STORM WATER PROGRAM MANAGEMENT PLAN (SPMP) ANNUAL SUMMARY REPORT PERMIT YEAR 1 (JUNE 2008 – JUNE 2009)

prepared for

Maine Turnpike Authority

2360 Congress Street
Portland, Maine

prepared by

GZA GeoEnvironmental, Inc.
4 Free Street
Portland, Maine 04101

File No. 09.0025500.21 Task 1
September 2009

Maine Turnpike Authority
430 RIVERSIDE STREET
PORTLAND, MAINE 04103

VIA EMAIL

September 15, 2009

Mr. David Ladd
Stormwater Phase II Coordinator
Bureau of Land and Water Quality
Maine Department of Environmental Protection
17 State House Station
Augusta, Maine 04333-0017

SUBJECT: Maine Turnpike Authority (MTA)
Stormwater Program Management Plan (SPMP)
Maine DEP Permit # MER043001
Annual Report for Permit Year 1 (June 2008 through June 2009)

Dear Mr. Ladd:

On behalf of MTA, I am pleased to submit this Annual Summary Report for Permit Year 1, which satisfies the requirements in Part IV(J) of the MPDES General Permit for Stormwater Discharges from Maine Department of Transportation (MaineDOT) and MTA Municipal Separate Storm Sewer Systems (MS4s).

This Annual Summary Report describes MTA's program of Best Management Practices (BMPs) accomplished and status of Measurable Goals (MGs) for each of the six Minimum Control Measures (MCMs) for Permit Year 1, which were originally presented in MTA's SPMP (dated December 2008). In short, MTA has successfully met the Permit Year 1 requirements as outlined in the SPMP.

A current copy of the SPMP is not included in this report, as it was submitted to the DEP in December 2008. The Plan remains unchanged and is still current and applicable.

BACKGROUND

In accordance with Part IV(A) of the MPDES MS4 General Permit, MTA's SPMP was developed for the purpose of establishing, implementing and enforcing a stormwater management program to reduce the discharge of pollutants from MTA's roadways, drainage areas and facilities within UAs to the maximum extent practicable to protect water quality, and to satisfy the appropriate water quality requirements of the Clean Water Act (CWA). MTA's SPMP and accompanying Notice of Intent (NOI), which were submitted to the Maine DEP in December 2008, outline the program of BMPs and MGs that MTA has incorporated to meet the requirements of the following six MCMs:

1. Public education and outreach on stormwater impacts;
2. Public Involvement and Participation;
3. Illicit Discharge Detection and Elimination (IDDE);
4. Construction site stormwater runoff control;
5. Post-construction stormwater management in new development and redevelopment; and
6. Pollution prevention/good housekeeping for community/facility operations.

For each of the MCMs, MGs have been established to evaluate the designated BMPs. These MGs have been assigned an implementation schedule and/or milestones for implementation of applicable BMPs. Additionally, specific MTA personnel are delegated the responsibility for implementing each BMP. The work plan/implementation schedule, which summarizes the MCMs, MGs, applicable BMPs and the designated responsible party's name and job title as found in the SPMP, has been updated to include a summary of achievements and completed goals for Permit Year 1. This summary is included as **Table 1** of this report.

The following sections present a summary of achievements and completed goals for the first year of implementation (Permit Year 1) and evaluation of the SPMP requirements.

SUMMARY OF SPMP PERMIT YEAR 1 ACHIEVEMENTS & COMPLETED GOALS

In accordance with the MPDES General Permit Part IV(J), this Annual Summary Report presents a summary of significant goals achieved during the first year (July 2008 through June 2009) of implementation of the MTA's SPMP including an evaluation of BMPs and MGs established for the 6 MCMs discussed above. Specifically, Part IV(J) of the permit requires the following annual documentation relative to the SPMP:

MPDES Part IV(J)(1) -- By September 15, 2009, and annually thereafter by September 15, the permittee shall submit a report for the Department's review and approval…The report must include the following:

a. The current copy of the Plan (including a detailed implementation schedule), status of compliance with permit conditions, an assessment of the appropriateness of identified BMPs and progress towards achieving identified measurable goals for each of the MCMs.

The SPMP has not been modified or updated since its submittal to the Maine DEP on December 19, 2008. Therefore, a current copy of the SPMP is not included with this Annual Summary Report. All of the MCMs, MGs, and BMPs are summarized in the work plan/implementation schedule presented in **Table 1** of this report.

b. Results of information collected and analyzed, including monitoring data, if any, during the reporting period.

No water quality monitoring data, including field screening or laboratory analysis, was conducted during this reporting period (Permit Year 1). However, data relative to each BMP and MG are summarized in the section for each specific MCM. For example, the process and impact indicators evaluated for MCM 1 are included on the next page; the number and type of inspections conducted as part of the Illicit Discharge Detection and Evaluation (IDDE) program are included with the summary for MCM 3.

c. *A summary of the stormwater activities the permittee intends to undertake pursuant to its Plan during the next reporting cycle.*

No changes to the SPMP implementation schedule or measurable goals have been proposed or are anticipated for Permit Year 2. Please refer to **Table 1** copied directly from the SPMP for a listing of proposed goals for Permit Year 2.

d. *A change in identified measurable goals that apply to the program elements.*

No changes to the SPMP implementation schedule or measurable goals were made during Permit Year 1 or anticipated at this time for Permit Year 2.

e. *A summary describing the activities, progress, and accomplishments for each of the MCM #1 through #6 (including such items as status of education and outreach efforts, public involvement activities, stormwater mapping efforts, dry weather inspections, detected illicit discharges, detected illicit connections, illicit discharges that were illuminated, construction site inspections, number and nature of enforcement actions, post construction BMP status and inspections, and the status of the permittee's good housekeeping/pollution prevention program).*

A summary of achievements and completed goals for Permit Year 1 is shown on attached **Table 1** (Summary of SPMP Implementation Schedule & Completed Goals for Permit Year 1) and the primary or key results are also summarized for each MCM in the subsections below. Additional supporting documentation is also provided in **Attachments A through E**.

MCM 1 – Public Education & Outreach on Stormwater Impacts: As shown on **Table 1** and **Attachment A**, a revised SPMP training program was performed for MTA Maintenance personnel and Engineering inspectors. The stormwater training program, which is combined with SPCC topics, was performed in May and June 2009 by regulatory specialists from GZA GeoEnvironmental, Inc. (GZA) and MTA alike. The training was attended by approximately 111 MTA employees[1]. Prior to conducting training, the combined SPCC/Stormwater training curriculum was updated circa April 2009 to reflect the following:

- Revisions to the new MPDES MS4 Permit, including information regarding MTA's two designated highest priority watersheds and other urban impaired stream watersheds; and
- Requirements associated with erosion prevention and sedimentation control, including construction and post-construction BMPs, operation and maintenance (O&M), and inspections.

Also as part of MCM 1, MTA has drafted an Awareness Plan and BMP Adoption Plan. Both of these Plans were provided as handouts during training and discussed to ensure that all MTA employees are aware of the three goals of this MCM:

[1] Please note that in years past MTA has generally provided training for approximately 120 to 130 employees in the Maintenance Departments. These training sessions are generally conducted throughout the month of May and include the seasonal employees. This year, seasonal employees were not working during the month of May thus not able to attend training.

1. To raise awareness that polluted stormwater runoff is the most significant source of water quality problems in Maine's waters;
2. To motivate people to use the BMPs which reduce polluted stormwater runoff; and
3. To reduce polluted stormwater runoff as a result of increase awareness and utilization of BMPs.

The training sessions described above, which included in-class test/examination and workshop session, provided an opportunity to assess process and impact indicators associated with the Stormwater Awareness and BMP Adoption Plans drafted by MTA. The following summary of process and impact indicators has been prepared based on information collected during training sessions for MTA employees in attendance[2].

Process indicators:

- Number of 3-hour training sessions conducted: 8 (one at each MTA maintenance facility)
- Number of MTA employees attended: 111 (including maintenance and engineering staff)

Impact indicators:

- Average test score for the SPCC/stormwater training sessions: **92%**
- Percentage of MTA employees able to identify the goals of the Stormwater Awareness and BMP Adoption Plans: **91% (101 out of 111 attendees)**
- Percentage of MTA employees able to identify (and differentiate between) a structural and non-structural BMP: **87.5% (97 out of 111 attendees)**
- Percentage of MTA employees who demonstrated applied knowledge of BMP-specific information (i.e., silt fence must be installed prior to disturbing land, hay mulch must be placed at the end of each day, etc.): **82% (91 out of 111 attendees)**
- Percentage of MTA employees able to identify sources of stormwater pollution: **96% (107 out of 111 attendees)**

In an effort to continue education and outreach efforts from the previous 5-year permit cycle, MTA offers the following accomplished MGs:

- MTA, its counsel or its consultant(s), have attended and participated in multiple public meetings, seminars, and conferences as shown in **Attachment B**, including at least ten (10) Interlocal Stormwater Working Group (ISWG) meetings.
- MTA also participated in several additional stormwater-related efforts including: (1) attending Watershed Management Plan Meetings for Hart Brook and Long Creek; (2) contributing to DEP's "Think Blue Maine" campaign; and (3) continuing a link from MTA's environmental website to the Cumberland County Soil and Water Conservation District's yardscape program.

[2] These plans (e.g., Stormwater Awareness and BMP Adoption Plans) will also be provided to MTA contractors at pre-construction meetings. Although there is no data at this time relative to process and impact indicators for contractors, MTA anticipates collecting the necessary data in the future.

- MTA also continues to maintain a file of training certificates from contractors to ensure that the delegated OSRP on MTA contracted projects is adequately trained and knowledgeable in ESC from DEP's NPS Training Program.

MCM 2 – Public Involvement & Participation: The MTA's public notice policy and scheduled public meetings during Permit Year 1 complied with the Maine Freedom of Access Act (FOAA), including a public MTA Board Meeting on December 16, 2008 where time was allotted for environmental topics and stormwater management was highlighted. MTA continues to maintain close communication with MS4 communities' and their respective Stormwater Coordinators, primarily through participation in the Greater Portland ISWG. Additionally, during Permit Year 1 MTA has continued to be closely involved with the evolving management requirements of UIS watersheds, in particular Hart Brook (within UA in Lewiston) and Long Creek (outside UA in South Portland). As previously mentioned in MCM 1, MTA also contributed to DEP's "Think Blue Maine" campaign during Permit Year 1.

MCM 3 – Illicit Discharge Detection & Elimination (IDDE): The Urbanized Area (UA) within MTA's ROW were mapped during the previous MPDES Permit cycle using 2000 Census Bureau data. Therefore, in Permit Year 1, the previously developed MS4 map inventory was maintained and no upgrades appear necessary to account for additional UA resulting from the change in 1990 to 2000 UA delineation data. Furthermore, when MTA's MS4 maps were developed along with the accompanying database as part of the previous 5-year MS4 permit cycle, MTA collected the specific information being requested by DEP (i.e., assign unique identifier, type/size/materials of each conveyance, proximate surface waterbody, etc.) to supplement the MS4 maps and database.

In Permit Year 1 and currently, MTA continues to track outfall inspections and catch basin cleanouts using a customized database to streamline mapping and document inspections. The field data tracking forms were updated to facilitate data collection during inspections and cleanouts; a copy of the revised data sheets are provided in **Attachment C**. Priority during Permit Year 1 was given to conducting dry weather inspections of outfalls that discharge to the two highest priority watersheds (Hart Brook and Goosefare Brook).

- As part of MTA's IDDE effort, MTA inspected 319 catch basins and 235 outfalls within UA;
- MTA expanded this effort and documented inspections of catch basins and outfalls outside of UA, specifically within the Long Creek watershed in South Portland. This non-UA effort in South Portland adds another 50 catch basins and 30 outfalls to the conveyances inspected by MTA; thus totaling 369 catch basins and 265 outfalls documented as part of MTA's IDDE effort in Permit Year 1; and
- Sediments were removed from catch basins with priority given to (1) those located within UIS watersheds, specifically Hart Brook and Goosefare Brook; and (2) those located within the median of MTA's ROW, as sediments tend to accumulate more rapidly in these conveyances. As noted in **Table 1**, sediments were disposed of in accordance with an existing Memorandum of Understanding with DEP.

MTA also continues to review and revise the IDDE notification forms and associated procedures and incorporate into the annual training to ensure that illicit discharges are detected and properly eliminated; however, no illicit discharges were detected during Permit Year 1 in open ditch systems, in UIS watersheds or in other areas throughout MTA's ROW. MTA employees are trained to identify and document illicit discharges, as well as allowable non-stormwater discharges including air conditioner condensate from toll plazas within UAs along MTA's ROW. Additionally, MTA's Spill Report Form was updated during Permit Year 1 to include illicit discharge detection information thus providing an additional trigger for MTA's IDDE

notification procedures. MTA's IDDE SOP, which was developed during the previous permit cycle, was reviewed to include the current MPDES permit requirements; updates to the IDDE SOP are anticipated to be finalized in Permit Year 2.

MCM 4 Construction Site Stormwater Runoff Controls: In 2007, when MTA and MaineDOT worked with DEP to update the Memorandum of Agreement (MOA) due to the recent revisions to Chapter 500 Stormwater Management Law, MTA had already implemented many MS4 elements to control stormwater runoff from construction sites (i.e., require contractors' OSRP to be trained by DEP's Non-Point Source (NPS) program and provide appropriate certification; inspect and document BMPs for construction performed by MTA employees; etc.).

Since then, MTA continues to implement MS4 elements in addition to the requirements associated with the updates to Chapter 500 and the MOA throughout MTA ROW regardless of the one acre threshold thus often exceeding the requirements of this MS4 permit. For example, most of the construction BMPs (structural and non-structural), which are reported to the DEP in the annual MOA report[3], are implemented throughout MTA's ROW (including but not limited to UA) and apply to all linear projects undertaken by MTA (including those less than one acre in disturbed area).

MTA continues to rely on binding contract language to ensure that contractors comply with the construction-related BMPs/requirements of (1) Chapter 500; (2) applicable portions of the MOA; and (3) the MS4 permit. MTA employees are trained extensively on construction site stormwater runoff controls and are required to submit daily inspections for review when performing construction that disturbs land (even less than one acre). MTA will continue to enforce and evaluate this program in Permit Year 2.

MCM 5 Post-construction Stormwater Management in New Development and Redevelopment: Similar to MCM 4, when MTA and MaineDOT worked with DEP in 2007 to update the MOA due to the recent revisions to Chapter 500 Stormwater Management Law, MTA had already implemented MS4 elements related to post-construction stormwater management for new development and redevelopment (i.e., training emnployees on long term O&M practices, etc.).

Like MCM 4, MTA continues to implement MS4 elements in addition to the requirements associated with the updates to Chapter 500 and the MOA throughout MTA ROW regardless of whether or not there is a direct discharge to the waters of the State. Relative to Permit Year 1, MTA offers the following:

- No development and/or redevelopment projects were identified within UA in Permit Year 1 with "direct discharges to the waters of the State other than groundwater" thus no projects were located within MTA's two highest priority watersheds; and
- MTA's newly constructed Administration/Headquarters Building was constructed outside UA; however, a copy of the O&M schedule to ensure long term maintenance of the structural and non-structural BMPs has been included as **Attachment D**.

MTA continues to train employees to identify appropriate strategies that include both structural and non-structural BMPs and will continue to implement an O&M schedule for new development, specifically newly installed structural BMPs within UA. MTA will continue to implement and evaluate this program in Permit Year 2.

[3] MTA's Annual MOA Report was submitted to DEP in June 2009.

MCM 6 – Pollution Prevention (P2) & Good Housekeeping for Community/Facility Operations: As discussed under MCM 1, MTA employees continued to be trained in stormwater pollution prevention and erosion and sediment control practices. MTA's training program also incorporates construction and post-construction inspection and O&M requirements, including a newly developed BMP O&M schedule. A copy of the O&M schedule for the new MTA Headquarters Building is included as **Attachment D** to this annual report.

Consistent with previous years, street sweeping was conducted within all UA during Permit Year 1; however, priority was given to sweeping within UIS watersheds (Hart Brook and Goosefare Brook) as soon as possible after snow melt during Permit Year 1. Sweeping is conducted at least once each year on linear areas and multiple times each year in peripheral areas, such as interchanges, toll plazas, park-and-ride lots and other facilities.

As mentioned in MCM 3 and consistent with previous years, MTA continues to operate its annual catch basin cleanout and outfall inspection program. In conjunction with the dry weather inspections conducted by MTA highway maintenance and engineering personnel, HNTB continues to perform annual inspections of MTA's infrastructure, including large stormwater conveyances. Both of these inspection programs identify potential repairs and/or upgrades to be made to conveyances within UA, as well as throughout the remainder of MTA's ROW.

Many continued efforts, as well as new MGs accomplished in Permit Year 1, help MTA to meet the objectives of MCM 6, including (but not limited to) the following:

(1) Spill Prevention, Control and Countermeasures (SPCC) Plans with integrated Stormwater Pollution Prevention Measures for all MTA Highway/Equipment Maintenance Garages that address the proper use, storage and disposal of petroleum products, as well as non-petroleum products and other hazardous materials;

(2) To supplement spill response and prevention measures in the facility-specific SPCC Plans, MTA has developed and implemented a Mobile SPCC Plan for all MTA ROW, and specifically addresses more stringent practices within UA;

(3) The integrated stormwater pollution prevention measures incorporated in these SPCC and Pollution Prevention Plans address vehicle and equipment storage practices, maintenance and refueling;

(4) Post-construction requirements for newly installed structural BMPs include an O&M schedule for mowing and inspections in accordance with applicable Chapter 500 requirements, were developed during Permit Year 1;

(5) Construction and post-construction inspection requirements have been implemented for all projects (even those less than 1 acre) in accordance with the Chapter 500 MOA; and

(6) MTA maintains an existing road-killed wildlife policy.

RESPONSE TO DEP COMMENTS FROM PERMIT YEAR 5 ANNUAL REPORT

As part of the DEP's review of MTA's Permit Year 5 MS4 Annual Report, the DEP provided comments in a letter dated June 30, 2009, in which there were a number of questions or comments that required responses from MTA. In the letter that has been included as **Attachment E**, DEP suggested that MTA address the

questions in this Permit Year 1 Annual Report. DEPs questions and/or comments are in *italicized font* below; MTA's answers and/or responses are provided in standard font.

DEP Comment on Page 1, Second Paragraph – Note: In the future please submit your annual reports in electronic format only to reduce the amount of paper used.

As requested, MTA has provided this annual report to DEP in electronic format only.

BMP 3b. Dry Weather Inspections: This is a key BMP for the success of this MCM; your report supplies an excellent data sheet but no data as to inspections conducted. Am I missing something? How many dry weather inspections did MTA conduct during PY five? I believe that MTA has developed and implemented a good employee training program and is well prepared to deal with spills, and has also developed a procedure for reporting illicit non-stormwater discharges to DEP. The structure for this MCM appears strong, but your annual report needs to contain the number and types (outfall, catch basin) of inspections.

As part of MTA's IDDE program, all catch basins and outfalls (discharge pipes for catch basins) within UA are inspected each Permit Year. The data sheets provided in the last annual report are completed in the field and the field data are then subsequently entered into MTA's stormwater database thus tracking all inspections conducted, any observations noted (i.e., potential illicit discharges, authorized non-stormwater discharges, etc.) and potential follow up work required (i.e., repairs, maintenance, etc.). During Permit Year 5, the number of catch basins and outfalls inspected within UA were approximately 319 and 235, respectively.

The DEP requested that MTA's annual report should include "the number and type (outfall, catch basin) of inspections." Please note that this annual report for Permit Year 1 has been updated to include this requested specific information. The number of inspections (catch basins and outfalls) remains the same for Permit Year 1 since MTA continued to document inspection of these features within UA; however, MTA also documented inspections of catch basins and outfalls in South Portland (within the Long Creek watershed) as part of this IDDE program.

BMP 6c. Street Sweeping: This should be listed as a BMP specifically under MCM 6. I did see in Appendix F that MTA implemented a sweeping program for its paved surfaces-well done.

In addition to MCM 6 of the MS4 report, street sweeping operations are reported under the Annual MOA Report and generally includes the linear traffic corridor as well as peripheral areas such as interchanges, park and rides, etc. For example, in the 2008 Annual MOA Report, approximately 335 linear miles were swept and 165 additional ancillary facilities were swept. In general, the linear traffic corridor is swept at least once each year with preference given in the spring time after snow melt and also to areas within UIS watersheds; peripheral areas/facilities are often swept multiple times each season.

Priority of catch basin cleaning is given to catch basins located in the median of the linear corridor because this is an area where sediments accumulate the fastest. Since the new MS4 permit and accompanying SPMP was developed last year, a prioritized schedule was developed with priority also given to catch basins located within UA.

If you have any questions concerning this Annual Summary Report of MTA's MS4 SPMP, please do not hesitate to call me at (207) 871-7771, ext. 359.

Respectfully,

John M. Branscom
Environmental Services Coordinator for
Maine Turnpike Authority

cc: Cecile Thompson, MTA
Peter Merfeld, MTA
Robyn Saunders, GZA GeoEnvironmental, Inc.

ATTACHMENTS:

Table 1 – SPMP Implementation Schedule for Permit Year 1

Attachment A Training Documents
Attachment B Logs of Public Meetings and other Events
Attachment C Updated Field Sheets
Attachment D O&M Schedule for MTA Administration Building
Attachment E DEP Letter (June 2009)

TABLE 1

TABLE 1

STORMWATER PROGRAM MANAGEMENT PLAN (SPMP) IMPLEMENTATION SCHEDULE

Maine Turnpike Authority

MINIMUM CONTROL MEASURE #1 (MCM 1)

MPDES Permit Part IV(H) 1. Public education and outreach. The three goals of this minimum control measure are: 1. to raise awareness that polluted stormwater runoff is the most significant source of water quality problems in Maine's waters; 2. to motivate people to use Best Management Practices (BMPs) which reduce polluted stormwater runoff; and 3. to reduce polluted stormwater runoff as a result of increased awareness and utilization of BMPs. The permittee shall document changes in awareness and BMP adoption (behavior change) in target audiences.

