-AUG-13

Compound	Qualifier	Result	Units	Dilution	PQL	ADJ PQL
Naphthalene	U	0.19	ug/L	1	.2	0.19
2-Methylnaphthalene	U	0.19	ug/L	1	.2	0.19
Acenaphthylene	U	0.19	ug/L	1	.2	0.19
Acenaphthene	U	0.19	ug/L	1	.2	0.19
Fluorene	U	0.19	ug/L	1	.2	0.19
Phenanthrene	U	0.19	ug/L	1	.2	0.19
Anthracene	U	0.19	ug/L	1	.2	0.19
Fluoranthene	U	0.19	ug/L	1	.2	0.19
Pyrene	U	0.19	ug/L	1	.2	0.19
Benzo(a)anthracene	U	0.19	ug/L	1	.2	0.19
Chrysene	U	0.19	ug/L	1	.2	0.19
Benzo(b)fluoranthene	U	0.19	ug/L	1	.2	0.19
Benzo(k)fluoranthene	U	0.19	ug/L	1	.2	0.19
Benzo(a)pyrene	U	0.19	ug/L	1	.2	0.19
Indeno(1,2,3-cd)pyrene	U	0.19	ug/L	1	.2	0.19
Dibenzo(a,h)anthracene	U	0.19	ug/L	1	.2	0.19
Benzo(g,h,i)perylene	U	0.19	ug/L	1	.2	0.19
Pentachlorophenol	U	0.95	ug/L	1	1	0.95
2-Methylnaphthalene-D10		73.2	%			
Fluorene-D10		73.4	%			
Pyrene-D10		92.5	%			
2,4-Dibromophenol		70.8	%			

Report of Analytical Results

Client: Acadia Environmental Techno
Lab ID: SG5622-2
Client ID: MW-2
Project: 059-009
SDG: SG5622
Lab File ID: G9173.D

Sample Date: 01-AUG-13
Received Date: 02-AUG-13
Extract Date: 06-AUG-13
Extracted By: JH
Extraction Method: SW846 3510
Lab Prep Batch: WG128269

Analysis Date: 08-AUG-13
Analyst: JCG
Analysis Method: SW846 M8270C
Matrix: AQ
% Solids: NA
Report Date: 15-AUG-13

Compound	Qualifier	Result	Units	Dilution	PQL	ADJ PQL
Naphthalene	U	0.19	ug/L	1	.2	0.19
2-Methylnaphthalene	U	0.19	ug/L	1	.2	0.19
Acenaphthylene	U	0.19	ug/L	1	.2	0.19
Acenaphthene	U	0.19	ug/L	1	.2	0.19
Fluorene	U	0.19	ug/L	1	.2	0.19
Phenanthrene	U	0.19	ug/L	1	.2	0.19
Anthracene	U	0.19	ug/L	1	.2	0.19
Fluoranthene	U	0.19	ug/L	1	.2	0.19
Pyrene	U	0.19	ug/L	1	.2	0.19
Benzo(a)anthracene	U	0.19	ug/L	1	.2	0.19
Chrysene	U	0.19	ug/L	1	.2	0.19
Benzo(b)Fluoranthene	U	0.19	ug/L	1	.2	0.19
Benzo(k)fluoranthene	U	0.19	ug/L	1	.2	0.19
Benzo(a)pyrene	U	0.19	ug/L	1	.2	0.19
Indeno(1,2,3-cd)pyrene	U	0.19	ug/L	1	.2	0.19
Dibenzo(a,h)anthracene	U	0.19	ug/L	1	.2	0.19
Benzo(g,h,i)perylene	U	0.19	ug/L	1	.2	0.19
Pentachlorophenol	U	0.95	ug/L	1	1	0.95
2-Methylnaphthalene-D10		88.2	%			
Fluorene-D10		85.0	%			
Pyrene-D10		83.0	%			
2,4-Dibromophenol		26.9	%			

Report of Analytical Results

Client: Acadia Environmental Techno
Lab ID: SG5622-3
Client ID: MW-3
Project: 059-009
SDG: SG5622
Lab File ID: G9174.D

Sample Date: 02-AUG-13
Received Date: 02-AUG-13
Extract Date: 06-AUG-13
Extracted By: JH
Extraction Method: SW846 3510
Lab Prep Batch: WG128269

Analysis Date: 08-AUG-13
Analyst: JCG
Analysis Method: SW846 M8270C
Matrix: AQ
% Solids: NA
Report Date: 15-AUG-13

Compound	Qualifier	Result	Units	Dilution	PQL	ADJ PQL
Naphthalene	U	0.20	ug/L	1	.2	0.20
2-Methylnaphthalene	U	0.20	ug/L	1	.2	0.20
Acenaphthylene	U	0.20	ug/L	1	.2	0.20
Acenaphthene	U	0.20	ug/L	1	.2	0.20
Fluorene	U	0.20	ug/L	1	.2	0.20
Phenanthrene	U	0.20	ug/L	1	.2	0.20
Anthracene	U	0.20	ug/L	1	.2	0.20
Fluoranthene	U	0.20	ug/L	1	.2	0.20
Pyrene	U	0.20	ug/L	1	.2	0.20
Benzo(a)anthracene	U	0.20	ug/L	1	.2	0.20
Chrysene	U	0.20	ug/L	1	.2	0.20
Benzo(b)Fluoranthene	U	0.20	ug/L	1	.2	0.20
Benzo(k)fluoranthene	U	0.20	ug/L	1	.2	0.20
Benzo(a)pyrene	U	0.20	ug/L	1	.2	0.20
Indeno(1,2,3-cd)pyrene	U	0.20	ug/L	1	.2	0.20
Dibenzo(a,h)anthracene	U	0.20	ug/L	1	.2	0.20
Benzo(g,h,i)perylene	U	0.20	ug/L	1	.2	0.20
Pentachlorophenol	U	1.0	ug/L	1	1	1.0
2-Methylnaphthalene-D10		72.3	%			
Fluorene-D10		67.9	%			
Pyrene-D10		74.2	%			
2,4-Dibromophenol		73.9	%			

Report of Analytical Results

Client: Acadia Environmental Techno
Lab ID: SG5622-4
Client ID: QA/QC
Project: 059-009
SDG: SG5622
Lab File ID: G9175.D

Sample Date: 01-AUG-13
Received Date: 02-AUG-13
Extract Date: 06-AUG-13
Extracted By: JH
Extraction Method: SW846 3510
Lab Prep Batch: WG128269

Analysis Date: 08-AUG-13
Analyst: JCG
Analysis Method: SW846 M8270C
Matrix: AQ
% Solids: NA
Report Date: 15-AUG-13

Compound	Qualifier	Result	Units	Dilution	PQL	ADJ PQL
Naphthalene	U	0.19	ug/L	1	.2	0.19
2-Methylnaphthalene	U	0.19	ug/L	1	.2	0.19
Acenaphthylene	U	0.19	ug/L	1	.2	0.19
Acenaphthene	U	0.19	ug/L	1	.2	0.19
Fluorene	U	0.19	ug/L	1	.2	0.19
Phenanthrene	U	0.19	ug/L	1	.2	0.19
Anthracene	U	0.19	ug/L	1	.2	0.19
Fluoranthene	U	0.19	ug/L	1	.2	0.19
Pyrene	U	0.19	ug/L	1	.2	0.19
Benzo(a)anthracene	U	0.19	ug/L	1	.2	0.19
Chrysene	U	0.19	ug/L	1	.2	0.19
Benzo(b)fluoranthene	U	0.19	ug/L	1	.2	0.19
Benzo(k)fluoranthene	U	0.19	ug/L	1	.2	0.19
Benzo(a)pyrene	U	0.19	ug/L	1	.2	0.19
Indeno(1,2,3-cd)pyrene	U	0.19	ug/L	1	.2	0.19
Dibenzo(a,h)anthracene	U	0.19	ug/L	1	.2	0.19
Benzo(g,h,i)perylene	U	0.19	ug/L	1	.2	0.19
Pentachlorophenol	U	0.95	ug/L	1	1	0.95
2-Methylnaphthalene-D10		61.4	%			
Fluorene-D10		73.3	%			
Pyrene-D10		68.4	%			
2,4-Dibromophenol		11.6	%			

Method Blank Summary

Lab Name : Katahdin Analytical Services
Project : 059-009
Lab File ID : G9171.D
Instrument ID : GCMS-G
Matrix : AQ

SDG : SG5622
Lab Sample ID : WG128269-1
Date Extracted : 06-AUG-13
Date Analyzed : 08-AUG-13
Time Analyzed : 17:16

This Method Blank applies to the following samples, LCS, MS and MSD:

Client Sample ID	Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed
Laboratory Control S	WG128269-2	G9154.D	08/07/13	21:12
Laboratory Control S	WG128269-3	G9155.D	08/07/13	21:55
MW-1	SG5622-1	G9172.D	08/08/13	17:59
MW-2	SG5622-2	G9173.D	08/08/13	18:42
MW-3	SG5622-3	G9174.D	08/08/13	19:25
QA/QC	SG5622-4	G9175.D	08/08/13	20:08

Report of Analytical Results

Client:
Lab ID: WG128269-1
Client ID: Method Blank Sample
Project:
SDG: SG5622
Lab File ID: G9171.D

Sample Date:
Received Date:
Extract Date: 06-AUG-13
Extracted By: JH
Extraction Method: SW846 3510
Lab Prep Batch: WG128269