MCM REQUIREMENT	BEST MANAGEMENT PRACTICES (BMPs)	METHODOLOGY/PURPOSE	MEASURABLE GOALS		ACHIEVEMENTS AND COMPLETED GOALS	DOCUMENTATION	RESPONSIBLE PARTY
a (i) Raise Awareness (Goal 1); Beginning July 1, 2008, each permittee shall continue raising awareness of stormwater issues amongst employees and contractors. *(1) Each permittee shall establish measurable goals. Progress on these goals must be reported annually for process indicators and in years 1 (background), 3 & 5 for impact indicators.* *(2) Each permittee shall include a review in its fifth year Annual Report. The review must include an analysis of the process indicators and impact indicators.*	Develop an Awareness Plan to raise awareness of stormwater issues amongst employees and contractors **Urban Impaired Stream (UIS) Strategy:** The Awareness Plan will place emphasis on raising awareness within MTA's two designated highest priority UIS watersheds (e.g., Hart Brook and Goosefare Brook).	*The Awareness Plan's will raise awareness of polluted stormwater runoff issues and will provide for assessment of process and impact indicators.*	**Year 1:**	**Develop an Awareness Plan for employees and contractors**	**Drafted an Awareness Plan for MTA employees and contractors**	**Maintain a copy of the Plan and associated documents (i.e., updated training, etc.)**	Environmental Services Coord'r and/or Designated Consultant
			Year 2:	Implement BMPs associated with Awareness Plan for employees and contractors			
			Years 3-5:	Continue following the time line and implementation schedule in Awareness Plan			
		Process indicators relate to the execution of the program (e.g., percent or number of employees attending training, additional information provided at a facility or job site).	**Year 1:**	**Assess process indicators as part of the Annual Report**	**A total of 111 MTA employees attended one of eight stormwater training sessions (each 3-hour sessions) conducted at each of the MTA highway maintenance facilities.** **The Awareness Plan was provided to MTA employees and reviewed during each training session.** **Each employee was tested on stormwater awareness topics (e.g., goals of Plan/MCM, sources of pollutants, etc.).**	**Maintain training documentation to assess process indicators, which include (but are not limited to) the following:** *** training schedules,** *** sign-in/attendance rosters,** *** test/evaluations, and** *** other materials (e.g., database)**	
			Year 2-5:	Assess process indicators as part of the Annual Report			
		Impact indicators relate to the achievement of the goals and objectives of the program (e.g., changing behavior as a result of training/information).	**Year 1:**	**Assess impact indicators as part of the Annual Report**	**The average test score for each of the 8 stormwater training sessions was 90% or higher (overall average: 92%).** **Please refer to the text of the annual progress report for an assessment of additional impact indicators**	**Conduct an evaluation (i.e., exam, pop-quiz, etc.) following training to measure awareness of stormwater pollution, BMPs and/or runoff issues**	
			Year 3 & 5:	Assess impact indicators as part of the Annual Report			
a (ii) Target BMP Adoption (Goal 2): Beginning July 1, 2008, each permittee shall continue outreach efforts from the previous permit cycle while encouraging employees and contractors to utilize BMPs that minimize stormwater pollution. *(1) Each permittee shall establish measurable goals. Progress on these goals must be reported annually for process indicators and in years 1 (background), 3 & 5 for impact indicators.* *(2) Each permittee shall include a review in its fifth year Annual Report. The review must include an analysis of the process indicators and impact indicators.*	Develop a BMP Adoption Plan for employees and contractors to minimize stormwater pollution **Urban Impaired Stream (UIS) Strategy:** The BMP Adoption Plan will place emphasis on utilizing target BMPs within MTA's two designated highest priority UIS watersheds (e.g., Hart Brook and Goosefare Brook).	Identify target BMPs to be utilized by employees nd contractors that minimize stormwater pollution	**Year 1:**	**Identify target BMPs to be utilized by employees and contractors**	**Drafted a BMP Adoption Plan for MTA employees and contractors**	**Maintain compliance with Chapter 500 standards, MOA requirements and/or MaineDOT BMP Manual for MTA projects constructed and maintained**	
			Year 2-5:	Implement BMPs and continue to identify additional BMPs that minimize stormwater pollution			
		Process indicators relate to the execution of the program	**Year 1:**	**Assess process indicators as part of the Annual Report**	**A total of 111 MTA employees attended one of eight stormwater training sessions (each 3-hour sessions) conducted at each of the MTA highway maintenance facilities.** **The BMP Adoption Plan was provided to MTA employees and reviewed during each training session.** **Each employee was tested on BMP-specific topics (e.g., structural versus non-structural, applicability, etc.).**	**Conduct inspections of work sites to provide a baseline for future assessment of process indicators**	
			Year 2-5:	Assess process indicators as part of the Annual Report			
		Impact indicators relate to the achievement of the goals and objectives of the program	**Year 1:**	**Assess impact indicators as part of the Annual Report**	**Please refer to the text of the annual progress report for an assessment of impact indicators**	**Maintain copies of training records, inspection logs for construction, maintenance activity records and/or other documents referenced in BMP Adoption Plan to demonstrate achievement of goals and program objectives.**	
			Year 3 & 5:	Assess impact indicators as part of the Annual Report			

Italic font = MS4 permit language
Blue font = Language from previous MS4 Plan
Red font = UIS Strategy
Bold font = Goals acheived during current permit year

TABLE 1

STORMWATER PROGRAM MANAGEMENT PLAN (SPMP) IMPLEMENTATION SCHEDULE

Maine Turnpike Authority

MINIMUM CONTROL MEASURE #1 (MCM 1) - continued

MPDES Permit Part IV(H) 1. Public education and outreach. The three goals of this minimum control measure are: 1. to raise awareness that polluted stormwater runoff is the most significant source of water quality problems in Maine's waters; 2. to motivate people to use Best Management Practices (BMPs) which reduce polluted stormwater runoff; and 3. to reduce polluted stormwater runoff as a result of increased awareness and utilization of BMPs. The permittee shall document changes in awareness and BMP adoption (behavior change) in target audiences.

MCM REQUIREMENT	BEST MANAGEMENT PRACTICES (BMPs)	METHODOLOGY/PURPOSE	MEASURABLE GOALS		ACHIEVEMENTS AND COMPLETED GOALS	DOCUMENTATION	RESPONSIBLE PARTY
a(iii) Compliance with this MCM will be based upon: ***(1) Continued existing education and outreach efforts*** (existing efforts from pervious 5-year Plan are indicated in blue text)***;*** *(2) Reported process and impact indicators; and (3) Completed annual reports and a 5-year analysis of the plans.*	a. Conduct training to address pollution reduction in stormwater runoff for MTA employees	Ensure MTA employees are educated and appropriately trained	**Year 1:**	**Continue Stormwater Training Program for MTA staff**	**A total of 111 MTA employees were trained as part of MTA's stormwater training program, which was continued and revised to include (but not limited to):** *** Erosion prevention and sedimentation control, including construction and post-construction BMPs, O&M and inspection requirements; and** *** Information on priority UIS watersheds (e.g., Hart Brook, Goosefare Brook), as well as Long Creek (a non-UA watershed)**	**Maintain stormwater training schedule, rosters, quizzes, etc.**	Environmental Services Coord'r and/or Public (Government and Community) Relations Office
			Year 2-5:	Continue Stormwater Training Program for MTA staff			
Urban Impaired Stream (UIS) Strategy: Information regarding MTA's two designated highest priority UIS watersheds will be incorporated into the existing education and outreach efforts continued from previous MS4 permit cycle..	b. Require contractors to maintain an on-site responsible party (OSRP) who is traing in erosion and sediment control	Ensure that OSRP has the authority to promptly remedy any deficient controls	**Year 1:**	**Continue to obtain Erosion and Sedimentation Control (ESC) certification from contractors' OSRP**	**MTA continues to requireContractors to submit training documentation for ESC certification during preconstruction meetings.** **Standard contract documents remain in place stipulating that a qualified OSRP is on-site and authorized to remedy ESCs appropriately.**	**Maintain ESC certification documents from contractors**	
			Year 2-5:	Continue to obtain ESC certification from contractors' OSRP			
	c. Continue to coordinate with local groups as appropriate	Ensure that MTA continues to coordinate with the public, municipalities, MaineDOT, ISWG, etc. regarding stormwater information	**Year 1:**	**Address stormwater topics at meetings and on MTA website**	**MTA continues to coordinate with others on important stormwater issues (including MTA's two priority UIS watersheds) by:** **(1) participating in the Greater Portland ISWG;** **(2) attending Watershed Management Planning meetings for UIS watersheds (i.e., Long Creek, Hart Brook, etc.);** **(3) contributing to the DEP's "Think Blue" campaign;** **(4) including information on stormwater in newsletters, internal and public meetings, etc.; and** **(5) maintaining an environmental link on the MTA website, including a link to the CCSWCD yardscape program.**	**Maintain log of meetings and update of website**	
			Year 2-5:	Address stormwater topics at meetings and on MTA website			

Italic font = MS4 permit language
Blue font = Language from previous MS4 Plan
Red font = UIS Strategy
Bold font = Goals acheived during current permit year

TABLE 1

STORMWATER PROGRAM MANAGEMENT PLAN (SPMP) IMPLEMENTATION SCHEDULE

Maine Turnpike Authority

MINIMUM CONTROL MEASURE #2 (MCM 2)

MPDES Permit Part IV(H) 2. Public involvement and participation. *The goal of this minimum control measure is to involve the permittee's community including various departments, bureaus or facilities, and when applicable involve regulated small MS4 communities in both the planning and implementation proess of improving water quality and reducing quantity via the stormwater program. An active and involved participation process is crucial to the success of a stormwater management program because it allows for broader support, addition expertise and a conduit to other programs.*

MCM REQUIREMENT	BEST MANAGEMENT PRACTICES (BMPs)	METHODOLOGY/PURPOSE	MEASURABLE GOALS		ACHIEVEMENTS AND COMPLETED GOALS	DOCUMENTATION	RESPONSIBLE PARTY
a(i) Public notice requirements. The permittee shall comply with applicable state and local Pulic Notice requirements using effective mechanisms for reaching the public, and comply with the public notice requirements of the Maine Freedom of Access Act, 1 M.R.S.A. 4401 et seq. ("FOAA") when the permittee involves stakeholders in the mplementation of this general permit. The permittee shall document the meetings and attendance through the annual report as a way of mesuring this goal.	Ensure that appropriate public notice requirements are met when public meetings are held that address stormwater topics	Comply with applicable state and local Public Notice requirements using effective mechanisms for reaching the public, and comply with the public notice requirements of the Maine Freedom of Access Act, 1 M.R.S.A. 401 et seq. ("FOAA") when the permittee involves stakeholders in the implementation of this general permit. The permittee shall document the meetings and attendance through the annual report as a way of measuring this goal.	**Year 1:**	**Continue to ensure all public meetings that address stormwater meet FOAA requirements**	**Public notices continue to be executed in accordance with FOAA requirements.** **A list of meetings, including a MTA Board Meeting on December 16, 2008 that was open to the public and included many stormwater topics, is presented as Attachment B to this annual report.**	**Maintain written public notice policy that complies with FOAA requirements, public notice announcements and a log of applicable meetings**	Environmental Services Coord'r and/or Public (Government and Community) Relations Office
			Year 2-5:	Continue to ensure all public meetings that address stormwater meet FOAA requirements			
a(ii) Coordinate with regulated communities. The permittee shall coordinate efforts by providing information on planned activities to Regulated Small MS4 municipal stormwater coordinators. The permittee shall develop a strategy to ensure involvement, mutual cooperation and coordination with the Regulated Small MS4 municipalities, and report on such efforts annually pursuant to Part IV(J) on joint efforts, meetings attended, projects and coordination.	Coordinate with host MS4 communities, as well as MaineDOT, by sharing information on planned activities	Contact each host MS4 community to identify the respective stormwater coordinator	**Year 1:**	**Compile list of Stormwater Coordinators for host MS4 communities**	**A list of Stormwater Coordinators for host MS4 communities was developed based on participation in ISWG meetings and watershed management planning efforts attended by MTA.**	**Maintain list of Stormwater Coordinators for each host MS4 community**	
			Year 2-5:	Communicate with host MS4 communities via the designated Stormwater Coordinator			
		Report annually on involvement, mutual cooperation and coordination with host MS4s	**Year 1:**	**Develop strategy for coordinating with host MS4s and document subsequent coordination**	**MTA continues to be closely involved with respect to evolving stormwater management requirements of UIS, in particular Hart Brook within UA (but also Long Creek, outside UA).** **Additionally, MTA participated in the DEP's "Think Blue" media campaign.**	**Summarize coordination in each annual report**	
			Years 2-5:	Develop strategy for coordinating with host MS4s and document subsequent coordination			

Italic font = MS4 permit language
Blue font = Language from previous MS4 Plan
Red font = UIS Strategy
Bold font = Goals acheived during current permit year

TABLE 1

STORMWATER PROGRAM MANAGEMENT PLAN (SPMP) IMPLEMENTATION SCHEDULE

Maine Turnpike Authority

MINIMUM CONTROL MEASURE #3 (MCM 3)

MPDES Permit Part IV(H) 3. Illicit Discharge Detection and Elimination (IDDE). *Each permittee must develop, implement and enforce a program to detect and eliminate illicit discharges and non-stormwater discharges, as defined in 06-096CMR521(9)(b)(2), except as provided in Part IV(H)3(b) of this permit.*

MCM REQUIREMENT	BEST MANAGEMENT PRACTICES (BMPs)	METHODOLOGY/PURPOSE	MEASURABLE GOALS		ACHIEVEMENTS AND COMPLETED GOALS	DOCUMENTATION	RESPONSIBLE PARTY
a. (i) By June 30, 2013,, each permittee shall develop a watershed-based storm sewer system infrastructure map of its respective MS4 within the UA showing all stormwater catch basins, connecting surface and subsurface infrastructure depicting the direction of in-flow and out-flow pipes, and the locations of all discharges from all outfalls operated by the permittee.	Develop watershed-based Storm Sewer System Infastructure Maps for MTA Facility within UA **Urban Impaired Stream (UIS) STRATEGY:** Priority will be given to mapping of UIS watersheds within UA. For example, the MGs listed for PY1 through PY5 will be conducted in PY1 for CBs and OFs within UA.	*Each catch basin must be uniquely identified:* *-to facilitate control of potential illicit discharges, and* *-to ensure proper operation and maintenance of the structures.* *For each outfall, the following information must be included:* *-type, material, and size of conveyance;* *-outfall or channelized flow;* *-the name and location of the immediate surface waterbody or wetland to which the stormwater runoff discharges.* *If an outfall does not discharge directly to a named waterbody, identify the name and location of the nearest named waterbody to which the outfall eventually discharges.*	Year 1:	**Review existing MS4 maps that were compiled as part of the previous MS4 permit**	**MTA maintains existing MS4 maps which were completed as part of previous MS4 permit. These maps were developed using 2000 Census data which is a requirement of the current MS4 permit.**	**Maintain inventory of maps for portions of MTA facility within UA**	Environmental Services Coordinator and/or Designated Consultant
				Identify potential updates to UA maps that must be made to meet these new IDDE requirements before June 2013	**No potential updates to UA maps were idenitified during PY1. When MTA's MS4 maps and associated database were created, the specific information required (i.e., unique identifier, type/size of conveyance, immediate surface waterbody, etc.) was collected and is maintained in the database.**	**Maintain punchlist of potential upgrades to maps**	
			Year 2:	Ensure that maps include all CBs and subsurface infrastructure depicting flow directions		Maintain updated maps that include: - uniquely identified CBs and associated surfaces - flow directions - outfall description (e.g., type, material, size)	Environmental Services Coordinator and/or Designated Consultant
				Ensure that maps include details pertaining to construction of each outfall			
			Year 3:	Revise maps to include connecting surface associated with CBs			
				Revise maps to include the name and location of immediate surface waterbody or wetland to which each outfall discharges			
			Year 4-5:	Revise maps to identify receiving waters for oufalls that do not directly discharge to a named waterbody			
a. (ii) Each permittee shall develop and implement a prioritized dry weather outfall inspection plan based on drainage areas such as an urban impaired stream watershed, or based on a watershed or sub-watershed that the permittee has identified as having the greatest potential threat to the receiving water.	Develop prioritized dry weather inspection program **Urban Impaired Stream (UIS) STRATEGY:** Priority will be given in Year 1 to conducting dry weather inspections of outfalls that discharge to MTA's two highest priority watersheds. Although not located within UA, MTA will expand dry weather inspection of outfalls to include MTA right-of-way (ROW) that intersects with the Long Creek watershed. .	*Develop a defined standard operating procedure (SOP), procedure and policy for identifying illicit discharges during dry weather inspections and the detailed steps to locate and eliminate the source*	**Year 1:**	**Review, develop and/or update the SOP, policy and protocol for identifying illicit discharges during dry weather inspections**	**MTA's IDDE SOP was reviewed and is being updated to ensure that the SOP is compliant with new MS4 permit requirements.**	**Retain written notification policy for consistently reporting suspected illicit discharges internally and externally**	Environmental Services Coordinator and/or Designee
			Year 2-5:	Implement a defined SOP with detailed steps that must be taken to locate and eliminate the source of an illicit discharge when it is identified during these inspections		Maintain source location determinations, as well as corrective actions taken to eliminate the illicit connection/discharge	
		Conduct dry weather inspection of outfalls within UIS watersheds in UA	**Year 1:**	**Conduct a dry weather inspection of outfalls that discharge to the two highest priority watersheds (e.g., Hart Brook and Goosefare Brook)**	**Dry weather inspections of outfalls that discharge to the two highest priority watersheds (Hart Brook and Goosefare Brook) were conducted by highway maintenance personnel during PY1.**	**Document dry weather inspections within UIS watersheds**	Environmental Services Coordinator and/or Highway Maintenance Supervisor
			Year 2-5:	Expand the dry weather inspection of outfalls to include any remaining UIS within UA			

Italic font = MS4 permit language
Blue font = Language from previous MS4 Plan
Red font = UIS Strategy
Bold font = Goals acheived during current permit year

TABLE 1

STORMWATER PROGRAM MANAGEMENT PLAN (SPMP) IMPLEMENTATION SCHEDULE

Maine Turnpike Authority

MINIMUM CONTROL MEASURE #3 (MCM 3) - continued

MPDES Permit Part IV(H) 3. Illicit Discharge Detection and Elimination (IDDE). *Each permittee must develop, implement and enforce a program to detect and eliminate illicit discharges and non-stormwater discharges, as defined in 06-096CMR521(9)(b)(2), except as provided in Part IV(H)3(b) of this permit.*

MCM REQUIREMENT	BEST MANAGEMENT PRACTICES (BMPs)	METHODOLOGY/PURPOSE	MEASURABLE GOALS		ACHIEVEMENTS AND COMPLETED GOALS	DOCUMENTATION	RESPONSIBLE PARTY
a. (iii) By the end of permit year five, to the extent allowable under State or local law, MaineDOT/MTA shall develop and implement a strategy to detect any illicit discharges to their open ditch system within their two highest priority watersheds.	Establish a strategy for addressing illicit discharges to open ditch systems within two highest priority watersheds (e.g., Hart Brook and Goosefare Brook)	Utilize **existing mechanisms** (e.g., IDDE Notification Form, Mobile SPCC Plan Spill Reporting, Highway Safety Incident Response, Annual Comprehensive Inspection conducted by HNTB) to provide consistent protocol for internal reporting through an established chain-of-command, which establishes a central point of contact for MTA to notify state and municipal enforcement authorities	**Year 1:**	**Review for potential revisions to existing mechanisms to document any detected illicit discharges in open ditch system**	**MTA's Spill Report Form was updated to include illicit discharge detection information.** **Other existing mechanisms were evaluated during Permit Year 1 and will continue to be considered to ensure illicit discharges are eliminated from open ditch systems within UA.**	**Maintain source location determinations, as well as corrective actions taken to eliminate the illicit connection/discharge**	Environmental Services Coordinator and/or Designated Consultant
			Year 2:	Implement revisions to document illicit discharges detected in open ditch system within MTA's two highest priority watersheds, as necessary			
			Year 3-5:	Continue to document illicit discharges detected in open ditch system within MTA's two highest priority watersheds, as necessary			
b. This permit authorizes non-stormwater discharges provided they do not contribute to a violation of water quality standards, as determined by the Department; these discharges must be addressed in the Plan if they are identified by the permittee as significant contributors of pollutants to the regulated small MS4.	Modify this Plan, as necessary, to address non-stormwater discharges that are identified as significant contributors of pollutants to the MS4	Ensure that this SPMP addresses identified non-stormwater discharges that are considered significant contributors of pollutants to the regulated MS4	**Year 1:**	**Identify and document non-stormwater discharges as they are discovered during dry weather inspections, mapping, etc.**	**No non-stormwater discharges have been discovered during Permit Year 1**	**Maintain log of identified non-stormwater discharges that potentially contribute to a violation of water quality standards**	Environmental Services Coordinator and/or Designated Consultant
				Revise the SPMP and this implementation schedule as necessary	**No non-stormwater discharges have been discovered during Permit Year 1, therefore, no revisions to the SPMP are necessary at this time**		
			Year 2-5:	Identify and document non-stormwater discharges as they are discovered during dry weather inspections, mapping, etc.			Environmental Services Coordinator and/or Designated Consultant
				Revise the SPMP and this implementation schedule as necessary			

Italic font = MS4 permit language
Blue font = Language from previous MS4 Plan
Red font = UIS Strategy
Bold font = Goals acheived during current permit year

TABLE 1

STORMWATER PROGRAM MANAGEMENT PLAN (SPMP) IMPLEMENTATION SCHEDULE

Maine Turnpike Authority

MINIMUM CONTROL MEASURE #4 (MCM 4)

MPDES Permit Part IV(H) 4. Construction site runoff control. *Develop, implement and enforce a program or modify an existing program, to reduce pollutants in any stormwater runoff from construction activities that result in a land disturbance of greater than or equal to one acre. Reduction of stormwater discharges from construction activity disturbing less than one acre must be included in the program if that construction activity is part of a larger common plan of development or sale that would disturb one acre or more. Each permittee must include standard operating procedures for addressing and implementing compliance and enforcement actions.*

MCM REQUIREMENT	BEST MANAGEMENT PRACTICES (BMPs)	METHODOLOGY/PURPOSE	MEASURABLE GOALS		ACHIEVEMENTS AND COMPLETED GOALS	DOCUMENTATION	RESPONSIBLE PARTY
The program will include, but not be limited to, the development and implementation of the Memorandum of Agreement (MOA) between MDEP, MTA and MDOT.	Develop and implement MEPDES MOA that establishes a program to reduce pollutants in stormwater runoff from construction activities at regulated projects. **UIS Strategy:** Additional BMPs in the two highest priority UIS watersheds will be addressed in the proposed MOA.	Development of a MEPDES MOA will provide permit coverage to MTA and MaineDOT associated with the duplicative requirements of the three MEPDES programs: MS4 GP, MCGP and MSGP. The proposed MOA will be reasonably consistent with the standards established by the DEP in MCMs #4 through #6 of this MS4 General Permit (GP), as well as the Maine Construction General Permit (MCGP) and DEP's Multi-Sector General Permit (MSGP).					Environmental Services Coordinator and/or Designee
			Year 1:	**Develop MEPDES MOA with DEP in a coordinated effort with MaineDOT**	**MTA implemented Erosion and Sedimentation Control (ESC) practices, including daily construction inspection requirements and BMPs at all MTA sites (even those less than one acre - in accordance with Chapter 500 MOA).** **Through binding contract language, MTA continues to require contractors (1) to comply with Chapter 500 standards for all projects; and (2) to provide NPS training certification for each OSRP.**	**Maintain documentation associated with MOA development process with DEP**	
			Year 2:	Finalize MEPDES MOA and identify specific requirements		Maintain a copy of the established MEPDES MOA	
			Year 3-5:	Implement MEPDES MOA and prepare annual MOA report		Maintain records for projects to be included in annual MOA report and associated records	

MINIMUM CONTROL MEASURE #5 (MCM 5)

MPDES Permit Part IV(H) 5. Post-construction stormwater management in new development and redevelopment.