Analysis Date: 08-AUG-13
Analyst: JCG
Analysis Method: SW846 M8270C
Matrix: AQ
% Solids: NA
Report Date: 15-AUG-13

Compound	Qualifier	Result	Units	Dilution	PQL	ADJ PQL
Naphthalene	U	0.20	ug/L	1	.2	0.20
2-Methylnaphthalene	U	0.20	ug/L	1	.2	0.20
Acenaphthylene	U	0.20	ug/L	1	.2	0.20
Acenaphthene	U	0.20	ug/L	1	.2	0.20
Fluorene	U	0.20	ug/L	1	.2	0.20
Phenanthrene	U	0.20	ug/L	1	.2	0.20
Anthracene	U	0.20	ug/L	1	.2	0.20
Fluoranthene		1.4	ug/L	1	.2	0.20
Pyrene		1.2	ug/L	1	.2	0.20
Benzo(a)anthracene		0.31	ug/L	1	.2	0.20
Chrysene		0.33	ug/L	1	.2	0.20
Benzo(b)fluoranthene		0.27	ug/L	1	.2	0.20
Benzo(k)fluoranthene		0.21	ug/L	1	.2	0.20
Benzo(a)pyrene	U	0.20	ug/L	1	.2	0.20
Indeno(1,2,3-cd)pyrene	U	0.20	ug/L	1	.2	0.20
Dibenzo(a,h)anthracene	U	0.20	ug/L	1	.2	0.20
Benzo(g,h,i)perylene	U	0.20	ug/L	1	.2	0.20
Pentachlorophenol	U	1.0	ug/L	1	1	1.0
2-Methylnaphthalene-D10		73.8	%			
Fluorene-D10		71.0	%			
Pyrene-D10		98.9	%			
2,4-Dibromophenol		76.4	%			

LCS/LCSD Recovery Report

LCS ID: WG128269-2
LCSD ID: WG128269-3
Project:
SDG: SG5622
Report Date: 15-AUG-13
LCS File ID: G9154.D

Received Date:
Extract Date: 06-AUG-13
Extracted By: JH
Extraction Method: SW846 3510
Lab Prep Batch: WG128269
LCSD File ID: G9155.D

Analysis Date: 07-AUG-13
Analyst: JCG
Analysis Method: SW846 M8270C
Matrix: AQ
% Solids: NA

Compound	Spike Amt	LCS Conc	LCS Rec (%)	LCSD Conc	LCSD Rec (%)	Conc Units	RPD (%)	RPD Limit	Limits
Naphthalene	2.00	1.66	83.0	1.80	90.0*	ug/L	8	30	46-84
2-Methylnaphthalene	2.00	1.96	98.0	2.18	109.	ug/L	11	30	51-114
Acenaphthylene	2.00	1.55	77.5	1.65	82.5	ug/L	6	30	55-105
Acenaphthene	2.00	1.57	78.5	1.64	82.0	ug/L	4	30	53-90
Fluorene	2.00	1.80	90.0	1.84	92.0	ug/L	2	30	53-95
Phenanthrene	2.00	1.94	97.0	1.93	96.5	ug/L	0	30	73-100
Anthracene	2.00	1.86	93.0	1.89	94.5	ug/L	2	30	70-95
Fluoranthene	2.00	1.89	94.5	2.01	100.	ug/L	6	30	81-109
Pyrene	2.00	1.90	95.0	2.04	102.	ug/L	7	30	71-104
Benzo(a)anthracene	2.00	1.87	93.5	2.16	108.	ug/L	14	30	70-110
Chrysene	2.00	2.16	108.*	2.37	118.*	ug/L	9	30	70-95
Benzo(b)Fluoranthene	2.00	1.74	87.0	1.79	89.5	ug/L	3	30	67-102
Benzo(k)fluoranthene	2.00	1.78	89.0	1.67	83.5	ug/L	6	30	68-103
Benzo(a)pyrene	2.00	1.81	90.5	1.73	86.5	ug/L	4	30	63-98
Indeno(1,2,3-cd)pyrene	2.00	1.71	85.5	1.64	82.0	ug/L	4	30	61-112
Dibenzo(a,h)anthracene	2.00	1.49	74.5	1.60	80.0	ug/L	7	30	66-108
Benzo(g,h,i)perylene	2.00	1.93	96.5	1.81	90.5	ug/L	6	30	62-106
Pentachlorophenol	4.00	3.67	91.8*	4.04	101.*	ug/L	10	30	10-66
2-Methylnaphthalene-D10			73.1		84.0				43-92
Fluorene-D10			80.1		81.1				29-101
Pyrene-D10			84.5		91.4				53-166
2,4-Dibromophenol			81.3		82.9				10-130

Report of Analytical Results

Client: Acadia Environmental Techno
Lab ID: SG5622-1
Client ID: MW-1
Project: 059-009
SDG: SG5622
Lab File ID: 7GH072.D

Sample Date: 01-AUG-13
Received Date: 02-AUG-13
Extract Date: 05-AUG-13
Extracted By: JH
Extraction Method: SW846 3510
Lab Prep Batch: WG128214

Analysis Date: 07-AUG-13
Analyst: JLP
Analysis Method: SW846 8082
Matrix: AQ
% Solids: NA
Report Date: 13-AUG-13

Compound	Qualifier	Result	Units	Dilution	PQL	ADJ PQL
Aroclor-1016	U	0.48	ug/L	1	.5	0.48
Aroclor-1221	U	0.48	ug/L	1	.5	0.48
Aroclor-1232	U	0.48	ug/L	1	.5	0.48
Aroclor-1242	U	0.48	ug/L	1	.5	0.48
Aroclor-1248	U	0.48	ug/L	1	.5	0.48
Aroclor-1254	U	0.48	ug/L	1	.5	0.48
Aroclor-1260	U	0.48	ug/L	1	.5	0.48
Tetrachloro-M-Xylene	*	115.	%			
Decachlorobiphenyl		67.7	%			

Report of Analytical Results

Client: Acadia Environmental Techno
Lab ID: SG5622-2RE
Client ID: MW-2
Project: 059-009
SDG: SG5622
Lab File ID: 7GH169.D

Sample Date: 01-AUG-13
Received Date: 02-AUG-13
Extract Date: 09-AUG-13
Extracted By: KF
Extraction Method: SW846 3510
Lab Prep Batch: WG128494

Analysis Date: 13-AUG-13
Analyst: JLP
Analysis Method: SW846 8082
Matrix: AQ
% Solids: NA
Report Date: 13-AUG-13

Compound	Qualifier	Result	Units	Dilution	PQL	ADJ PQL
Aroclor-1016	U	0.47	ug/L	1	.5	0.47
Aroclor-1221	U	0.47	ug/L	1	.5	0.47
Aroclor-1232	U	0.47	ug/L	1	.5	0.47
Aroclor-1242	U	0.47	ug/L	1	.5	0.47
Aroclor-1248	U	0.47	ug/L	1	.5	0.47
Aroclor-1254	U	0.47	ug/L	1	.5	0.47
Aroclor-1260	U	0.47	ug/L	1	.5	0.47
Tetrachloro-M-Xylene		95.9	%			
Decachlorobiphenyl		44.1	%			

Report of Analytical Results

Client: Acadia Environmental Techno
Lab ID: SG5622-4RE
Client ID: QA/QC
Project: 059-009
SDG: SG5622
Lab File ID: 7GH170.D

Sample Date: 01-AUG-13
Received Date: 02-AUG-13
Extract Date: 09-AUG-13
Extracted By: KF
Extraction Method: SW846 3510
Lab Prep Batch: WG128494

Analysis Date: 13-AUG-13
Analyst: JLP
Analysis Method: SW846 8082
Matrix: AQ
% Solids: NA
Report Date: 13-AUG-13

Compound	Qualifier	Result	Units	Dilution	PQL	ADJ PQL
Aroclor-1016	U	0.47	ug/L	1	.5	0.47
Aroclor-1221	U	0.47	ug/L	1	.5	0.47
Aroclor-1232	U	0.47	ug/L	1	.5	0.47
Aroclor-1242	U	0.47	ug/L	1	.5	0.47
Aroclor-1248	U	0.47	ug/L	1	.5	0.47
Aroclor-1254	U	0.47	ug/L	1	.5	0.47
Aroclor-1260	U	0.47	ug/L	1	.5	0.47
Tetrachloro-M-Xylene	*	117.	%			
Decachlorobiphenyl		58.3	%			

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No. 2250 P. 1

STORMWATER POLLUTION PREVENTION PLAN (SWPPP)

**Schnitzer Northeast
55 Somerset Street
Portland, Maine**

Prepared for:
Schnitzer Northeast

Prepared by:
Acadia Environmental Technology
Project number 059-005

September 27, 2007



Mark T. Arienti, P.E.
Senior Environmental Engineer

Jun. 19. 2008 8:47AM SCHNITZER NE MADBURY

No. 2250 P. 2

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Schnitzer Northeast Stormwater Pollution Prevention Plan

1.0 INTRODUCTION

Schnitzer Northeast (Schnitzer) operates a facility at 25 Somerset Street in Portland, Maine. Schnitzer's Portland facility is located on a site approximately 0.75 acres in area. The Schnitzer facility, formerly New England Metals Recycling, has been processing ferrous and non-ferrous metals since _____.

This SWPPP has been written to conform to the requirements of the *Maine Pollutant Discharge Elimination System General Permit for Stormwater Discharge Associated with Industrial Activity* (MSGP) issued by the Maine Department of Environmental Protection (DEP) on October 11, 2005. Under the requirements of the MSGP, Schnitzer submitted a Notice of Intent (NOI) to comply with the requirements of the MSGP on October 30, 2005. A copy of the NOI is provided in Appendix A and a copy of Maine's MSGP is included in Appendix B.

2.0 PLAN SIGNATURES

The SWPPP shall be retained on-site and shall be made available to the Maine DEP upon request. Revisions to this plan are undertaken whenever there are significant changes at the facility which can affect discharges or the potential for discharges of pollutants; or whenever a regulatory inspection indicates that the SWPPP is ineffective in eliminating pollutant discharges from the site.

The table below provides a record of changes to the SWPPP and authorization signatures.

Date	Nature of Changes	Authorization Signature
	Update to MPDES requirements	

3.0 POLLUTION PREVENTION TEAM

The pollution prevention team shall consist of personnel employed by Schnitzer who are familiar with the site and its operations through formal training and experience. Responsibilities of the Pollution Prevention Team are to develop, maintain, implement and revise the SWPPP as required. The pollution prevention team for Schnitzer includes the following persons:

Name	Position	Telephone Number
John Hamilton	Environmental Supervisor, SWPPP Team Leader	617-389-8300
Cecil Eldridge	Weigh Master	207-772-8329
Albert Harris	Yard Manager	207-772-8329

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Schnitzer Northeast Stormwater Pollution Prevention Plan

4.0 OVERVIEW OF FACILITY ACTIVITIES

Schnitzer receives a variety of scrap metal articles at the Somerset Street site and conducts limited processing at this location. The majority of scrap metal articles received at the site are consolidated, baled and temporarily stockpiled prior to shipment to affiliated facilities for processing. A vehicle baler is used at the facility to crush and bale vehicles prior to shipment.

All incoming scrap material is screened for compliance with Schnitzer acceptance/rejection protocols. All non-recyclable, non-hazardous materials inadvertently received at the site are set aside and arrangements are made for transport to a licensed disposal site. The facility does not receive or generate hazardous wastes.

5.0 SITE MAP AND STORMWATER FLOW REGIME

5.1 Overview

Schnitzer's facility is located at 25 Somerset Street in Portland, Maine, approximately 1/4-mile east of Back Cove. Figure D-1 shows the location of the facility on a United States Geological Survey quadrangle map.

As illustrated on Figure D-2 *Site Plan*, the site is bounded to the east by Somerset Street, to the north by another metal recycling facility property, to the south by unoccupied land, and to the west by the railroad right-of-way. The Site Plan also shows the location of outside operating areas, as well as any outside storage areas for raw materials, by-products, or finished products.

5.2 Site Drainage

The 0.75-acre site, shown on the Site Plan, Figure D-2, is primarily flat and dirt, but there are sections of pavement at the southern and eastern portions of the site as shown on the Site Plan. Also, a portion of the northwestern corner of the site is covered by a concrete pad. There are no vegetated areas on the site. The Site Plan shows a prediction of the direction of flow patterns across the site. All drainage on the site, except some drainage at the facility truck entrance, makes its way to the drain located in the northeast portion of the yard that flow to a gravity oil and grit separator located northeast of the drain. A second drain is located near the southeastern portion of the site. This drain flows to the other drain and oil and grit separator system at the site, however it has been covered and filled by dirt and other materials from site operation and is no longer operational. The covered drain should either be uncovered, cleaned out and maintained properly, or permanently filled in.

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Schnitzer Northeast Stormwater Pollution Prevention Plan

5.3 Receiving Waters

Storm water discharge from the oil/grit separator enters a separate municipal storm sewer that discharges into to Back Cove. Storm drains located along the curb on Somerset Street also discharge into this separate municipal storm sewer and into back Cove. Back Cove is an inlet of Casco Bay.

6.0 SUMMARY OF POTENTIAL POLLUTANT SOURCES

Maine's MSGP requires covered facilities to provide a *summary of potential pollutant sources* by identifying each separate area at the facility where industrial materials or activities are exposed to stormwater. The MSGP defines industrial materials or activities as including, but not limited to, material handling equipment or activities; industrial machinery; storage, cleaning, fueling and maintenance of vehicles and equipment storage; and raw materials, intermediate products, by-products, final products, or waste products.

The exposure of these substances to storm water runoff could carry the pollutants to the receiving water body, Back Cove. Exposed, significant materials at the Schnitzer Facility include automobile bodies, miscellaneous light iron, and incidental petroleum hydrocarbon products as listed in Table 1. Table 2 presents a list of potential pollutant sources along with their location, the management of stormwater, and pollution potential. The location of these areas is presented on the Site Plan. Schnitzer does not maintain process chemicals, pesticides or fertilizers on site for regular use.

7.0 SPILLS AND LEAKS

There have been no recorded spills or leaks of oil or hazardous pollutants in excess of quantities reportable under the CWA Section 311 or CERCLA Section 302 or M.S.R.A. 543, 550 and 1318-B in the 3 years since submission of the NOI in October 2005.

Potential sources of spills and leaks include hydraulic oil and fuel leaks from the baler, loaders, and trailers that load and unload scrap metal at the facility. The facility maintains spill containment materials onsite such as absorbent booms and oil-dry in the event such incidents occur, and at last resort the catch basins on site drain through an oil/grit separator prior to discharge into the storm drain system.

8.0 STORMWATER QUALITY SAMPLING DATA

Under Maine's MSGP for scrap metal recycling facilities, only quarterly visual monitoring is required. Schnitzer has been performing this monitoring since November 2005 using the monitoring form included in Appendix C. Copies of the completed forms

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for the quarterly visual monitoring performed since fall 2005 are also included in Appendix C as well as the results of historical monitoring performed under the MSGP.

9.0 EXISTING AND PLANNED BEST MANAGEMENT PRACTICES (BMPS)

The SWPPP is required to describe the type and location of existing non-structural and structural best management practices (BMPS) selected for each of the areas/activities listed in Table 2 where industrial materials or activities are potential stormwater pollutants sources. The text below describes applicable structural and non-structural BMPS and how they apply to the Schnitzer Facility. Table 3 provides a summary of the BMPS and a schedule for their implementation.

9.1 Good Housekeeping

Good housekeeping is simply the maintaining of those areas, in a clean and orderly manner, which may contribute pollutants to storm water. Poor housekeeping could result in additional wastes being generated and in an increase in storm water contamination. Areas that are maintained and kept in a neat and orderly fashion reduce the possibility of accidental spills caused by the mishandling of equipment and chemicals and reduce safety hazards to facility employees. Table 4 is a checklist that can be used to evaluate the implementation and effectiveness of good housekeeping procedures.

Although Schnitzer's business deals with scrap or used materials, and therefore can easily appear untidy during operating hours, time is devoted at the end of each day to clean up and organize the site to ensure that:

- any residual materials that could adversely impact stormwater quality, such as oil or chemical leakage or piles of sediment, are removed and managed according to applicable rules;
- scrap metal piles are consolidated so that they are contained within the Schnitzer site;
- Processing equipment such as the baler and loaders are checked for potential fluid leakage and parked in designated areas.

9.2 Minimizing Exposure

Due to the nature of scrap metal recycling operations, i.e. the receiving, processing and packaging of bulky metal objects, it is relatively difficult to cover materials to prevent exposure to precipitation. Instead, Schnitzer operates the facility to:

- minimize material storage time by moving materials quickly through the facility, thereby minimizing the opportunity for stormwater impacts, and

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- Implement a strict control program for inbound recyclables to eliminate the presence of oils, chemicals, and other hazardous substances that could leak and adversely impact stormwater quality.

The Inbound Recyclable Material Control Program includes the following measures:

- Written notification to all suppliers providing updated policies and information on acceptable and unacceptable materials (see Appendix D).
- On-site signage indicating what types of materials are not accepted at the facility.
- A visual inspection conducted by personnel of incoming materials during off-loading operations and immediate notification of delivery vehicle drivers in the event that unacceptable materials are identified during off-loading.
- Employee training regarding procedures for identifying and dealing with unacceptable materials.
- Rejection of unacceptable materials.

Schnitzer should also evaluate potential options for covering the scrap storage and process areas to minimize the amount and nature of stormwater flowing from the site into storm drains.

9.3 Preventative Maintenance

A good preventive maintenance program includes timely inspections and maintenance of storm water management devices (such as cleaning pipes, ditches, catch basins, etc.), inspection and testing of facility equipment and systems to uncover conditions that could cause failures and result in the discharge of pollutants, and the proper maintenance of facility equipment. Preventive maintenance involves the regular inspection and testing of operational systems. The inspections should reveal adverse conditions such as leaks and cracks that could result in the discharges of pollutants to storm sewers and area surface waters. A good preventive maintenance program should reduce the frequency of breakdowns and failures by carrying out repairs and replacements of equipment.

Schnitzer subcontracts preventive maintenance of its heavy equipment and utilizes a licensed contractor for pumping/maintenance of the oil/water separator.

Schnitzer personnel conduct regular visual inspections of equipment and systems such as hydraulic equipment, stormwater collection equipment, and the site in general, to ensure prompt response to identified maintenance needs.