MCM REQUIREMENT	BEST MANAGEMENT PRACTICES (BMPs)	METHODOLOGY/PURPOSE	MEASURABLE GOALS		ACHIEVEMENTS AND COMPLETED GOALS	DOCUMENTATION	RESPONSIBLE PARTY
a. Required							
(i) Each permittee shall develop, implement, and enforce a program to address stormwater runoff from new development and redevelopment projects that disturb greater than or equal to one acre, including projects less than one acre that are part of a larger common plan of development or sale, that discharge directly to waters of the State other than groundwater.	Develop and implement MEPDES MOA that establishes a program for new development and redevelopment that addresses stormwater runoff from projects that disturb one acre or more discharging directly to waters of the State. *This program must ensure that controls are in place that are designed to prevent or minimize water quality impacts.*	Development of a MEPDES MOA will provide permit coverage to MTA and MaineDOT associated with the duplicative requirements of the three MEPDES programs: MS4 GP, MCGP and MSGP. The proposed MOA will be reasonably consistent with the standards established by the DEP in MCMs #4 through #6 of this MS4 General Permit (GP), as well as the Maine Construction General Permit (MCGP) and DEP's Multi-Sector General Permit (MSGP).	**Year 1:**	**Develop MEPDES MOA with DEP in a coordinated effort with MaineDOT**	**Although a MEPDES MOA was not developed with DEP, MTA continues to address stormwater runoff from new development and redevelopment projects of all sizes, within UA and throughout MTA's ROW. However, there were no projects identified in Permit Year 1 that "discharge directly to waters of the State."**	**Maintain documentation associated with MOA development process with DEP**	Environmental Services Coordinator and/or Designee
			Year 2:	Finalize MEPDES MOA and identify specific requirements		Maintain a copy of the established MEPDES MOA	
			Year 3-5:	Implement MEPDES MOA and prepare annual MOA report		Maintain records for projects to be included in annual MOA report and associated records	
(ii) Each permittee shall develop and implement strategies that include a combination of structural and/or non-structural best management practices (BMPs) appropriate for its regulated small MS4.	Develop and implement MEPDES MOA that addresses strategies that include appropriate structural and non-structural BMPs.		**Year 1:**	**Develop MEPDES MOA with DEP in a coordinated effort with MaineDOT**	**MTA continues to train employees internally to identify appropriate strategies that include both structural and non-structural BMPs, as well as rely on design engineers to meet Chapter 500 standards**	**Maintain documentation associated with MOA development process with DEP**	Environmental Services Coordinator and/or Designee
			Year 2:	Finalize MEPDES MOA and identify specific requirements		Maintain a copy of the established MEPDES MOA	
			Year 3-5:	Implement MEPDES MOA and prepare annual MOA report		Maintain records for projects to be included in annual MOA report and associated records	
(iii) To ensure adequate long-term operation and maintenance of post construction BMPs, each permittee shall develop, as part of its Stormwater Program Management Plan, an approved BMP inspection schedule that at a minimum stipulates that new BMPs are inspected at least once during the first year of installation.	Develop and implement MEPDES MOA that includes guidelines for post-construction BMPs inspections. *Post construction BMP inspections must determine if the BMP is adequately maintained and is functioning as intended or requires maintenance. If the post construction BMP requires maintenance, provide a record of the deficiency and corrective action(s) taken.*	*Each permittee shall include the following in their annual report:* *-the cumulative number of post construction BMPs discharging directly into waters of the State other than groundwater or into their separate storm sewer system;* *-the number of sites with documented functioning post construction BMPs; and* *-the number of sites requiring routine maintenance or remedial action to ensure that the post construction BMP is functioning as intended.*	**Year 1:**	**Develop MEPDES MOA with DEP in a coordinated effort with MaineDOT**	**MTA has developed an O&M schedule that incorporates annual inspection requirements for all newly installed structural BMPs.** **- No signficant projects with BMPs were identified within UA in Permit Year 1 (even newly constructed MTA Headquarters is located oustide UA).** **- Therefore, no development/redevelopment sites within UA were identified as discharging directly into waters of the State in Permit Year 1.** **- Although no sites were located within UA and/or identified during Permit Year 1, MTA continues to monitor ROW for existing BMPs that require maintenance to ensure that they function as intended.**	**Maintain documentation associated with MOA development process with DEP**	Environmental Services Coordinator and/or Designee
			Year 2:	Finalize MEPDES MOA and identify specific requirements		Maintain a copy of the established MEPDES MOA	
			Year 3-5:	Implement MEPDES MOA and prepare annual MOA report		Maintain records for projects to be included in annual MOA report and associated records	

Italic font = MS4 permit language
Blue font = Language from previous MS4 Plan
Red font = UIS Strategy
Bold font = Goals acheived during current permit year

TABLE 1

STORMWATER PROGRAM MANAGEMENT PLAN (SPMP) IMPLEMENTATION SCHEDULE

Maine Turnpike Authority

MINIMUM CONTROL MEASURE #6 (MCM 6)

MPDES Permit Part IV(H) 6. Pollution prevention (P2)/good housekeeping in community/facility operations. *This MCM has the ultimate goal of preventing or reducing reducing pollutant runoff from MaineDOT's/MTA's roads, other paved surfaces, infrastructure, and facilities through the development and implementation of an operation and maintenance (O&M) program. The O&M program must include the following:*

MCM REQUIREMENT	BEST MANAGEMENT PRACTICES (BMPs)	METHODOLOGY/PURPOSE	MEASURABLE GOALS		ACHIEVEMENTS AND COMPLETED GOALS	DOCUMENTATION	RESPONSIBLE PARTY
a. Required							
i. By the end of permit year one, each permittee shall develop an inventory of potential pollutant sources and associated operations conducted in, on or associated with facilities, buildings, roads, travel ways including right-of-way owned or operated by the permittee that have the potential to cause or contribute to stormwater or surface water pollution. By the end of permit year two, the permittee shall develop written operation and maintenance procedures that include maintenance schedules and inspection procedures to ensure long term operation of structural and non-structural controls and reduce stormwater pollution to the maximum extent possible.	Develop and implement MEPDES MOA that includes an O&M Plan that addresses potential pollutant sources and O&M procedures, such as: ***(1) proper use, storage and disposal of petroleum and non petroleum products, hazardous materials, waste materials, pesticides and fertilizers including minimizing the use of these products, and an alternative product analysis;*** ***(2) spill response and prevention;*** ***(3) vehicle and equipment storage, maintenance and fueling;*** ***(4) landscaping and lawn care including, where applicable and not subject to other federal regulations, an evaluation of reduced mowing frequencies, establishing and maintaining buffers, cutting vegetation within 100 feet of a stormwater conveyance or surface water;*** ***(5) erosion and sedimentation control; and*** ***(6) disposal of road-killed wildlife.***	Development of a MEPDES MOA will provide permit coverage to MTA and MaineDOT associated with the duplicative requirements of the three MEPDES programs: MS4 GP, MCGP and MSGP. The proposed MOA will be reasonably consistent with the standards established by the DEP in MCMs #4 through #6 of this MS4 General Permit (GP), as well as the Maine Construction General Permit (MCGP) and DEP's Multi-Sector General Permit (MSGP).	**Year 1:**	**Develop MEPDES MOA with DEP in a coordinated effort with MaineDOT**	**MTA developed and implemented an O&M schedule for newly installed BMPs located throughout MTA's ROW, not just within UA, during Permit Year 1.** **MTA does not operate any of these newly installed BMPs and/or Maintenance Garages within UA. Furthermore, MTA does not anticipate that petroleum and/or non-petroleum products (e.g., potential pollutant sources) to be stored, used or disposed of within UA areas. However, MTA already maintains the following policies, procedures and plans:** **(1) Spill Prevention, Control and Countermeasures (SPCC) Plans with integrated Stormwater Pollution Prevention Measures for all MTA Highway/Equipment Maintenance Garages that address the proper use, storage and disposal of petroleum products, as well as non-petroleum products and other hazardous materials;** **(2) Spill response and prevention measures have been established at these facilities in the SPCC Plans, as well as in MTA's Mobile SPCC Plan that is implemented throughout all MTA ROW;** **(3) The integrated stormwater pollution prevention measures incorporated in these Plans address vehicle and equipment storage practices, maintenance and refueling;** **(4) Post-construction requirements for newly installed structural BMPs, including an O&M schedule for mowing and inspections in accordance with applicable Chapter 500 requirements, were developed during Permit Year 1;** **(5) Construction and post-construction inspection requirements have been implemented for all projects (even those less than 1 acre) have been implemented in accordance with the Chapter 500 MOA;**	**Maintain documentation associated with the O&M schedule and other existing documents relevant to implementing MCM 6**	Environmental Services Coordinator and/or Designee
			Year 2:	Finalize MEPDES MOA and identify specific requirements		Maintain a copy of the established MEPDES MOA	
			Year 3-5:	Implement MEPDES MOA and prepare annual MOA report		Maintain records for projects to be included in annual MOA report and associated records	
ii. Using training materials that are available from the EPA, the State, regional stormwater groups or other organizations, Guidelines and Standard Operating Procedures for Stormwater Phase II Communities in Maine volumes 1 and 2, and the ThinkBlueMaine website, this program must include employee training to prevent and reduce stormwater pollution from permittee operations and facilities. The permittee shall report annually on the types of training presented, the number of employees and contractors that received training, the length of the training and training effectiveness.	Develop Stormwater Pollution Reduction Training Program for contractors and MTA employees **UIS Strategy:** Revise Stormwater Training Program to include additional information pertaining to UIS watersheds and additional BMPs	The existing training programs conducted for MTA employees will be reviewed and updated, as necessary, to include additional information pertaining to stormwater pollution prevention and ESC BMPs from the resources detailed in the GP. Because MTA does not conduct training for contractors, MTA will rely on contractors to become certified through the DEPs Non-Point Source Training Center or an equivalent program. Contractors will provide proof of certification to MTA as part of the Training Program	**Year 1:**	**Conduct existing training program that addresses stormwater pollution provention, as well as erosion and sediment control**	**As previously detailed in MCM 1,MTA's SPCC training program was conducted in May and June 2009 and included stormwater pollution prevention, as well as erosion and sediment controls, construction and post-construction inspections and BMP requirements.**	**See MCM #1**	See MCM #1
				Revise existing training program to incorporate additional information from resources identified in GP	**Training program was revised to include information and resources identified in the GP.**		
				Review current files to ensure that contractors are certified by DEP in stormwater pollution prevention, as well as erosion and sediment control	**MTA continues to rely on the DEP's NPS Training Program to certify contractors; but MTA obtains ESC certification from all contractor's OSRPs.**		
				Include the required training information in the annual report	**Completed training documentation is included as part of the PY1 Annual Report.**		
			Year 2-5:	Continue training program and annual reporting			

Italic font = MS4 permit language
Blue font = Language from previous MS4 Plan
Red font = UIS Strategy
Bold font = Goals acheived during current permit year

TABLE 1

STORMWATER PROGRAM MANAGEMENT PLAN (SPMP) IMPLEMENTATION SCHEDULE

Maine Turnpike Authority

MINIMUM CONTROL MEASURE #6 (MCM 6) - continued

MPDES Permit Part IV(H) 6. Pollution prevention (P2)/good housekeeping in community/facility operations. *This MCM has the ultimate goal of preventing or reducing reducing pollutant runoff from MaineDOT's/MTA's roads, other paved surfaces, infrastructure, and facilities through the development and implementation of an operation and maintenance (O&M) program. The O&M program must include the following:*

MCM REQUIREMENT	BEST MANAGEMENT PRACTICES (BMPs)	METHODOLOGY/PURPOSE	MEASURABLE GOALS		ACHIEVEMENTS AND COMPLETED GOALS	DOCUMENTATION	RESPONSIBLE PARTY
a. Required							
iii. Each permittee shall develop and implement a program to sweep all paved streets and parking lots maintained by the permittee at least once a year as soon as possible after snowmelt.	Develop and implement MEPDES MOA that includes an O&M Plan that addresses sweeping of paved surfaces	Development of a MEPDES MOA will provide permit coverage to MTA and MaineDOT associated with the duplicative requirements of the three MEPDES programs: MS4 GP, MCGP and MSGP. The proposed MOA will be reasonably consistent with the standards established by the DEP in MCMs #4 through #6 of this MS4 General Permit (GP), as well as the Maine Construction General Permit (MCGP) and DEP's Multi-Sector General Permit (MSGP).	**Year 1:**	**Develop MEPDES MOA with DEP in a coordinated effort with MaineDOT**	**Although a MEPDES MOA was not developed during Permit Year 1, MTA continued to implement the existing annual sweeping program for the mainline and associated areas.**	**Maintain documentation associated with MOA development process with DEP**	Environmental Services Coordinator and/or Designated Consultant
			Year 2:	Finalize MEPDES MOA and identify specific requirements		Maintain a copy of the established MEPDES MOA	
			Year 3-5:	Implement MEPDES MOA and prepare annual MOA report		Maintain records for projects to be included in annual MOA report and associated records	
	Continue existing annual sweeping program established under previous MS4 permit cycle **UIS Strategy:** Priority will be given to sweeping within two highest priority UIS watersheds as soon as possible after snowmelt.		**Year 1:**	**Continue to implement MTA's existing annual sweeping program**	**Sweeping was conducted within all UA with priority given to sweeping within UIS watersheds (Hart Book and Goosefare Brook) as soon as possible after snow melt.**	**Maintain O&M documents for sweeping program**	Highway Maintenance staff
			Year 2-5:	Continue to implement MTA's existing annual sweeping program		Maintain O&M documents for sweeping program	Highway Maintenance staff
iv. The permittee shall develop and implement a program to evaluate and, if necessary, clean catch basins and other stormwater structures that accumulate sediment at least once every other year and dispose of the removed sediments in accordance with current state law.	Develop and implement MEPDES MOA that includes an O&M Plan that addresses CB inspections and cleanouts **UIS Strategy:** Priority will be given to cleaning out catch basins within two highest priority UIS watersheds before others within UA.		**Year 1:**	**Develop MEPDES MOA with DEP in a coordinated effort with MaineDOT**	**MTA continues to clean out catch basins of accumulated sediments and debris on an annual basis. Remove sediments are disposed of accordance with an existing Memorandum of Understanding (MOU) with DEP.**	**Maintain documentation associated with MOA development process with DEP**	Environmental Services Coordinator and/or Designated Consultant
			Year 2:	Finalize MEPDES MOA and identify specific requirements		Maintain a copy of the established MEPDES MOA	
			Year 3-5:	Implement MEPDES MOA and prepare annual MOA report		Maintain records for projects to be included in annual MOA report and associated records	
	Continue existing annual catch basin cleanout program established under previous MS4 cycle		**Year 1:**	**Continue to implement MTA's existing annual catch basin cleanout program**	**Catch basins were cleaned out and IDDE inspection logs and catch basin cleanout logs are maintained at each MTA highway maintenance facility.**	**Maintain O&M documents for catch basin cleanout program**	Highway Maintenance staff
			Year 2-5:	Continue to implement MTA's existing annual catch basin cleanout program		Maintain O&M documents for catch basin cleanout program	Highway Maintenance staff
v. The permittee shall evaluate and implement a prioritized schedule, as necessary, for repairing or upgrading conveyances, structures and outfalls of the regulated small MS4.	Develop and implement MEPDES MOA that includes an O&M Plan that includes a prioritized schedule for repairing and upgrading MS4 associated infrastructure.		**Year 1:**	**Develop MEPDES MOA with DEP in a coordinated effort with MaineDOT**	**As part of the annual MS4 inspection and cleanout program already developed by MTA, any potential repairs are identified thus triggering the required repair, as needed. Furthermore, MTA's primary construction contractor (HNTB) conducts an annual inspection of MTA ROW and identifies necessary upgrades to conveyances not only in UA, but throughout all of MTA's ROW.**	**Maintain documentation associated with MOA development process with DEP**	Environmental Services Coordinator and/or Designated Consultant
			Year 2:	Finalize MEPDES MOA and identify specific requirements		Maintain a copy of the established MEPDES MOA	
			Year 3-5:	Implement MEPDES MOA and prepare annual MOA report		Maintain records for projects to be included in annual MOA report and associated records	
	Continue existing annual comprehensive inspection of MTA infrastructure and operations conducted by HNTB **UIS Strategy:** Additional information will be provided in the inspection report regarding conveyances, outfalls, etc. in the two highest priority watersheds		**Year 1:**	**Continue to implement MTA's existing annual comprehensive inspection program of all infrastructure/ operations**	**HNTB continues to conduct an annual inspection of the MTA ROW, which is supplemented by dry weather inspections conducted by MTA's Highway Maintenance and/or Engineering departments.**	**Maintain annual inspection report with recommendations for upgrades and repairs**	HNTB's MTA contract services staff
			Year 2-5:	Continue to implement MTA's existing annual comprehensive inspection program of all infrastructure/operations		Maintain annual inspection report with recommendations for upgrades and repairs	HNTB's MTA contract services staff
vi. By the end of permit year two, the permittee shall develop and implement a stormwater pollution prevention plan ("SWPPP") for vehicle maintenance facilities operated by the permittee within the UA unless the facility is currently regulated under Maine's Industrial Stormwater Program.	Develop and implement MEPDES MOA that includes an O&M Plan that addresses SWPPP requirements for vehicle maintenance facilities within UA		**Year 1:**	**Develop MEPDES MOA with DEP in a coordinated effort with MaineDOT**	**Other than the proposed development of a MEPDES MOA with DEP, no action is required until Permit Year 2.**	**Maintain documentation associated with MOA development process with DEP**	Environmental Services Coordinator and/or Designated Consultant
			Year 2:	Finalize MEPDES MOA and identify specific requirements		Maintain a copy of the established MEPDES MOA	
			Year 3-5:	Implement MEPDES MOA and prepare annual MOA report		Maintain records for projects to be included in annual MOA report and associated records	

Italic font = MS4 permit language
Blue font = Language from previous MS4 Plan
Red font = UIS Strategy
Bold font = Goals acheived during current permit year

ATTACHMENT A

TRAINING DOCUMENTS

MAINE TURNPIKE AUTHORITY

ANNUAL ENVIRONMENTAL TRAINING

- *OIL SPILL PREVENTION CONTROL AND COUNTERMEASURES (SPCC)*
- *STORMWATER POLLUTION PREVENTION*
- *EROSION & SEDIMENTATION CONTROL*

Prepared and conducted by

GZA GeoEnvironmental, Inc.

MAY 2009

MAINE TURNPIKE AUTHORITY

ANNUAL ENVIRONMENTAL TRAINING

- ***OIL SPILL PREVENTION CONTROL AND COUNTERMEASURES (SPCC)***
- ***STORMWATER POLLUTION PREVENTION***
- ***EROSION & SEDIMENTATION CONTROL***

Prepared and conducted by
GZA GeoEnvironmental, Inc.
MAY 2009

1

TRAINING OVERVIEW:

- Review MTA's Plans and BMPs
- Spill Response procedures and notifications
- Review stormwater management requirements
  - Urbanized Areas
  - Urban Impaired Streams
- Highlight Erosion and Sedimentation Control (ESC) requirements for all MTA projects

Let's start with SPCC requirements first….

1

SPCC Regulatory Background

- Federal Regulations set standard
  - EPA's Oil Pollution Prevention Regulations (40 CFR 112)
- Supplemental State Rules
  - CMR Chapter 800 and 801 -- Identification and Remediation of Oil and Hazardous Matter

1

SPCC Regulatory Background

ENFORCEMENT OF REGULATIONS

- EPA conducts unannounced inspections and may assess penalties up to $27,500 per day
  - Aggressive Enforcement Program!!
- DEP may also inspect facilities

1

SPCC Regulatory Background

- WHO IS REGULATED BY SPCC MANAGEMENT RULES?
  - Facilities that store more than 1,320 gallons oil (petroleum products) in aboveground storage are subject to
    - ***QUESTION: Can you think of which MTA Facilities STORE MORE THAN 1,320 GALLONS of petroleum products?***
- WHO HAS THE POTENTIAL TO SPILL PETROLEUM?
  - MTA has developed SPCC Plans for all maintenance facilities as a best management practice (BMP)

1

TYPICAL SPCC PLAN: Table of Contents

1

TYPICAL SPCC PLAN: Table of Contents

TABLES

- TABLE 1 INVENTORY OF POTENTIAL POLLUTANT SOURCES
- TABLE 2 POLLUTION PREVENTION TEAM
- TABLE 3 SPILL RESPONSE EQUIPMENT
- TABLE 4 SPILL HISTORY
- TABLE 5 DRAINAGE AREA DESCRIPTIONS
- TABLE 6 POTENTIAL POLLUTANT SOURCES / RISK IDENTIF.
- TABLE 7 POTENTIAL SPILL PREDICTIONS
- TABLE 8 BMP SUMMARY AND IMPLEMENTATION SCHEDULE

FIGURES

- FIGURE 1 LOCUS PLAN
- FIGURE 2 SITE PLAN

1

TYPICAL SPCC PLAN: Table of Contents

- APPENDIX A
  - REGULATORY CROSS-REFERENCE MATRIX
- APPENDIX B
  - EMERGENCY RESPONSE GUIDE / CONTACT INFORMATION
- APPENDIX C
  - INTERNAL EMERGENCY CONTACT NOTICE
- APPENDIX D
  - SPILL REPORT FORMS
- APPENDIX E
  - NOTICE TO OIL DELIVERY DRIVERS
- APPENDIX F
  - ROUTINE FACILITY INSPECTION REPORTS
    CORRECTIVE ACTION REPORTS
- APPENDIX G
  - DOCUMENTATION OF ANNUAL TRAINING

1

MOST IMPORTANT PARTS OF SPCC PLAN

- FIGURE 2
  - Oil Storage Locations
  - Drainage Features (described in Table 5)
- APPENDIX B THROUGH APPENDIX F
  - App B – Emergency Spill Info (see Table 3)
  - App C – Notification Info
  - App D – Spill Report Form
  - App F – Inspection Forms

THIS FACILITY SPECIFIC INFORMATION IS PROVIDED IN TRAINING HANDOUTS FOR REFERENCE TODAY!!!

1

OIL STORAGE LOCATIONS:

TWO QUESTIONS:

#1 Where are quantities of oil stored or handled at your Maintenance Facility?

USE FIGURE 2 HANDOUT TO CHECK YOUR ANSWER(S)

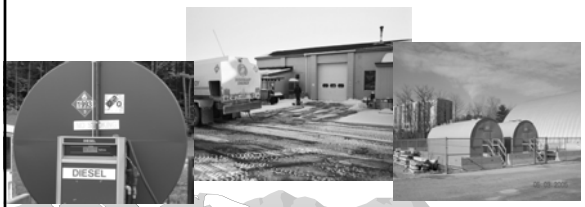
Now #2….What if there was a release from these locations, where would the spill go?

LET'S FIND OUT…

1

OUTSIDE?
EXTERIOR DRAINAGE FEATURES

- Direct Discharge: Storm Drains, catch basins, etc.
- Indirect Discharge: Surface drainage to nearby streams or wetland



How close are they to OIL STORAGE LOCATIONS?

INSIDE?
INTERIOR DRAINAGE FEATURES

Are there any INTERIOR DRAINAGE FEATURES are present at your Maintenance Facility?

- Floor drains: WHERE DOES THE LIQUID GO?

1

INSIDE?
INTERIOR DRAINAGE FEATURES

- Holding tank wastewater pumped and disposed as industrial wastewater
  - contamination - additional disposal $$$
  - may change in hazardous waste generator status

$$$$$$$$$$$$$$$$$$$$$$$$

BE CAREFUL OF WHAT GOES DOWN THE DRAINS!!!

$$$$$$$$$$$$$$$$$$$$$$$$

1

INTERIOR DRAINAGE FEATURES:
Cleanup = $$$$

DRAINAGE FEATURES:
Potential Spill Pathways

"Why is it so important to identify all oil storage locations and drainage features?"

...because oil can enter the "navigable waters" by one or more of the following potential spill pathways:

1. **Direct spillage into drainage system**
2. **Spillage into a floor drain or other conduit that discharges into the streams**
3. **Overland flow to streams**

1

DRAINAGE FEATURES:
Potential Spill Pathways

Do you have any areas where direct spillage into drainage system could occur?

1

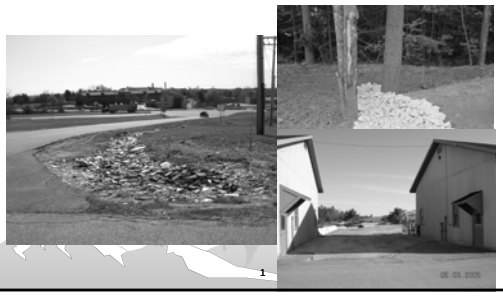
DRAINAGE FEATURES:
Potential Spill Pathways

any direct conduits to the environment?

1

DRAINAGE FEATURES:
Potential Spill Pathways

Any areas where overland flows may be directed to a stream, wetland or other waterbody?



1

POSSIBLE SPILL SCENARIOS

- At your facility, what are the most common types of spills?
- What was the last spill at your facility?

1

SPCC PROGRAM GOALS

THREE GOALS

1. SPILL PREVENTION
   - Prevent spills before they happen
2. SPILL CONTROL
   - Control spills before they reach the environment
3. SPILL COUNTERMEASURES
   - Establish response procedures in the event of a spill

1

SPCC PROGRAM GOALS

How do we achieve the three (3) SPCC Goals?

1. SPILL PREVENTION
   - Installation of required equipment/systems
   - Preventive and routine maintenance
   - Security
   - Best management practices for oil storage/handling
   - Training
   - Inspection and corrective action
2. SPILL CONTROL
3. SPILL COUNTERMEASURES

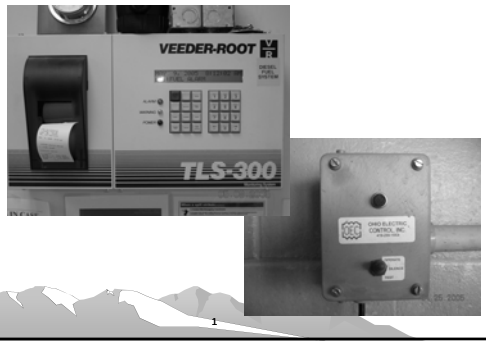
1

Spill Prevention BMPs

- *TANK MONITORING AND ALARM SYSTEMS*
- Veeder-Root monitoring systems on ASTs at several MTA maintenance facilities
  - Inventory monitoring
  - Leak detection
- Level alarms and overfill protection on ASTs, USTs, and holding tanks
- Routine checks and preventive maintenance on monitoring/warning systems

1

Spill Prevention BMPs



1

Spill Prevention BMPs

1

Spill Prevention BMPs

LOADING/UNLOADING PROCEDURES –

NOTICE FOR DELIVERY DRIVERS

Spill Prevention/Control BMPs

BMPs relating to oil storage and handling

Spill Prevention BMPs

- ANNUAL TRAINING
  - Initial training - 2002
  - Annual updates and reviews for significant changes (e.g., new tank installation)
  - New employees or changes in job duties

Spill Prevention BMPs

INSPECTIONS – REQUIRED MONTHLY*

- Tanks/Containers/Equipment are checked for the following:
  - signs of spills or leakage
  - good condition (i.e., not rusted, dented, etc.)
  - properly closed
  - fuel lines not leaking
  - containers or equipment are placed for easy access
  - proper labeling of drums, tanks, containers
  - secondary containment in good condition
  - accumulation of material within secondary containment
  - CORRECTIVE ACTIONS TO BE NOTED ON INSPECTION FORM
  - RECORDS TO BE MAINTAINED ON-SITE IN SPCC PLAN

SPCC PROGRAM GOALS

How do we achieve the three (3) SPCC Goals?

1. SPILL PREVENTION
2. SPILL CONTROL
   - Secondary containment
   - Monitoring of leak detection systems
3. SPILL COUNTERMEASURES

Achieving Spill Control

- Respond immediately to alarms.
- Provide secondary containment for all tanks and containers:
  - Oil drums/containers are stored on “spill pallets”.
- Perform regularly scheduled tests on monitoring systems to ensure that they are operational, including leak detection and overfill protection.
- Employ temporary containment systems during transfers.
- Report all spills and unusual observations to Supervisor

Spill Control BMPs

- Leak detection systems
- Monitoring and inspections
- Secondary containment
- Spill response equipment and supplies
- Security
- BMPs during transfers and operations with high spill potential

1

Spill Control
Secondary Containment

1

Spill Control
Spill Response Materials



1

Spill Control
Spill Response Materials

- Located at or near each tank and container storage location

1

Spill Control
Spill Response Materials

- Spill materials include:
  - Absorbent pads and Spill Magic
  - Pig Co ® 65 gallon Overpak Spill Kit containing the following equipment/material:
    - 10-48 in. Socks; 6-10 ft. Socks; 6-Pillows; 56-Wipers; 40 PIG® Mat Pads; 6-Disposal bags & ties; 6-Tamper Proof Labels; 1-Emergency Response Guidebook; 1-Instruction Manual
  - Spill mats for covering catch basins/floor drains
  - Protective Gloves/Suits and Safety Glasses/Goggles
  - Caution tape for securing spill area
  - Shovels and bags for collection of clean-up material

1

Spill Control
Security

Spill Control
BMPs during oil transfers

• How does this help control spills?

1

SPCC PROGRAM GOALS

How do we achieve the three (3) SPCC Goals?

1. SPILL PREVENTION
2. SPILL CONTROL
3. SPILL COUNTERMEASURES
   - Quick spill response activities/training
   - Spill control equipment and materials
   - Emergency response assistance

1

Spill Countermeasures

Steps in an Oil Spill

- Observation and Evaluation / Assess Situation
- Reporting and Seeking Assistance (Contact SPCC Emergency Coordinator)
- Initial Containment / Protect Receptors
- Containment (stop or contain the spill)
- Spill Cleanup
- Follow-Up/Incident Analysis
- Restoration/Compensation

☺REMEMBER: Personal safety is top priority!!! You should attempt to contain the spill only if you and others are not endangered by doing so.

☺SEE HANDOUT of Appendix B

1

Spill Countermeasures

Response to spill will vary depending on type of spill

- Incidental spills:
  - MTA employees can respond
- Non-Incidental spills:
  - Certified contractor will respond

1

Spill Countermeasures

What is an incidental spill?

- Incidental spills: "Incidental spills" are considered those spills:
  - in which personnel are familiar with the hazards associated with the spilled material; and
  - containment and response do not pose potential safety or health hazards;
  - can be controlled in the immediate release area; and
  - which do NOT reach the environment; and
  - which are less than 5 gallons.

1

Spill Countermeasures

For Incidental Spills ONLY

1. Assess the spill situation (source, material, quantity, limits).
2. REMEMBER: Personal safety is top priority!!! -attempt to contain spill only if you can do so without risk!
3. Extinguish all source of ignition.
4. Use personal protective equipment (PPE) as appropriate for hazards of the spilled material and your level of training

1

Spill Countermeasures

For Incidental Spills ONLY

5. Evacuate unnecessary personnel –secure spill area w/ caution tape
6. Protect potential receptors/cut off migration pathways
7. STOP THE LEAK and CONTAIN THE SPILL!!!
8. Use appropriate spill response equipment
9. Assist with Spill report and any follow up as requested

1

For Non-Incidental Spills:

- REMEMBER: Personal safety is top priority!!!
- Cover/protect floor drains & catch basins, if you can do so without risk.
- Evacuate and secure the spill area.
- Immediately report the spill to SPCC Emergency Coordinator (EC)
- EC will notify MTA Communications Center and John Branscom, MTA Environmental Coordinator, and decide whether outside assistance is needed
- If required, MTA Communication Center will contact emergency response agencies and Maine DEP.
- Provide as much information as possible about the spill (e.g., nature of spill, location and quantity of oil released).
- Remain close to the site to direct responders to the spill location (as long as you are in a safe position).

1

Spill Countermeasures

Where are Emergency Contact Lists (ECL) located?

Review ECL handout

1

Spill Countermeasures

Document ALL spills:

- Ensure that SPILL REPORT FORM has been completed, reviewed with affected parties, signed and filed in SPCC Plan and with MTA Environmental Services Coordinator
- Discuss what must be done to prevent another occurrence
  - Was the response quick and effective?
  - Should anything be done to enhance the prevention, control and/or response system?

1

Spill Countermeasures

- VERY IMPORTANT!
  - Restock Spill Kits with replacement items and additional items, if necessary.

1

QUESTIONS

SPILL PREVENTION, CONTROL OR RESPONSE

48

STORM WATER POLLUTION PREVENTION

1

Regulatory Background

EPA's Clean Water Act (40 CFR 122)

"…no one has the right to pollute the waters of the United States…"

- *Authority under the National Pollutant Discharge and Elimination System (NPDES)*
- *Authority delegated to Maine DEP*
  - *Maine Pollutant Discharge and Elimination System (MPDES) permits and programs*

1

Regulatory Background

Maine DEP MPDES Programs

"…regulate construction, industrial activities and municipal storm seweres…"

- *Requirements under Maine DEP*
  - *Chapter 500 Stormwater Management for New Development and Redevelopment*
  - *Chapter 529 General Permit for the Discharge of Stormwater from MDOT/MTA Municipal Separate Storm Sewer Systems*
    - *Applicable within Urbanizes Areas*
- *NEW!! Requirements in Urban Impaired Streams*

1

REGULATORY BACKGROUND

TO SATISFY THE REGULATORY REQUIREMENTS, MTA HAS DEVELOPED….

- Storm Water Program Management Plan (SPMP) for all regulated UAs along Turnpike
  - 2008 New 5-year Plan!
  - Catch basin cleanout program
  - Outfall inspection program
  - Stormwater Awareness Plan
  - BMP Adoption Plan
- Good housekeeping BMPs for all maintenance facilities
  - Regardless of location (e.g., UA or non-UA)
- Construction inspection checklist for ALL projects
  - Regardless of location and size

1

PROGRAM OVERVIEW : Storm Water Training

- **Introduction**
- **Best Management Practices (BMPs) at your Maintenance Facilities**
- **Requirements in Urbanized Areas (UAs) along Turnpike**
  - **Illicit Discharge Detection and Elimination Program**
    - Catch Basin (CB) cleanouts and assessments
    - CB and Outfall inspections

1

PROGRAM OVERVIEW : Storm Water Training

- **Best Management Practices (BMPs) when conducting earthwork projects**
  - Regardless of size
  - All projects included
  - Reference MaineDOT BMP Manual
- **Inspection and Maintenance required for all newly installed structural BMPs**
  - For example, infiltration basins at West Gardiner

1

SO…
where are these UAs subject to storm water regulations?

- "Urbanized Areas" Include:
  - Sabattus - Mile 83.6 to 84.3
  - Lewiston – all of Lewiston
  - Auburn – Mile 75.0 to 75.6 and 78.9 to 79.4
  - Falmouth – Mile 51.8 to 53.4 and Exits 52, 53
  - Portland – Mile 46.7 to 51.8, Exits 46, 47, 48
  - Scarborough – Mile 41.0 to 42.0
  - Saco – Mile 33.0 to 35.7, Exit 36 approach ramp
  - Biddeford – Mile 32.0 to 33.0

SO…
is your Maintenance Facility located within these UAs?

NO, BUT….MTA has implemented "good housekeeping" BMPs at all Maintenance Facility to minimize the potential for storm water pollution.

Because….

1

DEP states:

…the effect stormwater runoff has on the water quality of Maine waters is impacted by the level of effort put into the construction, operation, and maintenance of MTA's stormwater infrastructure. Polluted water entering the storm drain system and discharged untreated directly to waterbodies is used for drinking, fishing, and swimming, which impacts everyone in Maine.

1

BMPs at Maintenance Facilities

Many MTA Maintenance Facility Activities May Have the Potential To Impact Storm Water

- Equipment Storage
- Vehicle Maintenance and Washing
- Material Handling and Storage
  - Oil and Petroleum Products
  - Sand and Salt
  - Waste and Excess Material Storage
  - Painting

1

BMPs at Maintenance Facilities

To satisfy these permit requirements MTA needs YOUR HELP in:

- **Implementing the required BMPs**
- **Tracking BMPs using the appropriate documentation**

1

Review of Stormwater BMPs

Two types of BMPs:

- Non-structural
  - Operational and pollution-prevention type practices to prevent pollutants from entering stormwater runoff
    - Ex: Good housekeeping practices
- Structural
  - Engineered and constructed systems designed to provide water quantity or quality control
    - Ex: Sedimentation trap

Sedimentation trap = Catch basin

1

Review of Stormwater BMPs: other sedimentation traps

Review of Stormwater BMPs

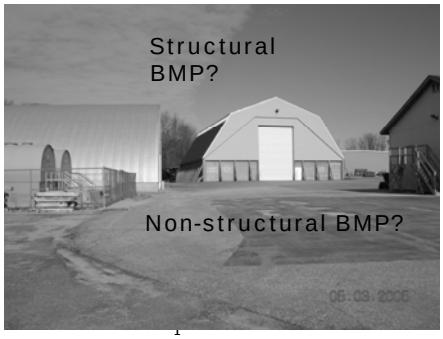
Let's focus on Maintenance Facilities first….

…Before we move on to construction

1

Review of Stormwater BMPs

Indoor sand and salt storage



1

Review of Stormwater BMPs

Vehicle washing procedures

Only RINSE outside at designated rinse point!

Only WASH inside in designated wash bay!

1

Storm Water Pollution Prevention: BMPs at Maintenance Facilities

Solid waste management

What's wrong with this picture? ➔

What's right about this picture? ➔

1

Storm Water Pollution Prevention: BMPs at Maintenance Facilities

Capping Hydraulic Lines

1

Storm Water Pollution Prevention:
BMPs at Maintenance Facilities

Proper vehicle, equipment and materials storage

Use vegetated buffers for storing galvanized materials ➔

←Be mindful of hydraulic hoses and store equipment inside/under cover whenever possible

1

Review of Stormwater BMPs

Why is it important to maintain Stormwater BMPs at your Maintenance Facility?

a.) Many materials can become pollutants in stormwater runoff

b.) Many activities have the potential to impact stormwater runoff

c.) Both a.) and b.)

1

Review of Stormwater BMPs

What are some of the activities that have the potential to impact stormwater if BMPs are not in place?

Equipment Storage?

Refueling?

Vehicle Maintenance and Washing?

Painting Operations?

Others?

1

Review of Stormwater BMPs

What are some of the materials that have the potential to impact stormwater if BMPs are not in place?

Sand and Salt

Petroleum products

Calcium chloride

Paint overspray

Others?

1

Review of Stormwater BMPs

Now, let's move on...

...to the mainline and other areas

1

NOW...
what are the responsibilities outside the Maintenance Facility?

- Comply with requirements outlined in SPMP and Permit
  - Five-Year Permit Program addressing six Minimum Control Measures (MCMs)
  - Focused on Areas Where Maine Turnpike Passes Through "Urban Areas"
  - Recordkeeping and Annual Reporting required
  - Satisfy Six (6) MCMs...which are...

1

MINIMUM CONTROL MEASURES

1. Public Education and Outreach
2. Public Involvement and Participation
3. Illicit Discharge Detection and Elimination
   - CB cleanout and assessments
   - CB and Outfall inspections
4. Construction Storm Water Runoff Control
5. Post-Construction Storm Water Management
6. Pollution Prevention/Good Housekeeping

1

ILLICIT DISCHARGE DETECTION AND ELIMINATION (IDDE) PROGRAM

- IDDE Program has been implemented within all Urbanized Areas (UAs) over five years
  - Mapping has been conducted by Scott Lachance and GZA using GPS data points collected for all CB and outfalls within UA
  - Maps have been provided to each HM/EM Facility
- Dry Weather Inspections of Storm Water Catch Basins and Outfalls within UAs
  - Initial inspection performed when mapped
  - GZA has performed follow up dry weather inspection throughout summer months
  - Not sure who will be doing inspections this year?
    - GZA or MTA Highway Maintenance?
  - Always be looking for flow in periods where there has been little or no rainfall

1

Illicit Discharge Detection and Elimination

What does ILLICIT DISCHARGE mean?

"...any non-permitted discharge to...the waters of the State that does not consist entirely of stormwater or authorized non-stormwater discharges identified in Part IV(H)(3)(b)."

For example,

1. Illegal tie-in from sewer discharge
2. Chemical discharge from mill
3. Laundry or car wash discharges containing detergent

But, there are also...

- Authorized non-stormwater discharges

1

Authorized Non-Stormwater Discharges

- Landscape irrigation
- Diverted stream flows
- Rising ground waters
- Uncontaminated ground water in filtration (as defined at 40 CFR 35.2005(20))
- Uncontaminated pumped ground water
- Uncontaminated flows from foundation drains
- Air conditioning and compressor condensate
- Irrigation water
- Flows from uncontaminated springs
- Uncontaminated water from crawl space pumps
- Uncontaminated flows from footing drains
- Lawn water runoff
- Flows from riparian habitats and wetlands
- Residual street wash water (where spills/leaks of toxics or hazardous materials have not occurred, unless all spilled material has been removed and detergents are not used)
- Hydrant flushing and fire fighting activity runoff
- Water line flushing and discharges from potable water sources

1

Illicit Discharge Detection and Elimination

What does ILLICIT DISCHARGE mean?