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Schnitzer Northeast Stormwater Pollution Prevention Plan

Equipment/Area/System	Location	Schedule
Hydraulic equipment	Mobile	Daily
Petroleum Storage	Tank/Drums in office building, fill pipe on outside of building	Weekly
Oil/grit separator	Northwest corner of facility	Daily
Stormwater catchment	Middle of site	Daily
Scrap Storage areas	Various Locations	Daily

9.4 Spill Prevention and Response Procedures

The site does not contain sufficient quantities of petroleum products to require a Spill Prevention, Control and Countermeasure (SPCC) Plan as required for compliance with the Clean Water Act. However, Schnitzer does nonetheless have spill response procedures in place for its site (see Appendix E).

Material acceptance/rejection protocol for the Schnitzer facility prohibits virtually any quantity of fuel, oil, or hazardous materials from entering the site (except for fuel and oils used in its operating equipment). The most likely source of a spill of oil is from hydraulic lines cut while processing scrap. Another potential source of an oil spill is equipment servicing operations. Schnitzer formerly maintained an above-ground tank on site with diesel fuel for its equipment, but the tank was removed in 2007. Fueling of vehicles is now done onsite by a subcontractor who brings fuel to the site daily, therefore there is no risk of petroleum impacting stormwater from a leaking above-ground tank. Schnitzer does have a 275-gallon oil located inside its office building to fuel the heating system, so this does still present some risk associated with filling.

During these fueling and servicing operations, operators and technicians shall:

- Remain with the equipment until servicing or refueling is completed
- Have a spill response/countermeasure kit on-hand in case of small spills
- Drain oil, grease and fuel into approved containers
- Take every reasonable precaution to prevent spills of oil, grease, and fuel

If a spill occurs on the site, Schnitzer will follow the procedures outlined in the Spill Response Procedure located in Appendix E. The plan outlines procedures for containment, clean-up and notification for both major and minor spills. A Spill Report Form is located in Appendix F.

9.5 Employee Training

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Schnitzer Northeast Stormwater Pollution Prevention Plan

Employee training is essential. When properly trained, personnel are more capable of preventing spills, responding safely and effectively to an accident, and recognizing situations that could lead to an accident. Employee training programs should inform facility personnel at all levels of the responsibility of the components and goals of the Storm Water Pollution Prevention Plan. Training sessions are required annually, at a minimum, and should cover each area of the Plan including spill prevention and response, good housekeeping, and material management practices. More frequent information and training will be conducted during facility safety meetings.

Spill Prevention and Response

Facility personnel shall be informed of their responsibilities involving spill prevention and response. Instruction shall include the following:

- Preventive measures,
- Spill/leak identification and assessment,
- Initial spill response,
- Notification of supervisory or management personnel,
- Notification of outside agencies (when appropriate),
- Cleanup equipment and methods,
- Affected material removal and follow-up assessment.

Good Housekeeping

Facility personnel are to be trained in how to maintain a clean and orderly work environment. The training program will emphasize the following:

- Prompt clean-up of spilled materials to prevent polluted runoff;
- Identifying places where brooms, vacuums, sorbents, foams, neutralizing agents, and other housekeeping and spill response equipment are located.
- Displaying signs reminding employees of the procedures and importance of good housekeeping;
- Discussing updated procedures at each meeting and report on the progress of practicing good housekeeping;
- Providing instructions on securing drums and containers and frequently checking for leaks and spills;
- Outlining regular schedule for housekeeping activities.

Materials Management Practices

Employees should be trained to:

- Implement scrap acceptance policies;
- Organize materials for storage;
- Identify any toxic and hazardous substances stored, handled, and produced on-site
- Discuss handling procedures for these materials.

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The facility's employee training program may include the use of items such as handbooks, film/slide/video presentations, bulletin boards, suggestion boxes, newsletters, excellence awards or other incentive programs. Routine employee meetings may be held. An outline and schedule for employee training on stormwater and related topics is included as Table 5.

9.6 Sediment and Erosion Control

Areas of some facilities may be prone to soil erosion due to construction activities, steep slopes, sandy soils, etc. Sediment/Erosion control BMPs are measures to reduce storm flow across areas prone to erosion and to change the slope or cover on areas that tend to erode and thus reduce or prevent soil from being moved through the storm water system. Since the site is relatively flat, there are no areas at the Schnitzer site that are prone to erosion to any significant degree. Nonetheless, Schnitzer uses filtering materials, such as hay bales, around catch basins to minimize the discharge of sediments that are stirred up during precipitation events.

9.7 Management of Runoff

As described earlier in the SWPPP, the Schnitzer site is a small, relatively flat site with no concentrated stormwater flow paths. Precipitation falling on the site tends to flow to a slight depression in the northern end of the site where a catch basin is located. The catch basin directs any collected stormwater through an oil/grit separator prior to discharge in to the municipal storm sewer. The oil/grit separator along with hay bales or absorbent booms, which are placed around the catch basin, minimize the chance for oils or sediments to be discharged into the receiving water.

As mentioned above, there is reportedly a catch basin located in the southwest portion of the site (See Site Plan), which has been covered or possibly filled in. This storm drain should be either uncovered and properly maintained or permanently closed to prevent it from being a source of stormwater pollutants.

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Schnitzer Northeast Stormwater Pollution Prevention Plan

10.0 MONITORING AND INSPECTION

The MSGP requires quarterly visual monitoring of stormwater discharges to document observations of color, odor, clarity, floating solids, settled solids, suspended solids, foam, oil sheen, and other obvious indicators of stormwater pollution. At the Schnitzer facility there is one stormwater discharge point, the effluent from the oil/grit separator located underground in the northwest corner of the site. Schnitzer samples this quarterly as required by the MSGP and maintains records of the monitoring in its files.

A Standard Operating Procedure (SOP) for the visual monitoring of stormwater discharges from the Schnitzer facility has been developed. The SOP describes sampling collection frequency, procedures, and data recording and includes a visual monitoring form and instructions for use. The SOP is found in Appendix G.

10.1 Quarterly Site Inspections

The MSGP requires that facility inspections be conducted at least four times a year. These inspections must be evenly spaced with a minimum of sixty days between facility inspections. The inspections must be done by a facility employee or outside consultant that is knowledgeable and possesses the skills to assess conditions at the facility that could impact stormwater quality. These inspections may be conducted in conjunction with the Quarterly Visual Monitoring or conducted separately. A checklist for conducting Quarterly Inspections is included in Appendix H.

10.2 Supplier Notification Program

Suppliers entering the Schnitzer site shall receive a written notification that provides information regarding the policies and practices established by Schnitzer for the purposes of protecting environmental quality. A copy of the Supplier Notification Form is included in Appendix D.

11.0 NON-STORMWATER DISCHARGES

There are no non-stormwater discharges occurring or anticipated to occur at the Schnitzer site.

12.0 PLAN UPDATING REQUIREMENTS

Schnitzer shall amend this SWPPP within sixty days whenever:

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Schnitzer Northeast Stormwater Pollution Prevention Plan

1. There is a change in design, operation, construction or maintenance of the facilities noted above, which will have a significant effect on the discharge of pollutants;
2. If it is determined that the SWPPP is ineffective in controlling the discharge of pollutants from the site; and/or
3. There is a reportable discharge of pollutants from the site.

Changes must be clearly noted and incorporated into the SWPPP.

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FIGURES

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APPENDIX A

Notice of Intent Form

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APPENDIX B
Multi Sector General Permit

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APPENDIX C

Visual Monitoring Form and Historical Monitoring Data

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APPENDIX D
Supplier Notification Form

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APPENDIX E

Spill Response Procedure

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APPENDIX F
Spill Report Form

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APPENDIX G

Standard Operating Procedures for Visual Monitoring of Stormwater Discharge

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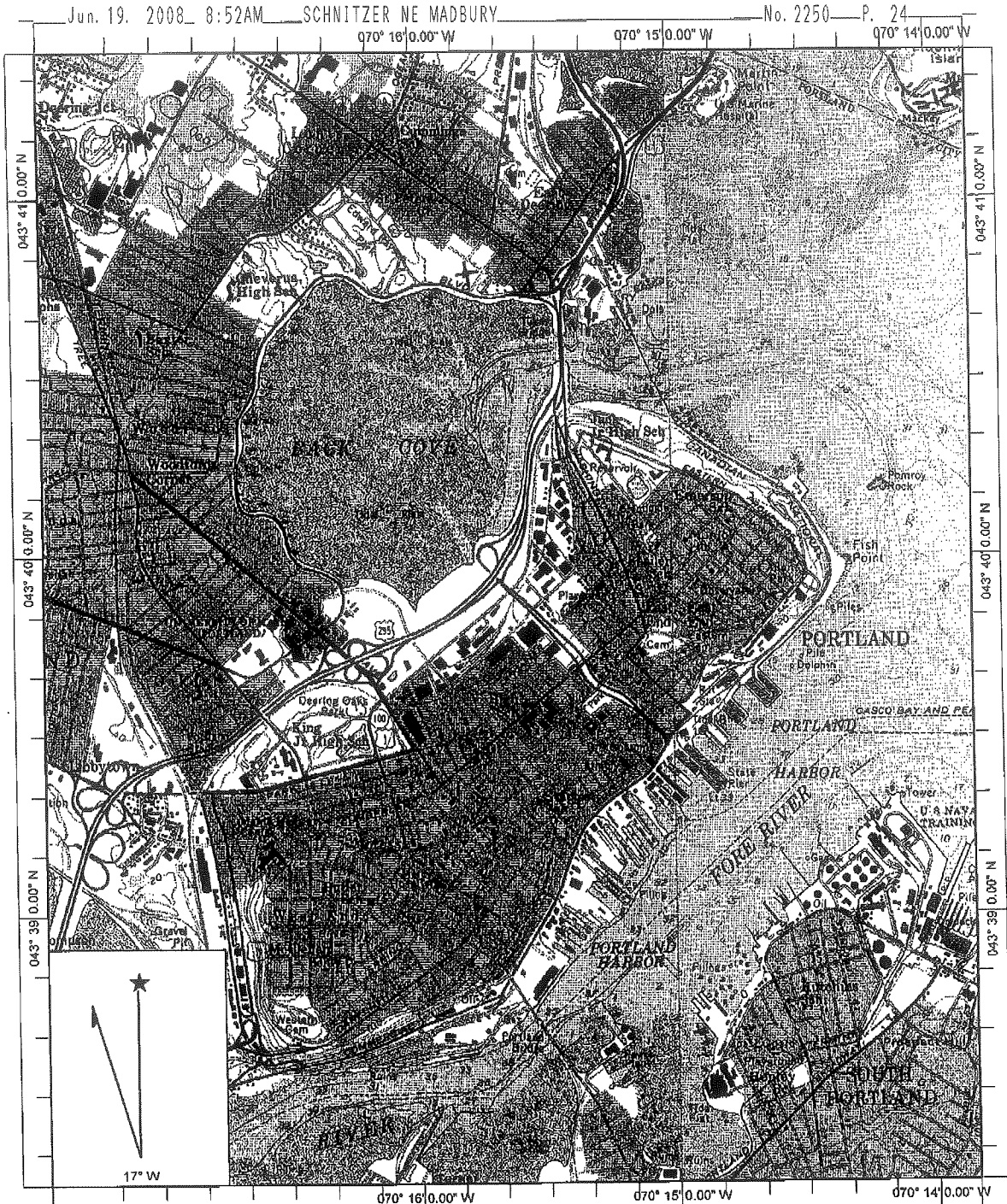
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APPENDIX H