"...any non-permitted discharge to...the waters of the State that does not consist entirely of stormwater or authorized non-stormwater discharges identified in Part IV(H)(3)(b)."

If an ILLICIT DISCHARGE is identified, it must be:

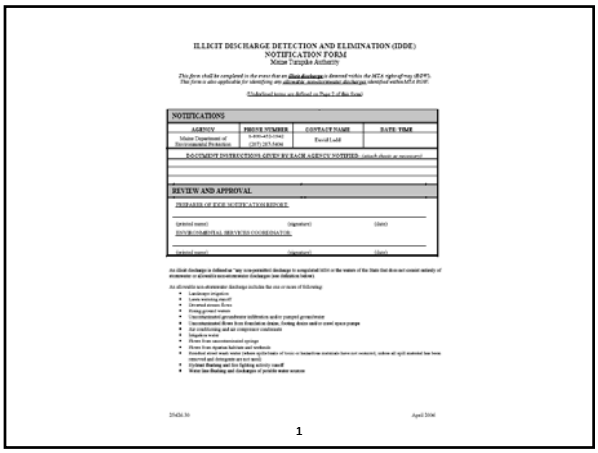
1. Documented using the IDDE notification form; and
2. Reported to the Environmental Services Coordinator right away

1


ILLICIT DISCHARGE DETECTION AND ELIMINATION (IDDE)
NITTEW a TWIN FORM
Maine Turnpike Authority

INCIDENT DESCRIPTION

1



ILLICIT DISCHARGE DETECTION AND ELIMINATION (IDDE)
NOTIFICATION FORM
Maine Turnpike Authority

NOTIFICATIONS

AGENCY	PHONE NUMBER	CONTACT NAME	DATE/TIME
Maine Department of Environmental Protection	1-800-452-1942 (207) 287-3456	Harold Ladd	

DOCUMENT INSTRUCTIONS GIVEN BY EACH AGENCY NOTIFIED (attach sheets as necessary)

REVIEW AND APPROVAL

PREPARER OF ESCR NOTIFICATION REPORT

(printed name) (signature) (date)

ENVIRONMENTAL SERVICES COORDINATOR

(printed name) (signature) (date)

1

IDDE NOTIFICATION:

1

TYPICAL OUTFALL:
What do you call this?

1

ARE THESE OUTFALLS?

1

INTERCONNECTION BETWEEN CATCH BASINS

1

SO…
what <u>else</u> are we required to do?

PERMIT REQUIREMENTS

MEPDES Permit Part IV(D) 3. Illicit Discharge Detection and Elimination (IDDE):

"Each permittee must…[conduct] dry weather inspections including training for locating illicit discharges…"

SPMP MEASURABLE GOALS

BMP: Assess content of catch basins during annual cleanout

Goal: Utilize regularly scheduled catch basin cleaning to detect possible illicit discharges by visually assessing the contents for the following:

a) Unusual color or odor
b) Excessive oil
c) Viscosity
d) Other suspicious characteristics

1

CATCH BASIN CLEANOUT TRACKING FORM

MPDES Permit Part IV(D) 3. Illicit Discharge Detection and Elimination.
Each permittee must develop, implement and enforce a program to detect and eliminate illicit discharges and non-stormwater discharges, as defined in 06-096CMR22(4)(A)(2), except as provided in Part IV(D)(3)(1) of this permit into any small MS4.

MTA's SWMP states that MTA shall...
"Utilize regularly scheduled catch basin cleaning to detect possible illicit discharges by visually assessing the contents for the following: unusual color or odor, excessive oil, foam or scum, viscosity, or other suspicious characteristics."

DATE OF CLEANOUT	CB IDENTIFIER (Example: map-lot)	CB LOCATION with nearest Mile Marker (Example: in I-1 Median, Northbound)	UNUSUAL ODOR/COLOR (Yes or No) If yes, describe	EXCESSIVE OIL (Yes or No) If yes, describe	FOAM OR SCUM? (Yes or No) If yes, describe	VISCOUS? (Yes or No) If yes, describe	INITIALS OF INSPECTOR AND ANY COMMENTS include other suspicious characteristics and/or any damage observed

1

CATCH BASIN CLEANOUT TRACKING FORM

- DATE OF CLEANOUT
- CB INDENTIFIER
- CB LOCATION

1

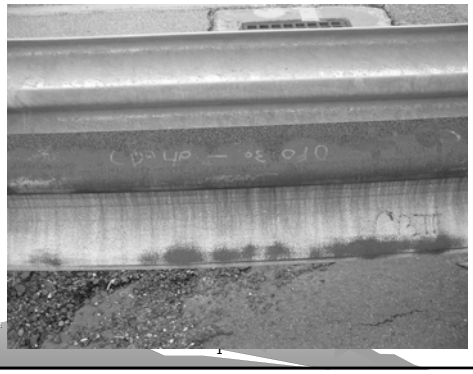
CATCH BASIN (CB) LOCATION

1

CATCH BASIN (CB) IDENTIFIER

1

CATCH BASIN (CB) IDENTIFIER



1

CATCH BASIN (CB) IDENTIFIER: Use Outfall Information

All outfalls are identified on the delineator post located next to the outlet

1

CATCH BASIN CLEANOUT TRACKING FORM

- UNUSUAL ODOR/COLOR

CATCH BASIN CLEANOUT TRACKING FORM

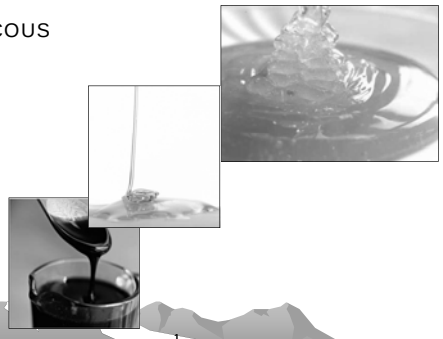
- EXCESSIVE OIL

CATCH BASIN CLEANOUT TRACKING FORM

- FOAM OR SCUM

CATCH BASIN CLEANOUT TRACKING FORM

- VISCOUS



CATCH BASIN CLEANOUT TRACKING FORM

- INITIALS OF INSPECTOR

CATCH BASIN CLEANOUT TRACKING FORM

- COMMENTS

What type of comments would you make here?

What type of comments would you make here?

What type of comments would you make here?

Now…
let's talk about MCMs #4 & #5 by discussing Erosion and Sedimentation Control (ESC) Principles and BMPs

- SIX MINIMUM CONTROL MEASURES
  1. Public Education and Outreach
  2. Public Involvement and Participation
  3. **Illicit Discharge Detection and Elimination**
     - **CB cleanout and assessments**
     - **CB and Outfall inspections**
  4. Construction Storm Water Runoff Control
  5. Post-Construction Storm Water Management
  6. Pollution Prevention/Good Housekeeping

EROSION & SEDIMENTATION CONTROL

There have been a number of changes to rules involving earthwork projects:

"What are the changes and new requirements that I need to be aware of in Highway Maintenance Operations?"

Review of Permit Requirements

MTA and MaineDOT are required to report annually to DEP regarding:

- All projects undertaken
- All BMPs
  - Structural – installed
  - Non-structural – completed O&M
- Inspections

Review of Permit Requirements

How can all of this data be tracked?

MaineDOT requires Foremen to

- Conduct inspections of existing and new BMPs
- Prepare project-specific Erosion and Sedimentation Control (ESC) Plans
- Maintain hay bales in truck at all times during construction season

103

Review of Permit Requirements

Question 3:

What is the difference between erosion and sedimentation?

104

Erosion and Sedimentation

- **Erosion = Movement of soil by action of water or wind.**
  - **Erosion is natural; but Accelerated erosion is not!**
- **Sedimentation = "settling out" of soil particle from the water.**

105

Review of Permit Requirements

What BMPs are involved with Ditching?

106

BMP REQUIREMENTS: DITCHES

- **Existing ditches shall be maintained until the new ditches are stabilized.**
  - Stone check dams shall be placed in existing ditches prior to construction to prevent the release of sedimentation
  - Stone check dams shall be installed at the outlets of all existing and proposed ditches adjacent to all streams

107

BMP REQUIREMENTS: DITCHES

- **For proposed ditches, stabilize the outlet first and build from the bottom up. Only excavate what can be stabilized or protected by the end of the work day.**

108

Temporary Stabilization Method

Ditch Stabilization

All disturbed ditches shall be stabilized by the end of each workday.

- ❖Stabilization shall be maintained on a daily basis
- ❖Erosion control blanket shall be installed in the bottom of all ditches except where a stone lining is planned. Seed shall be applied prior to the placement of the blanket.

109

BMP REQUIREMENTS: DITCHES

Permanent Stabilization

110

CULVERT REPAIR & MAINTENANCE

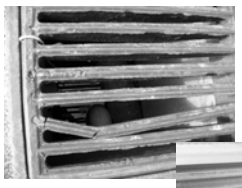
111

Review of Permit Requirements

Is a downspout a BMP?

112

CATCH BASIN REPAIR & MAINTENANCE



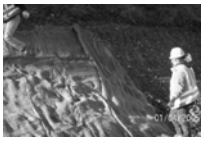
113

REVIEW OF PERMIT REQUIREMENTS

SLOPE REPAIR

All temporary erosion control devices shall be in place prior to any embankment and excavation operations

Temporary Stabilization = mulching, surface roughening
versus
Permanent Stabilization = ???



114

SLOPE AND RIGHT OF WAY REPAIRS

115

REQUIREMENT:

Permanent Stabilization

Permanent slope stabilization measures shall be applied within one week of the last soil disturbance.

Approved Methods

- **Seeded areas:** 90% cover of healthy plants with no evidence of washing or rilling of the topsoil.
- **Sodded areas:** Complete binding of the sod roots into the underlying soil with no slumping of the sod or die-off.
- **Permanent Mulch:** Total coverage of the exposed area.
- **Riprap:** Stabilized slopes with appropriate backing of a well-graded gravel or approved geotextile.
- **Paved areas:** Placement of the compacted gravel subbase is completed.
- **Ditches, channels, and swales:** Channel is stabilized with a 90% cover of healthy vegetation, well-graded riprap lining, or with another non-erosive lining. No evidence of slumping of the channel lining, undercutting of the channel banks, or down-cutting of the channel.

116

PERMANENT SLOPE STABILIZATION: STONE DITCH PROTECTION

117

PERMANENT SLOPE STABILIZATION: RIPRAP DOWNSPOUTS

118

REQUIREMENT:

Winter Stabilization

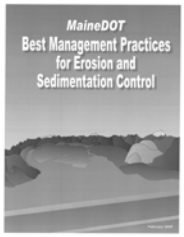
Temporary winter stabilization must be used between November 1st and April 1st or outside of said time period if the ground is frozen or snow covered.

- Cover all disturbed soils and seeded ground

119

Review of Permit Requirements

Resource for temporary ESC BMPs

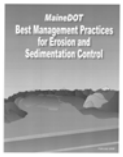


...to install new structural BMPs

120

Review of Permit Requirements

Implementing appropriate BMPs, as described in Maine DOT's Stormwater BMPs Manual, to all MTA related activities will help to minimize stormwater pollutants introduced to Maine's waterbodies.



Newly installed BMPs must be tracked and inspected in first year

121

Review of Permit Requirements

- **MaineDOT BMP Manual is a good resource for:**
  - Details of structural BMPs
  - Summary of MOA, regulations and other background information
- **BMPs are more plentiful and more frequent**
  - Use a daily log to document earthwork
  - Must track all projects regardless of size and location
  - Implement SPCC measures

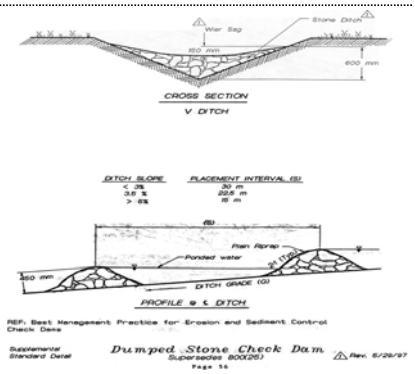
122

Review of Permit Requirements

What about a stone check dam?

123

TYPICAL CHECK DAM DETAIL



124

Review of Permit Requirements

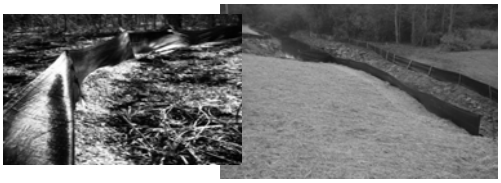
What about a bark mulch berm a BMP?

125

Review of Permit Requirements

Silt fence must be installed prior to any land disturbance
Silt fence must be installed downhill of all disturbed slopes

- Regardless of size or location
- Until area is **permanently stabilized**



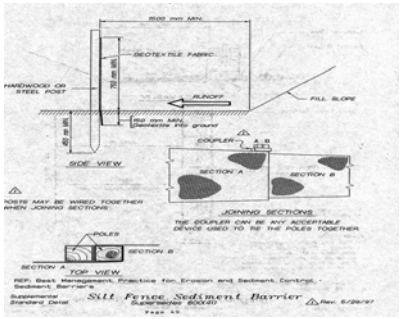
126

Review of Permit Requirements

What's wrong with this picture?

127

TYPICAL SILT FENCE DETAIL

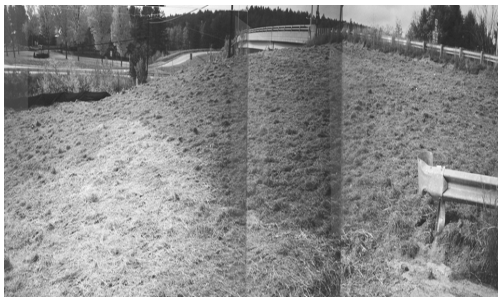


See BMP Manual for updated specifications (Section III:41)

128

Review of Permit Requirements

Is applying hay mulch a BMP?

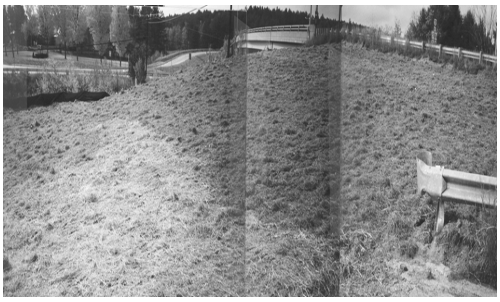


129

Review of Permit Requirements

How much should be applied?

When should it be applied?



130

Temporary Stabilization Method

Mulch!

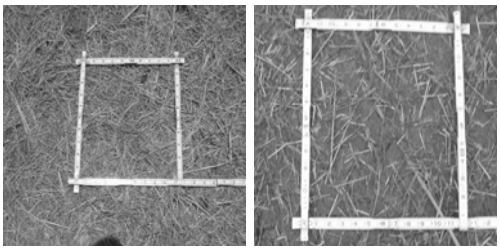
Newly disturbed earth shall be mulched or otherwise stabilized by the end of each workday.

- Mulch shall be maintained on a daily basis

131

ADEQUATE MULCHING:

Will both of these mulch applications prevent erosion?



Hay and straw mulch applications are addressed in Section III:9 of the MaineDOT BMP Manual

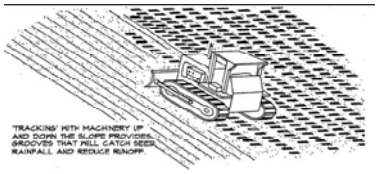
132

Temporary Stabilization Method

Surface Roughening (Tracking)

Bare earth slopes shall be roughened to dissipate sheet flow.

This should be accomplished by "tracking" the slope perpendicular to the centerline (e.g. "track" the equipment up and down the slope).



TRACKING

❖ Which is steeper a 3:1 or 2:1 slope?

Sec-III:27 of DOT BMP Manual

133

OTHER REQUIREMENTS:

Inspections and Reporting

A daily inspection log must kept for the duration of the project.

- The inspection should include:
  - Disturbed and impervious areas
  - Erosion control measures
  - Materials storage areas exposed to precipitation
  - Vehicle entrances and exits

134

OTHER REQUIREMENTS:

Inspections and Reporting

- The daily log should include the following:
  - On-site precipitation
  - Air temperature
  - Signed by certified inspector
  - Notes on all ESCs in place
    - How they performed?
    - If they failed?
    - Any corrective actions required/taken?
- The log must be updated at least
  - Weekly
  - After all significant storm runoff
  - After flood events
  - Even when work has been suspended temporarily

135

OTHER REQUIREMENTS:

Pollution Prevention

Pollution prevention measures must be in place prior to construction activities

- Protect natural buffers
- Control activities within construction boundaries
- Protect groundwater supplies by preventing infiltration contamination
- Prevent debris and hazardous materials from entering waterbodies
- SPCC Plan

Fun Fact: Did you know that "any potatoes or any part or parts of potatoes" are not permitted to be discharged into any water body within the state of Maine.

Maine DEP Water Statutes Title 38 §417 Certain deposits and discharges prohibited

136

OTHER CONSTUCTION REQUIREMENTS:
BMPs for Protecting Natural Resources

- **Work in wetlands is prohibited**
  - **...except to the minimum extent necessary for completion of detailed work.**
  - Excavated and other materials shall not be stockpiled in wetlands.
  - Hay bales, silt fences or other suitable barriers shall be used, where necessary, to prevent sedimentation from eroding materials.
- **Disturbance of natural resources beyond the construction limits shown on work plans is NOT allowed.**

137

OTHER CONSTUCTION REQUIREMENTS:
General BMPs for Channels, Culverts and Pipes

- **Before allowing permanent channels to carry water, they shall be stabilized.**
  - This may require the installation of temporary erosion control BMPs or temporarily diverting flows.

138

OTHER CONSTUCTION REQUIREMENTS:
General BMPs for Channels, Culverts and Pipes

- **All cross culvert outlets shall be armored before the end of the work day**

- **Construction operations may require the placement of a temporary pipe with fill over a ditch line to provide access to a work area**

139

OTHER CONSTUCTION REQUIREMENTS:
General BMPs

- **Prior to conducting clearing and grubbing operations, temporary and permanent sedimentation control measures shall be installed.**
- **Temporary and permanent erosion and sedimentation controls shall be inspected and maintained during periods of approved suspension (e.g., even when earthwork for project is on hold or not being conducted).**
- **Contain all demolition debris (including debris from wearing surface removal, sawcut slurry, dust, etc.) and do not allow it to discharge to any resource. Dispose of debris should be in accordance with Maine Solid Waste Law, Title 38 M.R.S.A., Section 1301 et. seq.**

140

OTHER CONSTUCTION REQUIREMENTS:
VERY IMPORTANT!!

- **Temporary erosion control measures shall be maintained until the site is stabilized with vegetation or other permanent control measures**

141

OTHER CONSTUCTION REQUIREMENTS:
VERY IMPORTANT!!

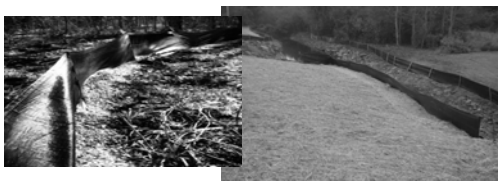
- **Regardless of the time of year, take appropriate measures to prevent erosion or sedimentation from occurring AND to correct any existing problems**

142

Review of Permit Requirements:
VERY IMPORTANT!!

Silt fence must be installed prior to any land disturbance
Silt fence must be installed downhill of all disturbed slopes

- Regardless of size or location
- Until area is **permanently stabilized**



143

Review of Permit Requirements:
VERY IMPORTANTT!!

Mulch!

Newly disturbed earth shall be mulched or otherwise stabilized by the end of each workday.

- Mulch shall be maintained on a daily basis

144

OTHER REQUIREMENTS:
VERY IMPORTANT!!

Trained Personnel

All projects must have an On-Site Responsible Party (OSRP)

- ❖ OSRP has been trained through DEP'S Non-Point Source Training Center
- ❖ OSRP is knowledgeable in erosion and sediment control

145

IMPORTANT POINTS:
As OSRP you should...

- **Be familiar with required ESCs**
- **Be familiar with MaineDOT BMPs**
- **Be prepared to document ESCs and BMPs**
  - Summaries used to complete the Annual Reports to DEP
- **More changes are on the way....**
  - Inspections of Permanent BMPs

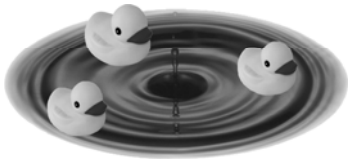
146

REMEMBER:

...the effect stormwater runoff has on the water quality of Maine waters is impacted by the level of effort put into the construction, operation, and maintenance of MTA's stormwater infrastructure. Polluted water entering the storm drain system and discharged untreated directly to waterbodies is used for drinking, fishing, and swimming, which impacts everyone in Maine.

147

Thank You



...and keep up the GREAT WORK!!

148

Maine Turnpike Authority
MS4 Stormwater Awareness Plan

Developing and implementing a Stormwater Awareness Plan is a requirement of the Maine Department of Environmental Protection's (DEP's) *General Permit for the Discharge of Stormwater from Maine Department of Transportation (MaineDOT) and Maine Turnpike Authority (MTA) Municipal Separate Storm Sewer Systems* (MS4s). Since MTA is subject to this MS4 permit and its six *Minimum Control Measures* (MCMs), *Part IV(H)(1)(a)(i)* requires MTA to conduct Public Education and Outreach (MCM #1) efforts that ***"continue raising awareness of stormwater issues amongst employees and contractors."***

1.0 PERMIT LANGUAGE

Part IV(H)(1) of the MS4 Permit establishes three goals for *MCM #1 - Public Education and Outreach on Stormwater Impacts*. These include the following:

1. *To raise awareness that polluted stormwater runoff is one of the most significant sources of water quality problems for Maine's waters;*
2. *To motivate staff and contractors to use Best Management Practices (BMPs) which reduce polluted stormwater runoff; and*
3. *To reduce polluted stormwater runoff as a result of increased awareness and utilization of BMPs.*

In addition to continuing outreach efforts from the previous MS4 Permit (e.g., 5-year cycle)[1], MTA must satisfy these three goals by also continuing to raise awareness of stormwater among MTA employees and contractors. The progress and effectiveness of the Plan and associated efforts must then be evaluated and included in each annual report submitted to Maine DEP in accordance with *Part IV(J)* of the MS4 Permit. As part of this evaluation, MTA must include an assessment of process indicators and impact indicators to evaluate efforts in meeting these goals. In the fifth annual report, the BMP Adoption Plan shall be reviewed fully and include analysis of the process and impact indicators.