Quarterly Site Inspection Checklist

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Name: PORTLAND WEST	Location: 043° 39' 49.7" N 070° 15' 38.4" W
Date: 9/25/2007	Caption: Figure D-1
Scale: 1 inch equals 2000 feet	Site Location
	Schnitzer Facility - 25 Somerset St. Portland, ME

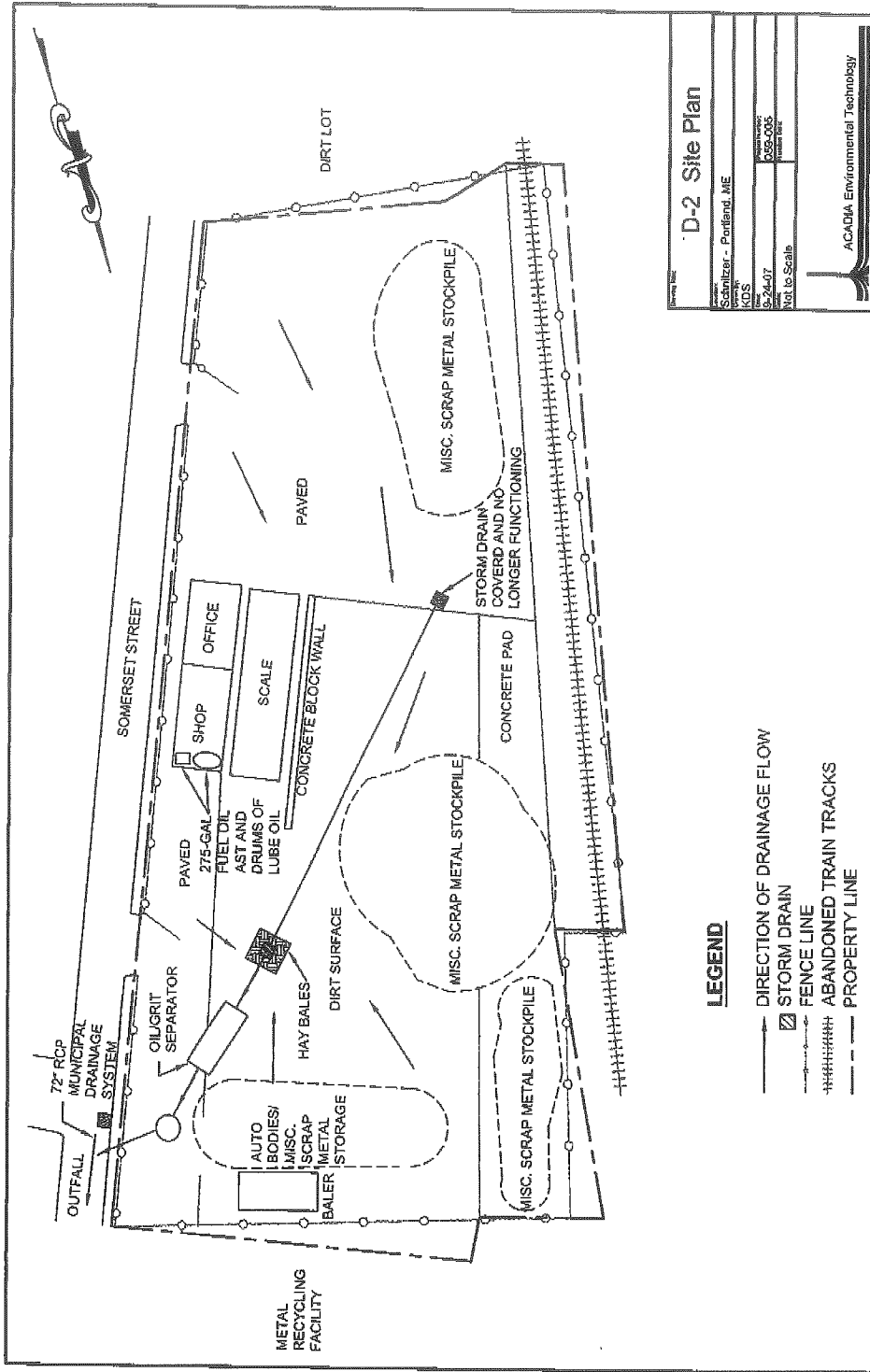
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D-2 Site Plan

Schnitzer - Portland, ME
 KDS
 5/24/07
 058-005
 Not to Scale

ACADIA Environmental Technology

LEGEND

- > DIRECTION OF DRAINAGE FLOW
- ▣ STORM DRAIN
- FENCE LINE
- +++++ ABANDONED TRAIN TRACKS
- - - PROPERTY LINE

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Table 1
Exposed Significant Materials

Description of Significant Material	Period of Exposure	Quantity Exposed	Location (see Site Plan)	Method of Storage
Automobile Bodies	> 3 years	Unknown	Northern end of yard	Open Stockpile
Miscellaneous Light Iron	> 3 years	Unknown	Various locations in yard	Open Stockpile
Diesel Fuel in Vehicles	> 3 years	0 - 50 gallons	Various Locations in Yard	In vehicle fuel tank
Hydraulic Fuel in Equipment	> 3 years	0 - 50 gallons	Various Locations in Yard	In equipment fuel tank
Diesel Fuel	> 3 years but no longer present	0 - 500 gallons	Northern end of Yard along Somerset Street	In aboveground steel tank

Schnitzer Northeast

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Table 2
Potential Pollutant Sources and Management Methods

Activity	Potential Pollutant Sources	Stormwater Management	Pollution Potential
Scrap Material Stockpiling	Iron, lead zinc from scrap stockpiles; Oil/grease leakage from equipment	Stormwater is directed to an oil/grit separator before discharged into storm sewer	low pollution potential; treatment unit removes oil/grease, solids and metals associated with solids
Vehicle Loading/Unloading	Lubricant and Fuel Leakage from vehicles	Stormwater is directed to an oil/grit separator before discharged into storm sewer	low pollution potential; treatment unit removes oil/grease, solids and metals associated with solids
Auto Body Stockpiling/Processing Area	Iron, lead zinc from scrap stockpiles; Oil/grease leakage from equipment	Stormwater is directed to an oil/grit separator before discharged into storm sewer	low pollution potential; treatment unit removes oil/grease, solids and metals associated with solids
Office Building	typical office supplies, heating oil, lubricating fluids	All materials stored in a closed and covered structure	Minimal pollution potential
Equipment Servicing	Oil/grease leakage from equipment	Stormwater is directed to an oil/grit separator before discharged into storm sewer	low pollution potential; treatment unit removes oil/grease, solids and metals associated with solids

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TABLE 3. EXISTING AND BEST MANAGEMENT PRACTICES

BMP	Description of Actions Required for Implementation	Scheduled Completion Date	Responsible Person	Notes
Good Housekeeping	<ol style="list-style-type: none"> 1. Regular area cleaning 2. Use drip pans when maintaining or fueling 3. Check for leaks/drips 4. Regular site inspections to identify and eliminate potential stormwater pollutant source 	<ol style="list-style-type: none"> 1. ongoing 2. 10/2007 3. ongoing 4. ongoing 		
Preventative Maintenance	<ol style="list-style-type: none"> 1. Regular preventative maintenance on baler, loaders, cranes, etc. 2. Regular, scheduled oil/grit separator cleaning 3. Regular, schedule inspection of equipment 	<ol style="list-style-type: none"> 1. ongoing 2. ongoing 3. ongoing 		
Spill Prevention and Response	<ol style="list-style-type: none"> 1. Maintain sorbent materials (booms, pads) readily available 2. Maintain Oil/grit separator in good operating condition 	<ol style="list-style-type: none"> 1. ongoing 2. ongoing 		
Sediment and Erosion Control	<ol style="list-style-type: none"> 1. Place hay bales or booms around yard drains to minimize sediment discharge 	<ol style="list-style-type: none"> 1. ongoing 		
Management of Runoff	<ol style="list-style-type: none"> 1. Operate/maintain oil/grit separator to control discharge of oil or sediment during storm events 2. Employ Inbound Recyclable Material Control Program 3. Permanently close or properly maintain currently covered yard storm drain 	<ol style="list-style-type: none"> 1. ongoing 2. ongoing 3. 12/2007 		
Additional BMPs	<ol style="list-style-type: none"> 1. Evaluate feasibility of covering scrap storage/handling areas and/or loading/unloading area 	<ol style="list-style-type: none"> 1. 01/2008 		

Schnitzer Northeast

09/27/07

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Table 4. GOOD HOUSEKEEPING CHECKLIST

- Are outside areas kept in a neat and orderly condition?
- Is there evidence of drips or leaks from equipment or machinery onsite?
- Is the facility orderly and neat? Is there adequate space in the work areas?
- Is garbage removed regularly?
- Are walkways and passageways easily accessible, safe, and free of protruding objects, materials or equipment?
- Is there evidence of dust on the ground from industrial operations or processes?
- Are cleanup procedures used for spilled materials?
- Is good housekeeping included in the employee program?
- Are good housekeeping procedures and reminders posted in appropriate locations around the workplace?

- Are there regular housekeeping inspections?

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TABLE 5. EMPLOYEE STORMWATER POLLUTION PREVENTION TRAINING SYLLABUS/SCHEDULE

TRAINING TOPICS	DESCRIPTION OF TRAINING PROGRAM/MATERIALS	TRAINING SCHEDULE	REQUIRED ATTENDEES
Spill Prevention and Response	Spill Response Procedure	Annually in fourth calendar quarter	All personnel
Good Housekeeping	Spill Response Procedure	Annually in fourth calendar quarter	All personnel
Material Management Practices	Stormwater Pollution Prevention Plan, ISRI video/posters	Annually in fourth calendar quarter	All personnel
Other Topics	Stormwater Pollution Prevention Plan	Annually in fourth calendar quarter	All personnel

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NOTICE OF INTENT TO COMPLY WITH MAINE MULTI-SECTOR GENERAL PERMIT FOR STORM WATER DISCHARGES ASSOCIATED WITH INDUSTRIAL ACTIVITY

Submission of this Notice of Intent (NOI) constitutes the expressed intent of the entity in Section B to be authorized to discharge pollutants to waters of the State, from the facility or site identified in Section C, under DEP's Stormwater Multi-sector General Permit (MSGP). Submission of the NOI also constitutes certification that the responsible official understands and meets the eligibility conditions of Part I of the MSGP; agrees to comply with all applicable terms and conditions of the MSGP and understands that continued authorization under the MSGP is contingent on maintaining eligibility for coverage. In order to be granted coverage, all information required on this form must be completed and a \$300 check made payable to "Treasurer, State of Maine" is submitted with the NOI. Please read the instructions on the back of this NOI prior to completing this form.

A. Permit Selection
 If a renewal, Permit number assigned to your facility under the previous EPA Multi-Sector General Permit: MER 00A252

B. Facility Contact Information

Applicant Name: (Owner or Operator)	<u>Finkleman, Inc</u>	Applicant Mailing Address:	<u>28 Somerset St. Portland, ME 04101</u>
Town/City: Unorganized Twp	<u>Portland</u>	State:	<u>ME</u>
Daytime phone: (with area code)	<u>607-828-4748</u>	Email if available:	<u>jeanne.schmeichel@MNSJV.com</u>
Zip Code:		Zip Code:	<u>04101</u>

C. Facility/Site Information

Facility/Site Name:	<u>Finkleman, Inc</u>	Latitude: (if known)		Longitude: (if known)	
Location Address: Street/P.O. Box	<u>28 Somerset</u>	Town/City:	<u>Portland</u>		
County:		State:	<u>Maine</u>	Zip Code:	<u>04101</u>

Permit Applicant: Private Tribal Federal State Other public entity

Does the facility discharge stormwater directly or indirectly into: Receiving water(s)? Name(s) of receiving waters: _____ or A municipal separate stormwater sewer system (MS4) Name(s) of MS4 operator: City of Portland

The 4-digit Standard Industrial Classification (SIC) Code(s) or the 2-letter Activity Code(s) that best represent the primary products produced or services rendered by your facility and major co-located activities:

Primary #:	<u>5093</u>	Secondary # (if applicable):	
------------	-------------	------------------------------	--

Applicable sector(s) of industrial activity, as designated in Part III (D)(5) of the MSGP, that include associated discharges that you seek to have covered under this permit (choose all that apply):

Sector A Sector B Sector C Sector D Sector E Sector F Sector G Sector H Sector I Sector J Sector K Sector L Sector M Sector N Sector O Sector P Sector Q Sector R Sector S Sector T Sector U Sector V Sector W Sector X Sector Y Sector Z Sector AA Sector AB Sector AC Sector AD

D. Certification
 By my signature below as a responsible official for the entity identified in Section C of this NOI, I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted; that the information submitted is, to the best of my knowledge and belief, after inquiry with all other necessary individuals, true, accurate, and complete.

Printed Name: Jeanne R. Schmeichel Date: 10/20/05

Title: Environmental Manager

Signature: JR Schmeichel

Send the NOI form, with a check for \$300 made payable to "Treasurer, State of Maine" to Maine Dept. of Environmental Protection, 17 State House Station, Augusta, ME 04333-0017.

OFFICE USE ONLY	CR#	Date Received	NOI #

DEPLW

Maine Department of Environmental Protection

9/21/2005

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STORM WATER POLLUTION PREVENTION PLAN
NEW ENGLAND METALS RECYCLING, L.L.C.
PORTLAND, MAINE

APPENDIX C

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
STORM WATER MULTI-SECTOR GENERAL PERMIT
FOR
INDUSTRIAL ACTIVITIES

VISUAL ASSESSMENT
OF
STORM WATER DISCHARGE WATER QUALITY

Outfall # _____

Parameter	Description
Color	_____
Odor	_____
Clarity	_____
Floating solids	_____
Settled solids	_____
Suspended solids	_____
Foam	_____
Oil sheen	_____
Other obvious indicators of storm water pollution	_____

Name _____

Date _____

W Z B

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SCHNITZER NE MADBURY

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**SCHNITZER NORTHEAST
PORTLAND, MAINE**

SUPPLIER NOTIFICATION FORM

ISSUE NO. 1

October 2, 2007

1. **Purpose:** This notification form provides information to suppliers who may enter the Schnitzer Northeast (Schnitzer) site. Its purpose is to ensure adherence to the policies and practices established by Schnitzer for protection of the environment.
2. **Availability and Distribution:** Schnitzer will make available this document and the associated documents to suppliers who may enter the Schnitzer site to deliver material. All documents will be available or review in the Main Office located adjacent to the scale.
3. **Related Documents:** Schnitzer has initiated the implementation of a Stormwater Pollution Prevention Plan (SWPPP) issued October 2, 2007 and updated regularly. Its purpose is to protect the environment at the site by eliminating the discharge of contaminated stormwater.
4. **Awareness:** All suppliers entering the Schnitzer site shall be generally familiar with the content and purpose of the SWPPP and shall follow the requirements of the plan.
5. **Unacceptable Materials:** The following items and materials will not under any circumstance enter onto the Schnitzer site:
 - 1) Toxic and Hazardous Materials, such as solvents, chemicals, petroleum products (other than fuel contained in delivery vehicle fuel tanks), radioactive material, etc.;
 - 2) Explosives
6. **Off-Loading Procedures:** The following procedures shall be followed during the delivery of materials to the Schnitzer site:
 - 1) Suppliers shall stop and secure their vehicles in the inspection area in front of the vehicle scale and sign in on the SITE VISITOR SIGN-IN SHEET;
 - 2) Suppliers shall review the SUPPLIER NOTIFICATION FORM provided by Schnitzer personnel;
 - 3) Schnitzer personnel shall visually inspect the cargo for unacceptable materials and shall visually inspect vehicles for fuel, oil or coolant leaks. **Suppliers attempting to deliver unacceptable materials or operating vehicles with excessive leaks shall be directed to leave the site immediately;**
 - 4) Suppliers shall proceed onto the scale for weighing after cargo and vehicle are found to be acceptable;

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- 5) Suppliers shall then proceed to the off-loading area as directed by Schnitzer personnel;
- 6) After off-loading of cargo is completed, suppliers shall proceed to the scale for vehicle weighing, complete all paperwork and leave the site.
7. **Reporting Policies:** All suppliers delivering material to the Schnitzer site shall notify Schnitzer personnel immediately in the event of a spill or leak of petroleum products or upon noticing the presence of unacceptable materials noted above in their cargo and remain with their vehicle and cargo until the matter is resolved. Suppliers shall assist Schnitzer management with documenting any incidents prior to leaving the site.

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APPENDIX E
Spill Response Procedure

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SCHNITZER NORTHEAST

SPILL RESPONSE PLAN

This plan describes the cleanup response and protocols to follow in the event of a fuel or oil spill. The uncontrolled discharge of fuel and oil to groundwater, surface water or soil is prohibited by State or Federal laws. It is imperative that action be taken to respond to a spill once it has occurred. Depending on the volume and characteristics of the material released, Schnitzer Northeast (Schnitzer) has defined spill response as either a "Minor Spill Response" or "Major Spill Response" ("Spill Emergency").