Process indicators are related to the execution of the program, such as (1) percent or number of employees who attend a training session; or (2) completion of a particular action item (e.g., distributing posters to employee work place and/or contractor job site).

Impact indicators are related to the achievement of the goals and objectives of the program, such as (1) observable/measurable effects on behavior; or (2) percent or number of employees to describe sources of storm water pollution, proper spill response, or maintenance of a BMP.

[1] Public education and outreach efforts continued from the previous MS4 permit cycle include (but are not limited to) conducting annual stormwater pollution prevention/spill prevention control and countermeasures (SPCC) training to MTA maintenance and engineering employees, as well as other Measurable Goals that can be found in MTA's Stormwater Program Management Plan (SPMP) dated December 2008.

2.0 COVERAGE AREA

This plan has been developed for implementation by MTA to meet MS4 Permit requirements for Urbanized Areas (UAs) within MTA's right-of-way (ROW).

3.0 OBJECTIVE

The objective of this Stormwater Awareness Plan is to raise awareness among MTA employees and contractors regarding stormwater issues. For example, stormwater runoff is one of the most significant sources of water quality problems for Maine's waters.

The goal of the Stormwater Awareness Plan is to provide information relative to stormwater impacts in an effort to raise awareness of MTA employees. For example, 100% of Highway Maintenance employees and Engineering Inspectors will attend training sessions at which stormwater issues and impacts will be addressed. Additionally, MTA will also work to raise awareness among MTA employees in other departments, such as Fare Collections by providing abbreviated Stormwater/Spill Prevention and Response training to supervisors and managers who will in turn inform additional employees regarding stormwater issues relative to MTA operations.

The goal of this Plan is to also raise awareness of contractors by providing this Plan, as well as the Targeted BMP Adoption Plan (which is designed to motivate employees and contractors to use BMPs to reduce polluted stormwater runoff), prior to starting work on MTA projects.

4.0 MESSAGE

The message MTA will strive to impart on employees and contractors will relate to the potential impacts their activities may have on stormwater runoff and water quality in Maine. The message statement is:

> *"The effect stormwater runoff has on the water quality of Maine waters is impacted by the level of effort put into the construction, operation, and maintenance of MTA's stormwater infrastructure. Polluted water entering the storm drain system and discharged untreated directly to waterbodies is used for drinking, fishing, and swimming, which impacts everyone in Maine."*

4.1 OUTREACH TOOL(S) AND DISTRIBUTION

This Stormwater Awareness Plan and message will be provided to each MTA employee at annual training sessions and also to each contractor before commencement of work, in addition to the Targeted BMP Adoption Plan.

MTA has established or will rely on a number of outreach tools including the following:

- Existing stormwater training programs
    - For MTA employees, the internal training program will be evaluated annually (and updated, as needed) to include storm water topics in order to assess process and impact indicators; and

  - For contractors, MTA continues to require an On-Site Responsible Party (OSRP) certified by DEP's NPS Training Program to be knowledgeable of stormwater, specifically erosion prevention, sedimentation control and other potential impacts to water quality in Maine.

- Stormwater information packages to raise awareness and encourage utilization of targeted BMPs
  - For MTA employees, information will be provided during annual and supplemental training sessions. Informational packages may also be provided via MTA's newsletters and memos posted to employee bulletin boards, as well as through employee meetings, including quarterly Environmental Health & Safety Committee meetings.
  - For contractors, MTA will continue to include contractual requirements provided in the standard contract language that establishes the anticipated expectations for performance and payment. Stormwater information will be discussed or provided to contractors prior to starting work (e.g., at Pre-Construction meetings).

4.2 TIMELINE AND IMPLEMENTATION SCHEDULE

The timeline and implementation schedule is determined by:

- The training schedule established each year for MTA employees; and
- The solicitation and project award notices each year.

MTA has established a representative training schedule for each year and is similar to the table below:

Date	**Training Type**
April	Erosion and Sediment Control (ESC) and Stormwater Pollution Prevention for highway maintenance Supervisors and Foremen
May - June	Spill Prevention Control and Countermeasures Plan (SPCC), Stormwater and Erosion and Sediment Control (ESC) for MTA maintenance and engineering employees.
October	Spill Prevention Control and Countermeasures Plan (SPCC) and Stormwater for Fare Collections

The training sessions are designed to meet the goal of increasing awareness, as well as encouraging utilization of targeted BMPs to reduce stormwater runoff and potential impacts. In addition to these training sessions, there may be supplemental training sessions as needed and/or new information posters about stormwater BMPs posted at MTA facilities. Newsletters including stormwater information may also be sent each year to employees.

For contractors, MTA's requirement to have an OSRP certified by DEP's NPS Program ensures that the contractor is aware of stormwater related issues. However, in Permit Year 2, MTA will begin distributing this Stormwater Awareness Plan to contractors.

4.3 RESPONSIBLE PARTY

The primary responsible party at MTA is the Environmental Services Coordinator, John Branscom. The Environmental Services Coordinator may also rely on the following:

- MTA Supervisors, Foremen, Inspectors and/or other personnel to inform MTA employees and contractors of the targeted BMPs to be utilized;
- An environmental consulting firm, such as GZA GeoEnvironmental, Inc, to ensure MTA's employees are trained as defined by the Plan; and
- A design engineering firm, such as HNTB, who administer construction contracts, to ensure the Plan is properly implemented by the contractors.

4.4 EVALUATION PROTOCOL

MTA training is documented with attendance sign-in sheets, exam scores, in-class workshops and evaluation forms. A training database is maintained with information gathered from employees during each training session.

Process Indicators: Assessment of the program execution will be included in the annual report. The following topics will be reported for MTA employees:

1. Number of employees that attended training; and
2. Average exam scores for attendees.

Impact Indicators: Gauging the achievement of goals and objectives of the program will be included in the annual report. These will be addressed by the following behavioral change questions:

1. Number or percentage of employees to identify the goals of MCM #1 correctly;
2. Number or percentage of employees to identify source(s) of storm water pollution;
3. Number or percentage of employees to identify and differentiate between structural and non-structural BMPs; and
4. Number or percentage of employees to demonstrate an applied knowledge of BMP-specific information.

Process and impact indicators for contractors will be tracked by documenting the pre-construction meetings when this Plan and the Targeted BMP Adoption Plan are provided to each contractor and the contractor, in turn, provides MTA with the certification for their OSRP for the project.

4.5 PLAN MODIFICATION

This Stormwater Awareness Plan may require modification if evaluation data shows that efforts are not effective. Should modifications be needed, the plan will be revised or a new plan will be developed.

Maine Turnpike Authority
MS4 Targeted BMP Adoption Plan

Developing and implementing a Best Management Plan (BMP) Adoption Plan is a requirement of the Maine Department of Environmental Protection's (DEP's) *General Permit for the Discharge of Stormwater from Maine Department of Transportation (MaineDOT) and Maine Turnpike Authority (MTA) Municipal Separate Storm Sewer Systems* (MS4s). Since MTA is subject to this MS4 permit and its six *Minimum Control Measures* (MCMs), *Part IV(H)(1)(a)(ii)* requires MTA to conduct Public Education and Outreach (MCM #1) efforts that **encourage *"employees and contractors to utilize BMPs that minimize stormwater pollution."***

1.0 PERMIT LANGUAGE

Part IV(H)(1) of the MS4 Permit establishes three goals for *MCM #1 - Public Education and Outreach on Stormwater Impacts*. These include the following:

1. *To raise awareness that polluted stormwater runoff is one of the most significant sources of water quality problems for Maine's waters;*
2. *To motivate staff and contractors to use Best Management Practices (BMPs) which reduce polluted stormwater runoff; and*
3. *To reduce polluted stormwater runoff as a result of increased awareness and utilization of BMPs.*

In addition to continuing outreach efforts from the previous MS4 Permit (e.g., 5-year cycle)[1], MTA must satisfy these three goals by encouraging employees and contractors to use BMPs that minimize stormwater pollution as part of this Targeted BMP Adoption Plan. The progress and effectiveness of the Plan and associated efforts must then be evaluated and included in each annual report submitted to Maine DEP in accordance with *Part IV(J)* of the MS4 Permit. As part of this evaluation, MTA must include an assessment of process indicators and impact indicators to evaluate efforts in meeting these goals. In the fifth annual report, the BMP Adoption Plan shall be reviewed fully and include analysis of the process and impact indicators.

Process indicators are related to the execution of the program, such as (1) percent or number of employees who attend a training session; or (2) completion of a particular action item (e.g., distributing posters to employee work place and/or contractor job site).

Impact indicators are related to the achievement of the goals and objectives of the program, such as (1) observable/measurable effects on behavior; or (2) percent or number of employees to describe sources of storm water pollution, proper spill response, or maintenance of a BMP.

[1] Public education and outreach efforts continued from the previous MS4 permit cycle include (but are not limited to) conducting annual stormwater pollution prevention/spill prevention control and countermeasures (SPCC) training to MTA maintenance and engineering employees, as well as other Measurable Goals that can be found in MTA's Stormwater Program Management Plan (SPMP) dated December 2008.

2.0 COVERAGE AREA

This plan has been developed for implementation by MTA to meet MS4 Permit requirements for Urbanized Areas (UAs) within MTA's right-of-way (ROW).

3.0 OBJECTIVE

The objective of this Targeted BMP Adoption Plan is to educate MTA's employees and contractors to use BMPs which reduce polluted stormwater runoff within UA.

The goal of the BMP Adoption Plan is to target BMPs in the MaineDOT BMP Manual to be utilized by employees and contractors that minimize stormwater pollution during construction activities, such as:

(1) Installing silt fence prior to land disturbance; and
(2) Ensuring that hay mulch is applied to soil at the end of each work day.

For MTA employees, focus will also be given to targeting BMPs relevant to transportation-related maintenance and good housekeeping activities, such as:

(1) Regular sweeping of the mainline and peripheral facilities;
(2) Annual catch basin clean-outs and sediment removal;
(3) As needed ditch cleaning and repair;
(4) On-going culvert maintenance and litter removal.

Contractors are also encouraged to utilize BMPs in accordance with standard construction contract language (e.g., Special Provision 656), as well as the MaineDOT BMP Manual.

4.0 MESSAGE

The message MTA will strive to impart on employees and contractors will relate to the impacts their activities have on stormwater runoff and the importance of BMPs. The message statement is:

> *"Implementing appropriate BMPs, as described in MaineDOT's Stormwater BMPs Manual, to all MTA related activities will help to minimize stormwater pollutants introduced to Maine's waterbodies."*

4.1 OUTREACH TOOL(S) AND DISTRIBUTION

Targeted BMPs are included in the MaineDOT BMP Manual that is available at each MTA maintenance facility and referenced in standard contract language for contractors.

MTA has established or will rely on a number of outreach tools including the following:

- Existing stormwater training programs
    - For MTA employees, the internal training program will be evaluated annually (and updated, as needed) to include storm water topics in order to assess process and impact indicators; and

  - For contractors, MTA continues to require an On-Site Responsible Party (OSRP) certified by DEP's NPS Training Program to be knowledgeable in erosion prevention and sedimentation control.

- Existing standard contract language
  - Requires contractors to maintain a certified OSRP on-site who has authority to implement BMPs appropriately; and
  - Specifies that contractors must utilize MaineDOT's BMP Manual, as well as other BMPs, to ensure construction site runoff is minimized.

- Stormwater information packages to raise awareness and encourage utilization of targeted BMPs
  - For MTA employees, information will be provided during annual and supplemental training sessions. Informational packages may also be provided via MTA's newsletters and memos posted to employee bulletin boards, as well as through employee meetings, including quarterly Environmental Health & Safety Committee meetings.
  - For contractors, MTA will continue to include contractual requirements provided in the standard contract language that establishes the anticipated expectations for performance and payment. This Target BMP Adoption Plan will also be provided to contractors prior to starting work (e.g., at Pre-Construction meetings).

4.2 TIMELINE AND IMPLEMENTATION SCHEDULE

The timeline and implementation schedule is determined by:

- The training schedule established each year for MTA employees; and
- The solicitation and project award notices each year.

MTA has established a representative training schedule for each year and is similar to the table below.

Date	**Training Type**
April	Erosion and Sediment Control (ESC) and Stormwater Pollution Prevention for Highway Maintenance Supervisors and Foremen
May - June	Spill Prevention Control and Countermeasures Plan (SPCC), Stormwater and Erosion and Sediment Control (ESC) for MTA maintenance and engineering employees.

In addition to the training sessions above, there may be supplemental training sessions as needed and/or new information posters about stormwater BMPs posted at MTA facilities. Newsletters including stormwater information may also be sent each year to employees.

For contractors, targeted BMPs are already being implemented in accordance with contract language and the MaineDOT BMP Manual. However, in Permit Year 2, MTA will begin distributing this Targeted BMP Adoption Plan to contractors.

4.3 RESPONSIBLE PARTY

The primary responsible party at MTA is the Environmental Services Coordinator, John Branscom. The Environmental Services Coordinator may also rely on the following:

- MTA Supervisors, Foremen, Inspectors and/or other personnel to inform MTA employees and contractors of the targeted BMPs to be utilized;
- An environmental consulting firm, such as GZA GeoEnvironmental, Inc, to ensure MTA's employees are trained as defined by the Plan; and
- A design engineering firm, such as HNTB, who administer construction contracts, to ensure the Plan is properly implemented by the contractors.

5.0 EVALUATION PROTOCOL

MTA training is documented with attendance sign-in sheets, exam scores, in-class workshops and evaluation forms. A training database is maintained with information gathered from employees during each training session.

Process Indicators: Assessment of the program execution will be included in the annual report. The following topics will be reported for MTA employees:

1. Number of employees that attended training; and
2. Average exam scores for attendees.

Impact Indicators: Gauging the achievement of goals and objectives of the program will be included in the annual report. These will be addressed by the following behavioral change questions:

1. Number or percentage of employees to identify the goals of MCM #1 correctly;
2. Number or percentage of employees to identify source(s) of storm water pollution;
3. Number or percentage of employees to identify and differentiate between structural and non-structural BMPs; and
4. Number or percentage of employees to demonstrate an applied knowledge of BMP-specific information.

Process and impact indicators for contractors will be tracked and evaluated based on daily and/or weekly inspections conducted on-site.

6.0 PLAN MODIFICATION

This Targeted BMP Adoption Plan may require modification if evaluation data shows that efforts are not effective. Should modifications be needed, the plan will be revised or a new plan will be developed.

EMERGENCY CONTACT LIST
GRAY HIGHWAY MAINTENANCE FACILITY

EMERGENCY COORDINATORS
Discoverer shall contact one of the following in the order presented

Primary Emergency Response Coordinator	Gary Montague, Highway Maintenance Supervisor	Office: (207) 657-5867 Cell phone: (207) 838-6826 Pager: (207) 759-8503
First Alternate Emergency Response Coordinator	Andy Perry, Highway Division Manager	Office: (207) 582-6350 Cell phone: (207) 831-5813 Pager: (207) 759-9721
Second Alternate Emergency Response Coordinator	Wes Jackson, Director of Highway & Equipment Maintenance	Office: (207) 871-7771 ext. 113 Cell phone: (207) 831-5811 Pager: (207) 750-2748

OTHER MTA CONTACTS
Discoverer or EC shall contact each of the following as soon as possible

MTA Communications Center	(207) 871-7771 ext.4
Arlo Pike, Safety Coordinator	(207) 871-7771 ext. 358; cell: 831-8225
John Branscom, Environmental Services Coordinator	(207) 871-7771 ext. 359; cell: 671-3487; pg: 471-0881

OTHER AGENCIES EMERGENCY CONTACT
(EMERGENCY DIAL 911 – other number for reference, if needed)

Gray Fire Department	**911** or (207) 657-3931
Maine State Police	(800) 482-0730
Maine Department of Environmental Protection **Spill Hotline** Central Office	 **(800) 482-0777** (207) 287-7688
Maine Emergency Management Agency (MEMA)	(207) 287-4080
Maine State Emergency Response Commission	(800) 452-4464
Centers for Disease Control	(800) 311-3435
National Response Center	(800) 424-8802
EPA Region 1	(617) 223-7265 (24 hours)

SPILL RESPONSE CONTRACTORS
EC will contact if spill recovery and/or cleanup assistance is required

Petroleum/Fuel Suppliers: No. 2 Fuel Oil: Union Oil Co. Propane: Downeast Energy Motor & Lubricating Oils: Maine Lubrication Services	 (207) 799-1521 (207) 799-5585 (207) 772-6513
Clean Harbors Environmental Services	(207) 799-8111 -
Environmental Projects, Inc.	(207) 786-7390
ENPRO Services, Inc.	(207) 799-0850

When a spill strikes.....

1. Contact Site Emergency Coordinator

If not present when the spill is initially observed the Emergency Coordinator or back-up Coordinator should be immediately contacted. The Coordinator shall then direct actions at the site relative to the spill.

2. Assess the risk:

From the moment a spill occurs and throughout the response, determine the risks that may affect human health, the environment, and property. Always put safety FIRST. If possible, identify the spilled material, its source, and determine how much was spilled. Identify potential receptors (drains, etc). Determine if spill is minor, "Incidental" or "Non-incidental". If "Non-incidental" report immediately to MTA Communication Center. Com Center will contact emergency response agencies. Consider need to evacuate area where spill has occurred.

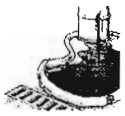
3. Extinguish all sources of ignition

Assess potential fire hazards. Extinguish or remove sources of flame or spark.

4. Select personal protective equipment (PPE):

If spill is " Incidental" and will be cleaned up by site personnel, choose the appropriate PPE to safely respond to the spill. Consult Material Safety Data Sheets (MSDS) and literature from chemical and PPE manufacturers for the best recommendations. If you are uncertain of the danger and the material is unknown, allow outside response agencies to respond to the incident.

5. Confine the spill / protect receptors:



SPEED COUNTS! Limit the spill area by blocking, diverting, or confining the spill. Use contained absorbents including the Socks, Booms and Mats found in spill kits. Stop the flow of the liquid before it has a chance to contaminate a water source. Spill kits are designed to facilitate a quick, effective response.

6. Stop the source:

After the spill is confined, stop the source of the spill. This may simply involve turning a container upright, or plugging a leak from a damaged drum or container. Transfer liquids from the damaged container to an appropriate new one.

7. Evaluate the incident and implement cleanup:

Once the spill is confined and the leak has been stopped, it is time to reassess the incident and develop a plan of action for implementing the spill cleanup. Spills are commonly absorbed. Pillows, mat pads, and absorbent can be used to absorb the remainder of the spill. Simply place the pillows and pads throughout the spill area. Once the absorbents are saturated with solvent, etc., they may be considered hazardous waste and should be disposed of as such. Oil soaked absorbents should be double bagged and shipped to an incinerator. Contact ME DEP or ME Dept of Public Safety to report the spill (if hasn't already been reported by the Communication Center).

8. Decontaminate:

Decontaminate the site, personnel, and equipment by removing or neutralizing the hazardous materials that have accumulated during the spill. This may involve removing and disposing of contaminated media, such as soil, that was exposed during spill incident.

9. Complete required reports

Complete all notifications and paperwork required by local, state, and federal guidelines for reporting spill incidents. Failure to do so can result in penalties. Coordinate with the MTA's Environmental Services Coordinator.

10. Conduct incident analysis

The Environmental Services Coordinator will conduct an incident analysis and develop plans to prevent recurrence.

SAFETY FIRST

SPILL REPORT FORM

Maine Turnpike Authority - Gray Maintenance Facility
Mile 63.3 Southbound (Route 115/202)
Gray, Maine 04039

INCIDENT DESCRIPTION

Is The Spill Reportable? ☐ Yes ☐ No

Location Where Occurred: _____

_____

Date Began: _____ Date Ended: _____

Time Began: _____ ☐ am ☐ pm Time Ended: _____ ☐ am ☐ pm

Spill/Release onto or into: (*check all that apply*) ☐ Air ☐ Ground ☐ Water

Material Spilled/Released: _____

_____

Extremely Hazardous Substance (EHS) Involved? ☐ Yes ☐ No

Amounts Spilled/Released: _____

Amounts Recovered: _____

Source and Cause of the Discharge: _____

_____

_____

Is more spillage possible? ☐ Yes ☐ No **If yes**, amount: _____

Description of All Affected Media (*include weather conditions*): _____

_____

_____

What resources are at risk? (*check all that apply*)

☐ Public Safety ☐ Public Water or Well ☐ Private Water or Well ☐ Atmosphere

☐ Land or Ground ☐ Open Water ☐ Surface Drainage ☐ Storm Sewer

☐ Sanitary Sewer ☐ Vapors in Building ☐ Other (*specify*): _____

Damages or Injuries Caused by Discharge: _____

_____

_____

_____

Is an Evacuation necessary? ☐ Yes ☐ No

Corrective Action(s) Taken: _____

_____

_____

_____

_____

SPILL REPORT FORM

Maine Turnpike Authority - Gray Maintenance Facility
Mile 63.3 Southbound (Route 115/202)
Gray, Maine 04039

NOTIFICATIONS (To be made if spill is reportable)

AGENCY	PHONE NUMBER	CONTACT NAME	DATE/ TIME	REPORTING CRITERIA
Gray Fire Department	911 or 657-3931			If aid is needed to evacuate area
Maine State Police/State Emergency Response Commission (SERC)	1-800-482-0730			If aid is needed to evacuate or respond to spill
Maine Department of Environmental Protection				If spill is >5 gal. or visible sheen is present on surface water
SPILL HOTLINE	1-800-482-0777			
Central Office	287-7688			
Maine Emergency Management Agency (MEMA)	287-4080			If aid is needed to evacuate or respond to spill
National Response Center (NRC)	1-800-424-8802			If visible sheen is present on surface water

OTHER EMERGENCY TELEPHONE NUMBERS (for reference, if needed):	
Environmental Protection Agency, Region 1	1-800-424-8802
Clean Harbors Environmental Services	1-207-799-8111
Environmental Projects, Inc.	1-207-786-7390
ENPRO Services, Inc.	1-207-799-0850
Maine Medical Center, Portland, ME	1-207-662-0111
Poison Control Center	1-800-222-1222

DOCUMENT INSTRUCTIONS GIVEN BY EACH AGENCY NOTIFIED: *(attach sheets as necessary)*

_____

_____

REVIEW AND APPROVAL

PREPARER OF SPILL REPORT:

_____

(printed name) (signature) (date)

CONTRACTOR SITE SUPERVISOR:

_____

(printed name) (signature) (date)

FACILITY OPERATOR:

_____

(printed name) (signature) (date)

NOTE: In the event of a spill, Table 4 of this Plan should be updated; a copy of this *Spill Report* **must** be retained in Appendix D. A *BMP Incident and Corrective Actions Report* (see Appendix F-2) may also need to be completed and retained as part of this Plan.