1.1 Minor Spill Response

A "Minor Spill Response" is defined as one that poses no significant harm to human health or the environment. These spills involve generally less than 5 gallons and can usually be cleaned up by Schnitzer personnel. Other characteristics of a minor spill include the following:

The spilled material is easily stopped or controlled at the time of the spill;

The spill is localized;

The spilled material is not likely to reach surface water or groundwater;

There is little danger to human health; and

There is little danger of fire or explosion.

In the event of a minor spill the following guidelines shall apply:

1. Immediately notify the senior on-site person (i.e., SPCCC Team Leader).
2. Call the Maine Department of Environmental Protection (1-800-482-0777) within two hours.
3. Under the direction of a senior on-site person, contain the spill with spill response materials and equipment.
4. Place spill debris in properly labeled waste containers.
5. Complete the Spill Notification Form and send to the SPCCC Team leader.

Major Spill Response (Spill Emergency)

A "Spill Emergency" is defined as one involving a spill that cannot be safely controlled or cleaned up. Characteristics include the following:

The spill is large enough to spread beyond the immediate spill area;

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The spilled material enters surface water, groundwater or a storm sewer (regardless of spill size);

The spill requires special training and equipment to cleanup;

The spilled material is dangerous to human health; and

There is a danger of fire or explosion.

In the event of a major spill emergency, the following procedures shall be implemented:

1. All workers shall immediately evacuate the spill site and move to a safe distance away from the spill.
2. A senior on-site person shall call for medical assistance if workers are injured (no worker shall engage in rescue operations unless they have been properly trained and equipped).
3. A senior on-site person shall immediately contact the Maine Department of Environmental Protection (1-800-482-0777) and the National Response Center (1-800-424-8802). Document the telephone calls on the **Spill Notification Form** in Appendix H.
4. Notify the local Fire Department or Police Department (911).
5. A senior on-site person shall contact the Facility Manager and provide details regarding the spill.
6. The SPCCC Team Leader will coordinate cleanup and seek assistance from a cleanup contractor as necessary.

If a senior on-site person is not available at the time of the spill, then the next highest Schnitzer employee in command shall assume responsibility.

Waste Disposal

Wastes resulting from a minor spill response will be containerized in impervious bags, drums or buckets. The waste will be removed from the site by a licensed waste hauler within two weeks.

Wastes resulting from a major spill response will be removed and disposed by a cleanup contractor.

Notification and Reporting

In the event of a minor spill, a senior on-site person shall notify the SPCCC Team Leader and complete a written **Spill Notification Form**. This form details the time, material, and quantity of material released and can be found in Appendix F of the SWPPP.

1.1.5 Spill Response Kit

The following are some suggested items for on-site oil spill response kits. Spill kits should be well marked and kept in a readily accessible location. Facility personnel should be familiar with the location and contents of the spill kits. Note: The number and

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contents of oil spill response kits will vary with the nature, size and location of the facility. Response kits should be tailored to the site specific features of the facility.

1. Drum or other container to hold contents of spill kit
2. Drums or other containers to hold contaminated materials
3. Loose absorbent for oil
4. Sorbent pads/wipes/pillows/booms/socks
5. Nitrile gloves
6. Neoprene gloves for cold weather use
7. Vinyl/PVC Pull-On Overboots
8. Nonsparking Shovels
9. Brooms
10. Drain seals/plugs/mats
11. Sand bags for dams or underflow weirs

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LOG # _____

**SCHNITZER NORTHEAST
SPILL REPORT FORM**

1. PERSON REPORTING SPILL: _____
CODE: _____ EXTENSION: _____

2. LOCATION OF SPILL: _____

3. TIME OF SPILL & DATE: _____

4. MATERIAL SPILLED: _____

5. ESTIMATED QUANTITY: _____

6. CAUSE: _____

7. STORM DRAINS IN AREA? _____ YES _____ NO

8. CLOSEST SURFACE WATER MIGRATION PATH & DISTANCE: _____

9. CONTACT:
PORTLAND FIRE DEPARTMENT (911)
MAINE DEP: OIL SPILL (800-482-0777) HAZARDOUS MATERIAL SPILL (800-452-4664)
MEDEP ASSIGNED SPILL NUMBER _____

10. OTHER PEOPLE CONTACTED: _____

11. CLEAN-UP ACTION TAKEN: _____

12. FINAL DISPOSITION: _____

SIGNATURE CODE DATE
Copy to: John Hamilton, Regional Environmental, Health, and Safety Manager

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Schnitzer Northeast
Somerset Street
Portland, Maine

Standard Operating Procedure
Guidelines for Visual Monitoring of Stormwater Discharges

1. **APPLICABILITY.** This Standard Operating Procedure (SOP) applies to the Schnitzer Northeast (Schnitzer) facility located at 25 Somerset Street in Portland, Maine. This facility is required to perform quarterly visual monitoring of stormwater discharges from the site outfall as noted on the Site Plan as part of the Stormwater Pollution Prevention Plan (SWPPP) in order to achieve compliance with the Multi-Sector General Permit.
2. **PURPOSE.** To provide guidelines for standardized methods for sample collection and visual examination of stormwater discharges for indicators of stormwater pollution as defined in Part V of the Maine MSGP. To provide guidelines describing standardized methods of data recording and record keeping of all quarterly visual stormwater discharge monitoring data.
3. **DEFINITIONS.**
 - 3.1. **Multi-Sector General Permit (MSGP)** A general permit for Stormwater Discharges Associated with Industrial Activities. Authorizes the direct discharge of stormwater associated with industrial activity to waters of the State other than groundwater, provided the discharge meets the requirements stated in this permit. This permit is effective October 11, 2005 and expires October 11, 2010. It replaces EPA's MSGP for Industrial Activities issued October 30, 2000.
 - 3.2. **SWPPP.** Stormwater Pollution Prevention Plan. A plan has been developed and implemented by Schnitzer for the Somerset Street facility. The Plan outlines sources of potential stormwater pollutants and the methods by which these pollutants will be reduced or prevented from entering waters of the State. The Plan identifies in writing a SWPPP team of facility personnel as well as a SWPPP team leader who is ultimately responsible for SWPPP implementation.
 - 3.3. **GRAB SAMPLE.** Sample of stormwater discharge taken as a single uninterrupted event (i.e., grabbed at one time) from a single stormwater outfall from the industrial facility.
 - 3.4. **OUTFALL.** The site outfall sampling location is noted on the Site Plan.
 - 3.5. **MEASURABLE STORM EVENT.** Any storm event that yields at least 0.1 inch of precipitation.
4. **RESPONSIBILITIES.**
 - 4.1. **MONITORING PROGRAM IMPLEMENTATION.** The schedule for performing visual examinations is documented below. Schnitzer will perform and document a quarterly visual examination of industrial stormwater discharges from each outfall as noted on the Site Plan which discharges stormwater associated with industrial activity from the facility.

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4.2. **SAMPLE COLLECTION FREQUENCY.** Visual examinations of stormwater discharges from the Schnitzer site must be performed once per monitoring quarter. If no measurable storm event resulted in discharge from the facility during a monitoring quarter, than no visual monitoring will be required for the quarter. This condition will be documented in the Visual Monitoring Form (VMF) that no runoff occurred. Schedule of monitoring quarters is listed below.

- First: October 1 to December 31
- Second: January 1 to March 31
- Third: April 1 to June 30
- July 1 to September 30

All other time specific sampling requirements are to be performed in accordance with the parameters outlined in the procedures section of this SOP.

4.3. **RECORD KEEPING AND REPORTING.** Schnitzer must maintain reports of all visual examinations conducted onsite with the SWPPP. Schnitzer is not required to submit visual examination results to DEP unless specifically asked to do so. Requirements for recording visual examination data are outlined below.

5. PROCEDURES

5.1. **MEASURING RAINFALL.** A rain gauge approved by the National Weather Service will be maintained on site for measuring rainfall. The rain gauge may be a standard rain gauge, tipping bucket gauge, weighing type gauge, float recording gauge, or any other approved device capable of measuring rainfall to the nearest 0.1 inch. To minimize measurement errors, the gauge should be placed on a level surface that is not windswept and is away from trees or buildings that might interfere with the path of rainfall. The gauge should be regularly inspected by sampling personnel to ensure that it is in good working order and capable of accurately measuring rainfall to the nearest 0.1 inch.

SAMPLE COLLECTION TIMING. A grab sample must be collected from the site outfall once per monitoring quarter during a measurable storm event that occurs at least 72 hours from the previously measurable storm event. The 72 hour interval is waived when the preceding measurable storm did not yield a measurable discharge. The visual examination must be made during daylight hours (e.g., normal working hours). If no storm event resulted in runoff from the facility during a monitoring quarter, the permittee is excused from visual monitoring for that quarter provided the permittee documents and certifies in the monitoring records that no runoff occurred.

During a measurable storm event, a grab sample for visual examination will be collected during the first 60 minutes or as soon thereafter as practicable, but not to exceed 2.25 hours of when runoff begins discharging from areas of exposed industrial activity. During monitoring quarters when snowmelt represents the only stormwater discharge, a grab sample must also be collected during periods of significant snowmelt within the first 60 minutes or as soon thereafter as practicable, but not to exceed 2.25 hours) of when snowmelt begins discharging from the site.