APPENDIX F
ROUTINE FACILITY INSPECTION REPORTS

INSTRUCTIONS FOR MTA'S HIGHWAY MAINTENANCE FACILITY'S SPCC INSPECTION PROGRAM:

MONTHLY

1. Complete inspection items #1 through #5 on
Appendix F - Inspection Checklist
(If any issues present during inspection, complete
Appendix F-2 - BMP/PM Incident and Corrective Action Report).

2. Inventory Spill Equipment using pages 6 through 9 of **Inspection Checklist.**

3. Submit completed **Inspection Checklist**
(*and any **Corrective Action Reports**, if necessary*)
to the Environmental Services Coordinator for review and certification.

4. Maintain copies of the completed **Inspection Checklists**
in the facility's environmental file located in the Foreman's office.

QUARTERLY

1. In addition to the Monthly procedures listed above,
complete inspection items #6 through #18 on
Appendix F - SPCC/SWPPP Inspection Checklist
(If any issues present during inspection, complete
Appendix F-2 - BMP/PM Incident and Corrective Action Report).

2. Inventory Spill Equipment using pages 6 through 9 of **Inspection Checklist.**

3. Submit completed **Inspection Checklist**
(*and any **Corrective Action Reports**, if necessary*)
to the Environmental Services Coordinator for review and certification.

4. Maintain copies of the completed **Inspection Checklists**
in the facility's environmental file located in the Foreman's office.

APPENDIX F
SPCC/SWPPP INSPECTION CHECKLIST

Date: _____ Inspection Completed By: _____ Wet or Dry Weather: _____

POLLUTANTS ENTERING DRAINAGE SYSTEMS

Is there any evidence of pollutants entering the storm water conveyance systems from the following areas?

SOURCE # / AREA INSPECTED / INSPECTION ITEMS – REGULATORY PROGRAM	INSPECTION FREQUENCY	YES / NO (Check Box)[1]	
1. No. 2 Fuel Oil / Underground storage tank (UST) Western side of Building #2 (Paint/Body Shop) - SWPPP SPCC			
- Post a sign at the fill port that warns the driver to disconnect the filling hose and inspect the vehicle for leakage before departure.	Monthly	Yes ☐	No ☐
- Fill port is flush-mounted on the paved driveway and securely capped.	Monthly	Yes ☐	No ☐
- Work areas are maintained in clean and orderly condition.	Monthly	Yes ☐	No ☐
- Inspections of the UST fill port area and surrounding ground surfaces confirm the absence of spills or leaks.	Monthly	Yes ☐	No ☐
- A high level alarm system (audible and visual) is provided at the fill port to ensure proper filling of the UST.	Monthly	Yes ☐	No ☐
2. Virgin Petroleum Products / Motor oil, Hydr/Trans fluids, Lubricants, Rust Preventive Bulk storage (ASTs) within Bldg #3 (3-Bay garage); 55-gallon drums and other misc. containers located in Bldgs #2 and #6 - SPCC			
- Work areas are maintained in clean and orderly condition.	Monthly	Yes ☐	No ☐
- Areas where petroleum products are stored are inspected for evidence of spill or other pollutants discharged or contacting storm water as part of the facility's inspection program.	Monthly	Yes ☐	No ☐
- All containers are properly and plainly labeled.	Monthly	Yes ☐	No ☐
- All containers are maintained in good condition, compatible with its contents and stored in doors on appropriate secondary containment pallets.	Monthly	Yes ☐	No ☐
- Spill response equipment (see Table 3) is located proximate to petroleum storage areas and is available for use during an accidental release.	Monthly	Yes ☐	No ☐
3. Loading/Unloading Areas / No. 2 fuel unloaded at Bldg #2 (Paint/Body Shop) into UST. Holding tank (UST) at Bldg #3 (3-bay garage) cleaned out periodically - SWPPP SPCC			
- Loading/unloading areas are maintained in clean and orderly condition.	Monthly	Yes ☐	No ☐
- Loading/unloading areas are inspected for evidence of spills or other pollutants discrhaged or contacting storm water as part of the facility's routine inspection program (and also prior to delivery truck departure).	Monthly	Yes ☐	No ☐

(1) If the answer is "No" to any of the inspection items, identify the specific conditions observed for each source on the reverse side of this page, and initiate corrective actions. Document corrective actions using the "BMP INCIDENT AND CORRECTIVE ACTION REPORT."

APPENDIX F
SPCC/SWPPP INSPECTION CHECKLIST

Date: _____ Inspection Completed By: _____ Wet or Dry Weather: _____

POLLUTANTS ENTERING DRAINAGE SYSTEMS

Is there any evidence of pollutants entering the storm water conveyance systems from the following areas?

SOURCE # / AREA INSPECTED / INSPECTION ITEMS – REGULATORY PROGRAM	INSPECTION FREQUENCY	YES / NO (Check Box)[1]
4. Used Oil / Two 55-gallon drums located in Building 3 (3-Bay garage/Vehicle Maintenance Area) - SWPPP SPCC		
- Spill response equipment (see Table 3) is located proximate to waste oil generation and storage area and is available for use during and accidental release.	Monthly	Yes ☐ No ☐
- Areas where waste oil is generated, accumulated, and/or stored are inspected for evidence of spills or other pollutants contacting storm water.	Monthly	Yes ☐ No ☐
- All containers are properly and plainly labeled.	Monthly	Yes ☐ No ☐
- All containers are maintained in good condition, compatible with its contents and stored indoors on appropriate secondary containment.	Monthly	Yes ☐ No ☐
5. Machinery with oil resevoirs / Storage of three machines with oil resevoirs in Building 7 (4-Bay Garage) - SWPPP SPCC		
- Spill response equipment (see Table 3) is located proximate to machinery storage area and is available for use during and accidental release and includes catch basin drain mats.	Monthly	Yes ☐ No ☐
- Machinery storage areas are inspected on a regular basis for evidence of spills, leaks, or pollutants that may have the potential to contact storm water.	Monthly	Yes ☐ No ☐
- Machinery storage areas are maintained in a clean and orderly condition.	Monthly	Yes ☐ No ☐
6. Antifreeze / Virgin and spent antifreeze Stored within Bldg #3 (if spent antifreeze is characterized as hazardous waste, this spent antifreeze is stored in HazWaste Storage Bldg) - SWPPP HazWaste		
- All containers are properly and plainly labeled.	Quarterly	Yes ☐ No ☐
- Spill response equipment (see Table 3) is located proximate to antifreeze storage and is available for use during an accidental release.	Quarterly	Yes ☐ No ☐
- Work areas are maintained in clean and orderly condition.	Quarterly	Yes ☐ No ☐
- All containers are maintained in good condition, compatible with its contents and stored in doors on appropriate secondary containment pallets.	Quarterly	Yes ☐ No ☐
- Areas where antifreeze is stored are inspected for evidence of spills or other pollutants discharged or contacting storm water (Note: hazardous waste storage areas require daily inspections).	Quarterly	Yes ☐ No ☐

(1) If the answer is "No" to any of the inspection items, identify the specific conditions observed for each source on the reverse side of this page, and initiate corrective actions. Document corrective actions using the "BMP INCIDENT AND CORRECTIVE ACTION REPORT."

APPENDIX F
SPCC/SWPPP INSPECTION CHECKLIST

Date: _____ Inspection Completed By: _____ Wet or Dry Weather: _____

POLLUTANTS ENTERING DRAINAGE SYSTEMS

Is there any evidence of pollutants entering the storm water conveyance systems from the following areas?

SOURCE # / AREA INSPECTED / INSPECTION ITEMS – REGULATORY PROGRAM	INSPECTION FREQUENCY	YES / NO (Check Box)[1]
7. Paint and paint by-products / Vehicle paint and paint thinner **Bulk storage within Bldg #2 (Paint/Body Shop); small paint cabinet in Bldg #6 (8-bay) for touch-up paint storage - SWPPP HazWaste**		
- Work areas are maintained in clean and orderly condition.	Quarterly	Yes ☐ No ☐
- Areas where paint and paint by-products are used are inspected for evidence of spills or other pollutants discharged or contacting storm water as part of the facility's regular inspection program (Note: haz. waste storage areas require daily inspections).	Quarterly	Yes ☐ No ☐
- Spill response equipment (see Table 3) is located proximate to painting operations and is available for use during an accidental release.	Quarterly	Yes ☐ No ☐
- All containers are maintained in good condition, compatible with its contents and stored in doors on appropriate secondary containment pallets.	Quarterly	Yes ☐ No ☐
- All containers are properly and plainly labeled.	Quarterly	Yes ☐ No ☐
8. Sandpiles (Indoor Storage) / Sand **Stockpiled within Bldg #10 (Sand/Salt Storage) - SWPPP**		
- The area surrounding indoor sand stockpiles is inspected for evidence of spills or other pollutants contacting storm water as part of the facility's quarterly storm water inspection program.	Quarterly	Yes ☐ No ☐
- Work areas are maintained in clean and orderly condition.	Quarterly	Yes ☐ No ☐
9. Sandpiles (Outdoor Storage) / Sand and Gravel Stockpiles **Northeastern corner of the facility, behind Bldg #6 (8-bay garage) - SWPPP**		
- Work areas are maintained in clean and orderly condition.	Quarterly	Yes ☐ No ☐
- Sand piles are inspected for evidence of spills or other pollutants contacting stormwater, as well as erosion, as part of the facility's quarterly storm water inspection program.	Quarterly	Yes ☐ No ☐
10. Salt Piles (Indoor Storage) / Salt **Stockpiled within Bldg #1 (Salt Shed) - SWPPP**		
- Work areas are maintained in clean and orderly condition.	Quarterly	Yes ☐ No ☐
- Salt piles are inspected for evidence of spills or pollutants, such salt, potentially contacting storm water as part of the facility's quarterly storm water inpection program.	Quarterly	Yes ☐ No ☐

(1) If the answer is "No" to any of the inspection items, identify the specific conditions observed for each source on the reverse side of this page, and initiate corrective actions. Document corrective actions using the "BMP INCIDENT AND CORRECTIVE ACTION REPORT."

APPENDIX F
SPCC/SWPPP INSPECTION CHECKLIST

Date: _____ Inspection Completed By: _____ Wet or Dry Weather: _____

POLLUTANTS ENTERING DRAINAGE SYSTEMS

Is there any evidence of pollutants entering the storm water conveyance systems from the following areas?

SOURCE # / AREA INSPECTED / INSPECTION ITEMS – REGULATORY PROGRAM	INSPECTION FREQUENCY	YES / NO (Check Box)[1]	
11. Outdoor Materials and Equipment Storage / Signs, guardrails, arrow and message board trailers, plows, salt racks, tires, etc. stored outdoors around yard - SWPPP			
- Outdoor storage areas are maintained in clean and orderly condition.	Quarterly	Yes ☐	No ☐
- Areas of outdoor material and equipment storage are inspected for evidence for evidence of spills or pollutants contacting storm water as part of the facility's quarterly storm water inspection program.	Quarterly	Yes ☐	No ☐
12. Calcium Chloride (CaCl) Deicing Solution / Liquid CaCl Deicing Solution Tank located outside beside Bldg #1 (Salt Shed) - SWPPP			
- Work areas are maintained in clean and orderly condition.	Quarterly	Yes ☐	No ☐
- This tank and surrounding area is inspected for evidence of spills or other pollutants discharged or contacting storm water as part of the facility's quarterly storm water inspection program.	Quarterly	Yes ☐	No ☐
13. Outdoor Storage of Scrap Materials/Waste Debris / Rubber, wood, metal and concrete debris Stockpiled outdoors in the northern portion of GMF behind the 4- and 8-bay garages - SWPPP			
- Outdoor storage areas are maintained in clean and orderly condition.	Quarterly	Yes ☐	No ☐
- Areas where outdoor storage of scrap materials and waste debris is accumulated and/or stored are inpsected for evidence of spills or other pollutants discharged or contacting storm water as part of the facility's routine inspection program	Quarterly	Yes ☐	No ☐
14. Municipal Solid Waste (MSW) / Municipal solid waste dumpster Located behind Bldg #6 (8-bay garage) - SWPPP			
- The MSW container and the surroudning area are maintained in clean and orderly condition.	Quarterly	Yes ☐	No ☐
- MSW containers are inspected for evidence of spills or other pollutants discharged or contacting storm water as part of the facility's regular inspection program.	Quarterly	Yes ☐	No ☐
15. Vehicle Parking Awaiting Maintenance / Vehicles (e.g., trucks) and equipment (e.g., tractor) parked around yard outside - SWPPP			
- Confine the storage of leaky or leak-prone vehicles/equipment awaiting maintenance to deisgnated areas. At GMF, leaky/leak-prone vehicles are serviced indoors immediately. Vehicles/equipment parked outside awaiting maintenance are inspected regularly.	Quarterly	Yes ☐	No ☐
- Areas where vehicle/equipment parking occurs are maintained in clean and orderly condition.	Quarterly	Yes ☐	No ☐

(1) If the answer is "No" to any of the inspection items, identify the specific conditions observed for each source on the reverse side of this page, and initiate corrective actions. Document corrective actions using the "BMP INCIDENT AND CORRECTIVE ACTION REPORT."

APPENDIX F
SPCC/SWPPP INSPECTION CHECKLIST

Date: _____ Inspection Completed By: _____ Wet or Dry Weather: _____

POLLUTANTS ENTERING DRAINAGE SYSTEMS

Is there any evidence of pollutants entering the storm water conveyance systems from the following areas?

SOURCE # / AREA INSPECTED / INSPECTION ITEMS – REGULATORY PROGRAM	INSPECTION FREQUENCY	YES / NO (Check Box)[1]
15. Vehicle Parking Awaiting Maintenance / Vehicles (e.g., trucks) and equipment (e.g., tractor) parked around yard outside - SWPPP		
- Areas where vehicles/equipment are parked awaiting maintenance/repair are inpsected for evidnece of spills or other pollutants discharged or contacting storm water as part of the facility's routine inspection program.	Quarterly	Yes ☐ No ☐
16. Vehicle and Equipment Maintenance / Vehicle and Equipment Maintenance Primarily performed within Bldg #3 (3-bay garage); some other routine maintenance (fluids top off, vehicle washing, etc.) in Bldgs #6 and #7 - SWPPP SPCC		
- Vehicle and equipment maintenance areas are inspected on a regular basis for evidence of spills, leaks or pollutants that may have the potential to contact storm water.	Quarterly	Yes ☐ No ☐
- Work areas are maintained in clean and orderly condition.	Quarterly	Yes ☐ No ☐
- Areas where vehicle and equipment maintenance, repair and/or washing occur are inspected for evidence of spills or other pollutants dicharged to or contacting storm water as part of the facility's routine inspection program.	Quarterly	Yes ☐ No ☐
17. Significant Dust or Particulate / Sand and Gravel piles/unpaved areas, sand and bead blasting of snow plows and associated equipment Located in northern portion of GMF - SWPPP		
- Areas susceptible to erosion are inspected as part of the facility's regular inspection program. Inspection in this area includes identifying any evidence of erosion or evidence of spills or pollutants discharged or contacting storm water.	Quarterly	Yes ☐ No ☐
18. Authorized Non-Storm Water Discharge / Air condition condensate Two window-mount AC units in office area of Bldg #3 (3-bay garage) - SWPPP		
- Areas where air conditioning condensate may be discharged are inspected as part of the facility's routine inspection program.	Quarterly	Yes ☐ No ☐
19. Vehicle Washing Area / Vehicle rinsing outdoors (washing performed within garage plumbed to holding tank) / Rinse water runs off to vegetated strip or catch basin; washwater collected in holding tank - SWPPP		
- Vehicle rinse area maintained in clean and orderly condition.	Quarterly	Yes ☐ No ☐
- Excessive sediments, sand and gravel are swept and removed from area on a regular basis.	Quarterly	Yes ☐ No ☐
- Designated vehicle wash and rinse areas are inspected on a regular basis for evidence of spills, leaks, or other pollutants discharged or contacting stormwater as part of the facility's regular inspection program (including excessive sand and sediment).	Quarterly	Yes ☐ No ☐

(1) If the answer is "No" to any of the inspection items, identify the specific conditions observed for each source on the reverse side of this page, and initiate corrective actions. Document corrective actions using the "BMP INCIDENT AND CORRECTIVE ACTION REPORT."

APPENDIX F
SPCC/SWPPP INSPECTION CHECKLIST

Date: _____ Inspection Completed By: _____ Wet or Dry Weather: _____

POLLUTANTS ENTERING DRAINAGE SYSTEMS

Is there any evidence of pollutants entering the storm water conveyance systems from the following areas?

SOURCE # / AREA INSPECTED / INSPECTION ITEMS – REGULATORY PROGRAM	INSPECTION FREQUENCY	YES / NO (Check Box)[1]

SPILL EQUIPMENT USED AT THIS FACILITY:

(If Tamper Device is present, no further inspection is required)

Spill Kit-01

Location: Building #2 (Paint/Body Shop)

Contents:	*Present?*
Tamper proof labels	Y ☐ N ☐
Sorbent Pillows (4)	Y ☐ N ☐
Shovels - Spark proof	Y ☐ N ☐
Rubber gloves	Y ☐ N ☐
Rags	Y ☐ N ☐
Push Brooms	Y ☐ N ☐
Goggles	Y ☐ N ☐
Emergency Response Guide	Y ☐ N ☐
65 gallon over-pack drum	Y ☐ N ☐
30 or 55 gallon drum	Y ☐ N ☐
10' Socks (14)	Y ☐ N ☐

Spill Kit-02

Location: Building #2 (Paint/Body Shop)

Contents:	*Present?*
Box of Spill Magic powder absobent	Y ☐ N ☐

Spill Kit-03

Location: Building #2 (Paint/Body Shop)

Contents:	*Present?*
Box of sorbent pads	Y ☐ N ☐

(1) If the answer is "No" to any of the inspection items, identify the specific conditions observed for each source on the reverse side of this page, and initiate corrective actions. Document corrective actions using the "BMP INCIDENT AND CORRECTIVE ACTION REPORT."

APPENDIX F
SPCC/SWPPP INSPECTION CHECKLIST

Date: _____ Inspection Completed By: _____ Wet or Dry Weather: _____

POLLUTANTS ENTERING DRAINAGE SYSTEMS

Is there any evidence of pollutants entering the storm water conveyance systems from the following areas?

SOURCE # / AREA INSPECTED / INSPECTION ITEMS – REGULATORY PROGRAM	INSPECTION FREQUENCY	YES / NO (Check Box)[1]

Spill Kit-04

Location: Building #3 (3-bay garage)

Contents:	*Present?*
Tamper proof labels	Y ☐ N ☐
Sorbent Pillows (4)	Y ☐ N ☐
Shovels - Spark proof	Y ☐ N ☐
Rubber gloves	Y ☐ N ☐
Rags	Y ☐ N ☐
Push Brooms	Y ☐ N ☐
Goggles	Y ☐ N ☐
Emergency Response Guide	Y ☐ N ☐
30 gallon overpack drum	Y ☐ N ☐
10' Socks (4)	Y ☐ N ☐

Spill Kit-05

Location: Building #3 (3-Bay garage)

Contents:	*Present?*
Box of Spill Magic powder absobent	Y ☐ N ☐

Spill Kit-06

Location: Building #3 (3-Bay garage)

Contents:	*Present?*
Box of sorbent pads	Y ☐ N ☐

Spill Kit-07

Location: Building #3 (3-Bay Garage)

Contents:	*Present?*
Acid Spill Kit	Y ☐ N ☐

Spill Kit-08

Location: Building #6 (8-bay garage)

Contents:	*Present?*
Box of Spill Magic powder absobent	Y ☐ N ☐
Box of sorbent pads	Y ☐ N ☐

Spill Kit-09

Location: Building #6 (8-bay garage)

Contents:	*Present?*
Acid Spill Kit	Y ☐ N ☐

(1) If the answer is "No" to any of the inspection items, identify the specific conditions observed for each source on the reverse side of this page, and initiate corrective actions. Document corrective actions using the "BMP INCIDENT AND CORRECTIVE ACTION REPORT."

APPENDIX F
SPCC/SWPPP INSPECTION CHECKLIST

Date: _____ Inspection Completed By: _____ Wet or Dry Weather: _____

POLLUTANTS ENTERING DRAINAGE SYSTEMS

Is there any evidence of pollutants entering the storm water conveyance systems from the following areas?