5.2. **SAMPLE CONTAINER CLEANING AND PREPARATION.** An adequate supply of containers shall be maintained on site for collection of stormwater samples from the site outfall prior to collecting samples for visual examination. All sample containers used for sampling for visual

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examination should be certified as clean and free of residue by the container manufacturer, or cleaned according to the following procedure.

- 5.2.1. Wash containers in a non-phosphate detergent and tap water wash.
 - 5.2.2. Thoroughly fill and rinse containers with tap water at least three (3) times.
 - 5.2.3. Store containers closed, and in an area free of dust and other potential sample contaminants.
 - 5.2.4. If additional containers are needed to collect samples from less accessible outfalls (i.e. buckets which are attached to poles for reaching outfalls), these containers should also be cleaned and prepared as indicated above.
- 5.3. **SAMPLE COLLECTION.** Samples should be examined in clear glass or clear plastic container prepared and cleaned as indicated above, so that all visual monitoring criteria can be observed.
- 5.3.1. **MANUAL GRAB SAMPLE COLLECTION.** Manual grab samples will be collected by inserting a container under or downstream of the outfall discharge with the container opening facing upstream, and with the opening of the container completely immersed under water, whenever possible. Containers 250 ml to 750 ml or approximately 8 to 24 ounces in size will be used in sample collection. Samples may be collected by holding the containers by hand or by using poles and buckets as required. Take the grab sample from the horizontal and vertical center of the outfall. Avoid stirring up bottom sediments. Avoid touching the inside of the container to prevent contamination. Make sure samples are securely capped until examination.
- 5.4. **SAMPLE EXAMINATION.** Visual examination of all grab samples collected must be performed within the first sixty (60) minutes (or as soon thereafter as practicable, but not to exceed 2.25 hours) of when the runoff or snowmelt begins discharging from the outfall. Collect the samples and bring them to a well lit indoor area. Pour each sample into a separate 1 L polycarbonate plastic graduated vessel. The vessel should have graduations that allow volume measurement to the nearest milliliter. Record the total sample volume to the nearest milliliter on the visual monitoring form. Examine the samples for the following criteria according to the instructions provided with the visual monitoring form: Foam, odor, clarity, floating solids, suspended solids, color, oil sheen, settled solids, and any other obvious indicators of stormwater pollution. Read the settled solids 1 hour after pouring the sample into the cone, this assures all solids are settled out of the water. Settled solids in the bottom of the cone should be measured to the nearest milliliter. It is also recommended that a sample of tap water be collected in the same type of container used to collect the samples and used as a comparison to aid in evaluating the samples for the criteria stated above.
- 5.5. **SAMPLE DATA RECORDING.** Record all sample data on the VMF after examining the sample for all of the criteria listed in these instructions. The form should include the examination date and time, examination personnel, the nature of the discharge (i.e., rain or snowmelt), identification of outfall sampled, quality of the stormwater discharge (including observations of color, odor, clarity, floating solids, settled solids, suspended solids, foam, oil sheen, and any other ob-

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vious indicators of stormwater pollution), and probable sources of any observed contamination. The SWPPP Team Leader must sign and certify the documentation. All visual examination reports must be maintained on site with the SWPPP.

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QUARTERLY INSPECTION CHECKLIST

I. GENERAL INFORMATION

Facility Name: _____ Date: _____
 Inspection performed by: _____

II. OUTDOOR SCRAP STORAGE AREAS :

A. Materials Stored:

- Shredder Residue Automobile Stockpile White Goods Tin Wire Aluminum
 Plate/ structural steel Stainless Bale Storage Electric motors Turnings Borings
 Bushlings Motor Blocks Fines Other _____

B. Petroleum originating from storage area

1. Is staining present on ground? Yes No

If yes:

- a. Source of petroleum: Unknown _____
 b. Action taken: No action Remove/replace soil Absorbent materials used
 c. If soil is removed, list disposition of soil _____
 d. Disposition of absorbent material _____

C. Are any materials stored on concrete pads? Yes No NA

D. Condition of storm water diversion in materials storage area? NA Satisfactory Maintenance Required

Comments: _____

E. Condition of secondary containment for storage area? NA Satisfactory Maintenance Required

Comments: _____

III. OUTDOOR PROCESSING AREAS/EQUIPMENT

A. Equipment Inspected:

- Shredder Baler Shear Car crusher
 Other _____

B. Petroleum originating from storage area

1. Is staining present on ground? Yes No

If yes:

- a. Source of petroleum: Unknown _____
 b. Action taken: No action Remove/replace soil Absorbent materials used
 c. If soil is removed, list disposition of soil _____
 d. Disposition of absorbent material _____

C. Identify any leaking pipes, hoses, reservoirs, valves, or fittings: None

Description: _____

Repairs required: _____

D. Condition of secondary containment - hydraulic reservoirs? NA Satisfactory Maintenance Required

Comments: _____

E. Spill Kits

1. Is spill kit located close enough to processing area to provide quick access?

NA Yes No

If no, person assigned to assemble spill kit: _____

2. Is spill kit plainly marked? NA Yes No

If no, person assigned to identify spill kit: _____

3. Is spill kit covered from precipitation? NA Yes No

4. Are any contents wet? NA Yes No

If yes, person assigned to replace: _____

5. Spill kit inventory: Granular material Absorbent pads Absorbent boom Shovel
 Rake Other _____

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IV. REFUELING AREAS AND OTHER TANKS EXPOSED TO PRECIPITATION

- A. Products Stored:
 Diesel Gasoline Hydraulic fluid Used oil
 Other _____
- B. Petroleum product on ground:
 1. Is petroleum staining present on ground? Yes No
 2. Is petroleum pooled on ground? Yes No
 If 1. or 2. is yes:
 a. Source of petroleum: Unknown _____
 b. If source is equipment/hose malfunction, repairs required _____
 c. Is source due to refueling of vehicles? Yes No
 d. Is source due to refilling tank by contracted hauler? Yes No
 e. Action taken: No Action Remove soil Remove/replace soil Absorbent materials used
 f. Clean-up assigned to: _____
 g. If soil is removed, final depository of soil NA _____
 h. Absorbent material with petroleum material deposited:
 NA In drums Other _____
- C. Does tank need painting? Yes No
- D. Are valves, pipes or hoses in need of repair? Yes No
 1. If yes, describe _____
 2. If yes, person assigned to repair _____
- E. Is secondary containment provided for tank? Yes No
 If yes:
 1. Are all valves used to drain secondary containment locked? Yes No
 2. Is secondary containment holding water? Yes No
 a. If yes, Is there a visible sheen or other obvious contamination of the water? Yes No
 3. Is secondary containment structures in need of repair? Yes No
 a. If yes, describe condition of structure: _____
- F. Are reservoirs equipped with an alarm and/or pump shut off system? Yes No
 1. If yes, Alarm Pump shut off system
 2. Is alarm or shut off valve operational? Yes No
 If no, person assigned to repair: _____

V. OUTDOOR VEHICLE AND EQUIPMENT MAINTENANCE AREAS

- A. Identify maintenance area if more than 1: NA _____
- B. Product on ground:
 1. Is product staining present on ground? Yes No
 2. Is product pooled on ground? Yes No
 If 1. or 2. is yes:
 a. Source of product: Unknown _____
 b. Action taken: No Action Remove soil Remove/replace soil Absorbent materials used
 c. Clean-up assigned to: _____
 d. If soil is removed, final depository of soil NA _____
 e. Absorbent material with product material deposited:
 NA In drum assigned for spilled product Other _____
- C. Are maintenance activities conducted on concrete? Yes No
 If yes:
 1. Is "fresh" staining present on concrete which may be removed by storm water? Yes No
- D. Are drip pans being used to collect spills and drips during maintenance? Yes No

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VI. EROSION AND SEDIMENT BMP'S AND OTHER CONTROL STRUCTURES

- A. Ditches
 - 1. Are any areas in ditch in need of repair due to erosion? Yes No
 - 2. Is ditch obstructed? Yes No
- B. Pond/Sediment Trap
 - 1. Does sediment need to be removed from pond/trap? NA Yes No
 - 2. Is principal spillway in need of repair? NA Yes No
 - 3. Is emergency spillway in need of repair? NA Yes No
 - 4. Is dam in need of repair? NA Yes No
 - 5. Is inlet area in need of repair? NA Yes No
 - 6. Does outlet channel need repairs? NA Yes No
- C. Catch basins
 - 1. Has sediment accumulated in any catch basins? NA Yes No
 - 2. Has sediment accumulated around catch basin inlet? NA Yes No
 - 3. Is inlet covered or clogged? NA Yes No
 - 4. Is grate missing? NA Yes No
- D. Silt Fencing
 - 1. Does sediment need to be removed from silt fencing? NA Yes No
 - 2. Has silt fencing been damaged and in need of repair? NA Yes No

VII. OUTFALL INSPECTION

- A. Outfall ID: _____
- B. Petroleum product on ground:
 - 1. Is petroleum staining present on ground? Yes No
 - 2. Is petroleum pooled on ground? Yes No
- C. Pooled water
 - 1. Is standing water present downgradient of the outfall? Yes No
 - If yes:
 - a. Is sheen observed on water surface? Yes No
 - b. Is water discolored? Yes No
 - c. Is foam present on water surface? Yes No
 - d. List any other signs of possible contamination: _____

VII. COMMENTS