SOURCE # / AREA INSPECTED / INSPECTION ITEMS – REGULATORY PROGRAM	INSPECTION FREQUENCY	YES / NO (Check Box)[1]

Spill Kit-10

Location: Building #7 (4-bay garage)

Contents:	*Present?*
Shovels - Spark proof	Y ☐ N ☐
Push Brooms	Y ☐ N ☐
Box of Spill Magic powder absobent	Y ☐ N ☐
Box of sorbent pads	Y ☐ N ☐

Spill Kit-11

Location: Building #7 (4-bay garage)

Contents:	*Present?*
Acid Spill Kit	Y ☐ N ☐

Spill Kit-12

Location: Emergency Electrical Generator Building

Contents:	*Present?*
Tamper Proof labels (6)	Y ☐ N ☐
Sorbent Wiper Pads (56)	Y ☐ N ☐
Sorbent Pillows (4)	Y ☐ N ☐
PIG Mat Pads (24)	Y ☐ N ☐
Instruction Manual	Y ☐ N ☐
Emergency Response Guide	Y ☐ N ☐
Disposal bags and ties (13)	Y ☐ N ☐
Box of Spill Magic powder absobent	Y ☐ N ☐
Box of sorbent pads	Y ☐ N ☐
48" Socks (5)	Y ☐ N ☐
35 gallon overpack drum	Y ☐ N ☐
10' Socks (14)	Y ☐ N ☐

Spill Kit-13

Location: Building #1 (Salt Shed)

Contents:	*Present?*
Box of sorbent pads	Y ☐ N ☐

Spill Kit-14

Location: Building #10 (Sand Storage Shed)

Contents:	*Present?*
Box of sorbent pads	Y ☐ N ☐

(1) If the answer is "No" to any of the inspection items, identify the specific conditions observed for each source on the reverse side of this page, and initiate corrective actions. Document corrective actions using the "BMP INCIDENT AND CORRECTIVE ACTION REPORT."

APPENDIX F
SPCC/SWPPP INSPECTION CHECKLIST

Date: _____ Inspection Completed By: _____ Wet or Dry Weather: _____

POLLUTANTS ENTERING DRAINAGE SYSTEMS

Is there any evidence of pollutants entering the storm water conveyance systems from the following areas?

SOURCE # / AREA INSPECTED / INSPECTION ITEMS – REGULATORY PROGRAM	INSPECTION FREQUENCY	YES / NO (Check Box)[1]

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 the 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 fine and imprisonment for knowing violations.

Reviewed by (John Branscom, Environmental Services Coordinator): _____ Date: _____

(1) If the answer is "No" to any of the inspection items, identify the specific conditions observed for each source on the reverse side of this page, and initiate corrective actions. Document corrective actions using the "BMP INCIDENT AND CORRECTIVE ACTION REPORT."

APPENDIX F-2
BMP/PM INCIDENT AND CORRECTIVE ACTION REPORT

Instructions:	This worksheet is to be completed when evidence of pollutants entering the storm water system or ineffective BMPs/PMs are identified. When complete, this report should be attached to the activity record that initiated this corrective action.

Report Initiated by: ☐ Monthly SPCC Inspection ☐ Quarterly Stormwater Inspection ☐ Other_____

Date:	Time:	Potential Pollutant Source Number (if applicable):

Report Completed by:

1. Observations:

2. Are additional BMPs/Pms appropriate? If any changes are necessary including repair or maintenance, describe change needed and date completed below:

Change/Activity	Date Completed

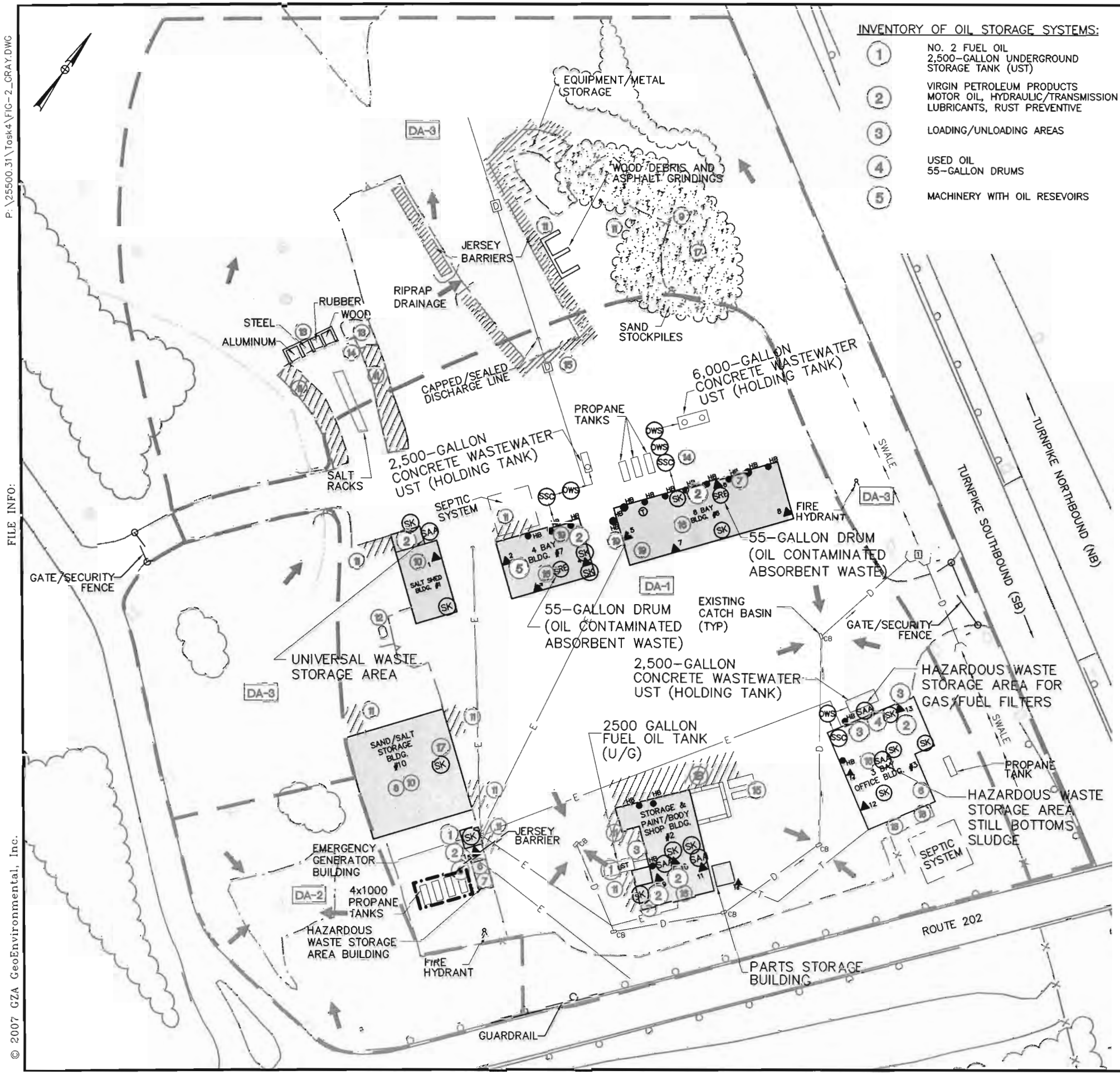
I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the 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 fine and imprisonment for knowing violations.

Reviewed By:_____
Authorized Signature

Date:_____

P:\25500.31\Task4\FIG-2_GRAY.DWG

FILE INFO:



INVENTORY OF OIL STORAGE SYSTEMS:

1. NO. 2 FUEL OIL 2,500-GALLON UNDERGROUND STORAGE TANK (UST)
2. VIRGIN PETROLEUM PRODUCTS MOTOR OIL, HYDRAULIC/TRANSMISSION FLUID, LUBRICANTS, RUST PREVENTIVE
3. LOADING/UNLOADING AREAS
4. USED OIL 55-GALLON DRUMS
5. MACHINERY WITH OIL RESEVOIRS

LEGEND:

- DRAINAGE AREA BOUNDARY
- DA-1 DRAINAGE AREA NUMBER
- GENERAL DIRECTION OF STORM WATER FLOW
- EDGE OF PAVEMENT
- GUARDRAIL
- DRAINAGE SWALE
- 1 OUTFALL LOCATION AND NUMBER
- 1 OIL STORAGE LOCATIONS
- 10 NON- SPCC POTENTIAL STORM WATER POLLUTANT SOURCE AREAS (REFER TO TABLE 6 FOR DESCRIPTION OF SOURCE AREAS)
- OUTDOOR EQUIPMENT/MATERIAL STORAGE
- OUTDOOR SAND STOCKPILE
- FIRE HYDRANT
- WETLAND AREAS
- HB HOSE BIB (WATER)
- 12 FIRE EXTINGUISHER
- SK SPILL KIT
- SRE SPILL RESPONSE EQUIPMENT
- OWS 250-GAL. OIL/WATER SEPARATOR
- SSC SOLIDS SETTLING CHAMBER
- SAA HAZARDOUS OR UNIVERSAL WASTE SATELLITE ACCUMULATION AREA (SAA)
- D DRAINAGE LINES
- T TELEPHONE LINES
- E ELECTRIC LINES
- CB CATCH BASIN

NOTES:

1.) THE BASE MAP WAS PREPARED FROM A FIGURE INCLUDED AS PART OF THE CONTINGENCY PLAN FOR THE MTA GRAY MAINTENANCE FACILITY THAT WAS ORIGINALLY PROVIDED BY HNTB CORPORATION. UPDATES TO THE BASE MAP AND ADDITIONAL SITE FEATURES WERE ESTIMATED VISUALLY BY GZA PERSONNEL DURING THE FEBRUARY 2003 SITE VISIT AND SHOULD BE CONSIDERED APPROXIMATE LOCATIONS.

2.) DRAINAGE AREAS AND PATHWAYS SHOWN ON THIS PLAN HAVE BEEN DRAWN BASED ON TOPOGRAPHY AND SITE FEATURES PRESENT AT THE TIME OF GZA'S FEBRUARY 2003 SITE VISIT. THE OUTFALL DESIGNATIONS CORRESPOND TO DRAINAGE AREA DESIGNATIONS.

3.) NOT ALL UNDERGROUND UTILITIES ARE SHOWN. THE LOCATIONS OF THE INDICATED UNDERGROUND DRAINAGE AND UTILITIES IS APPROXIMATE.

GRAPHIC SCALE 0' 80' 160' / 80'

GZA GeoEnvironmental, Inc.
Engineers and Scientists
4 FREE STREET
PORTLAND, MAINE 04101
(207)879-9190

DES'D BY : MKA
CHK'D BY : RLS
APP'D BY : RAB
DRAWN BY : JRT
SCALE : 1"=80'
DATE : OCT 2008

INTEGRATED STORM WATER POLLUTION PREVENTION AND SPILL PREVENTION, CONTROL AND COUNTERMEASURE PLAN

GRAY, MAINE

SITE PLAN

PROJECT No.: 25500.31

FIGURE No.: 2

ATTACHMENT B

LOGS OF PUBLIC MEETINGS, NOTICES & OTHER EVENTS

ATTACHMENT B - MEETING LOGS
MTA MS4 Annual Progress Report

Log 1 - Interlocal Stormwater Group Meetings MTA has Attended		
Date	**Activity Attended and Location**	**Persons Attended**
5/21/2009	Westbrook Housing Authority Conf. Rm.	J.P.
3/19/2009	Westbrook Housing Authority Conf. Rm.	J.B. & R.S.
2/19/2009	Westbrook Housing Authority Conf. Rm.	R.S.
1/15/2009	Westbrook Housing Authority Conf. Rm.	R.S., J.B.
11/20/2008	Westbrook Housing Authority Conf. Rm.	R.S., J.B.
10/15/2008	Westbrook Housing Authority Conf. Rm.	R.S.
9/25/2008	Westbrook Housing Authority Conf. Rm.	R.S.
9/18/2008	Westbrook Housing Authority Conf. Rm.	R.S.
7/17/2008	Westbrook Housing Authority Conf. Rm.	R.S.
6/19/2008	Westbrook Housing Authority Conf. Rm.	R.S.
5/15/2008	South Portland Library	J.B., R.S.
3/20/2008	Westbrook Housing Authority Conf. Rm.	J.B., R.S.
2/20/2008	Westbrook Housing Authority Conf. Rm.	R.S.
1/31/2008	Westbrook Housing Authority Conf. Rm.	R.S.
11/15/2007	Westbrook Housing Authority Conf. Rm.	J.B
6/21/2007	Westbrook Housing Authority conf. Rm.	J.B.
5/2/2007	Westbrook Housing Authority conf. Rm	J.B.
2/8/2007	Westbrook Housing Authority conf. Rm	R.S.
12/21/2006	Westbrook Housing Authority conf. Rm	R.S.
10/26/2006	Westbrook Housing Authority conf. Rm	R.S.
9/21/2006	Westbrook Housing Authority conf. Rm	R.S.
7/12/2006	Westbrook Housing Authority conf. Rm	R.S.
5/18/2006	Westbrook Housing Authority conf. Rm	R.S.
3/16/2006	Wesbrook Housing Authority conf. Rm	R.S.
1/19/2006	Westbrook Housing Authority conf. Rm	R.S.
7/21/2005	Westbrook Housing Authority conf. Rm.	A.G.
5/19/2005	Westbrook Housing Authority Conf. Rm.	A.G.
4/21/2005	Westbrook Housing Authority Conf. Rm.	A.G.
3/17/2005	Westbrook Housing Authority Conf. Rm.	A.G.
2/17/2005	Westbrook Housing Authority Conf. Rm.	A.G.
12/16/2004	Westbrook Housing Authority Conf. Rm.	J.B.
11/18/2004	Westbrook Housing Authority Conf. Rm.	J.B.
10/21/2004	Westbrook Housing Authority Conf. Rm.	J.B.
9/22/2004	MEDEP, 312 Canco Road, Portland	A.G.
8/11/2004	Westbrook Housing Authority conf. Rm.	J.B
7/15/2004	Westbrook Housing Authority conf. Rm.	A.G.
6/22/2004	Westbrook Housing Authority Conf Rm.	J.B
5/20/2004	Westbrook Housing Authority Conf Rm.	A.G.
4/15/2004	Westbrook Housing Authority Conf Rm.	J.B.
3/18/2004	Westbrook Housing Authority Conf Rm.	J.B
2/23/2004	Westbrook Housing Authority Conf Rm.	J.B
1/22/2004	Westbrook Housing Authority Conf Rm.	J.B & S.N
12/18/2003	ME ANG Armory, South Portland	J.B & S.N & R.S & A.G
11/13/2003	ME ANG Armory, South Portland	S.N
9/4/2003	ME ANG Armory, South Portland	S.N
8/7/2003	ME ANG Armory, South Portland	J.B & S.N & R.S & A.G
7/10/2003	ME ANG Armory, South Portland	J.B & S.N & R.S
6/3/2003	ME ANG Armory, South Portland	J.B & S.N & R.S
5/15/2003	ME ANG Armory, South Portland	J.B & S.N & R.S
5/1/2003	ME ANG Armory, South Portland	J.B & S.N & R.S

ATTACHMENT B - MEETING LOGS
MTA MS4 Annual Progress Report

Log 1 - Interlocal Stormwater Group Meetings MTA has Attended		
Date	**Activity Attended and Location**	**Persons Attended**
3/26/2003	Barron Center, Portland	A.G.
2/26/2003	ME ANG Armory, South Portland	J.B & S.N
1/29/2003	ME ANG Armory, South Portland	J.B & S.N
1/8/2003	ME ANG Armory, South Portland	S.N
12/6/2002	ME ANG Armory, South Portland	J.B & S.N
11/14/2002	ME ANG Armory, South Portland	J.B & S.N
10/23/2002	ME ANG Armory, South Portland	J.B & S.N
LEGEND:		
A.G (Amy Grace) - MTA Environmental Safety Specialist		
J.B. (John Branscom) - MTA Environmental Service Coordinator		
R.S. (Robyn Saunders) - GZA, Inc., Representing MTA		
*J. P. (Jennifer Pisani), - GZA, Inc. Representing MTA		
S.N. (Sharon Newman) - Preti & Flaherty, LLC. Representing MTA		

ATTACHMENT B - MEETING LOGS
MTA MS4 Annual Progress Report

Log 2 - Other Stormwater Meetings and Events MTA has Attended

Date	Activity Attended and Location	Persons Attended
9/3/2009	Mtg at MTA with MaineDOT to discuss Long Creek PLA	R.H. & P.N. & J.A. & R.S.
8/27/2009	Mtg at Fairchild Semiconductor to discuss Long Creek PLA	J.A. & R.S. & P.N.
8/13/2009	Mtg at MTA with MaineDOT to discuss Long Creek	J.A. & S.T. & R.S. & P.N. & R.H. & T.K.
8/12/2009	Mtg at PWD to discuss Long Creek PLA	J.A. & R.S. & P.N. & R.H.
8/5/2009	Mtg at PWD to discuss Long Creek PLA	JA & JB & RS & RP & RH
8/5/2009	Mtg at MTA with MaineDOT to discuss Long Creek	JA & JB & RS & RP & RH
7/31/2009	Mtg at Sable Oaks to discuss Long Creek PLA	RS & TK & RP
7/16/2009	MTA Supervisors Mtg to discuss Post-Construction requirements	RS & JB & WJ & BW & Foremen
7/15/2009	DEP Public Meeting on Long Creek GP	JA & JB & RS
7/9/2009	Mtg at PWD to discuss Long Creek PLA	RS & JA
7/6/2009	In-house meeting to discuss Post-Construction requirements	RS & ST & PM & SL & BW
6/24/2009	Conf call w/MaineDOT re Long Creek permitting requirements	RS & SN & JB & PN & RH & RP
6/16/2009	Conf call w/DEP, MaineDOT and CCSWCD	JB & SN & RS & ST & TLP & DW
6/11/2009	Mtg at PWD for Long Creek Landowners	JB & SN & RS
6/9/2009	Mtg at DEP to discuss Long Creek stormwater requirements	JB & JA & ST & RS & SN & JD & DW
5/28/2009	Public Meeting for Town Councilors of Long Creek watershed	SN & RS & RH
5/24/2009	Site walk of MTA property in Long Creek w/DEP	JB & RS & JD
4/16/2009	Facilitated meeting at MM 23.2 Branch Brook Tour at Retention Basins (Wells/Kennebunk Water District)	J.B. & Southern Maine Source Water Protection & Collaboration Workshop
4/16/2009	MTA Supervisors Mtg to discuss annual MS4 IDDE inspections at Crosby Maintenance - refresher training on CB/Ofs Insp. & Cleaning	RS & JB & WJ & BW & Foremen
4/16/2009	MTA Board Meeting (address Long Creek)	JA & PM & ST
4/14/2009	Mtg at DEP to discuss Long Creek stormwater requirements	JB & SN & RS & ST & JA & DW & JD
4/3/2009	MTA Supervisors Meeting to review Ch 500/MOA and BMP requirements	JB & RS & WJ & BW & Foremen
3/31/2009	In-house MTA meeting to review contract language and BMPs	JB & RS & ST & RD
3/27/2009	Long Creek Steering Committee Meeting at PWD	SN & TLP
3/25/2009	DEP Meeting re: Long Creek watershed	SN & RS & JB & DW & TLP
3/18/2009	Long Creek Monitoring Committee Meeting	RS & PN & JD & DW & TLP
2/27/2009	In-house meeting to review draft MS4 Awareness and BMP Adoption Plans	JB & RS
2/11/2009	In-house meeting to review stormwater BMPs in Long Creek	JB & RS & SN & PM & ST & RD
1/30/2009	Long Creek Steering Committee Meeting at PWD	SN & JB & RS & DW & TLP
1/22/2009	Long Creek Stakeholders Meeting	JB & SN & RS & DW & TLP
12/18/2009	Long Creek Steering Committee Meeting	JB & RS & SN & DW & TLP
12/16/2008	Annual Environmental Briefing to MTA Authority BD.	J.B. & MTA Executive Mgm't & Auth. BD.
12/8/2008	M&O Committee Meeting	RS & PN & RH & DW & JD & TLP
11/21/2008	Long Creek M&O Committee meeting	RS & JB & SN & PN & JD & DW & TLP
11/20/2008	Supervisors Meeting to review IDDE MGs accomplished/to be accomplished	JB & RS & WJ & BW & Foremen
11/19/2008	In-house MTA meeting to review draft SPMP and MGs	JB & RS & SN & PM & ST & RD
11/5/2008	Mtg at MaineDOT w/DEP to discuss Long Creek and MEPDES MOA	JB & RS & SN & PN & RH & DW & DL & JD
10/29/2008	Conf call w/MaineDOT to discuss stormwater BMPs	JB & SN & RS & PN & RH

ATTACHMENT B - MEETING LOGS
MTA MS4 Annual Progress Report

Log 2 - Other Stormwater Meetings and Events MTA has Attended

Date	Activity Attended and Location	Persons Attended
10/21/2008	Long Creek M&O Committee Meeting	JB & SN & RS & PN & RH & DW & TLP
9/17/2008	Long Creek M&O Committee Meeting	JB & SN & RS & PN & RH & DW & TLP
9/3/2008	Mtg at MaineDOT: Long Creek transportation infrastructure committee	JB & RS & PN & RH
8/14/2008	Long Creek M&O Committee Meeting	JB & SN & RS
8/8/2008	Conf call w/DEP re UIS watershed prioritization	SN & RS & DL
8/6/2008	Mtg at MaineDOT: Long Creek transportation infrastructure committee	JB & SN & RS & PN & RH
7/9/2008	Long Creek Technical Advisory Committee Meeting	JB & SN & RS & PN & RH & DW & TLP
6/24/2008	Hart Brook "DRAFT" Water Management Plan Meeting - Lewiston/Auburn	R.S., J.B.
6/24/2008	Stormwater Seminar - Lorman Ed. Services - Portland	J.B., R.S., S.N. & R.H
6/12/2008	Stormwater Utility Workshop - Portland Water District	R.S., S.N.
5/7/2008	Long Creek Watershed Management Meeting (Sable Oaks, S. Portland)	R.S., J.B.
5/2/2008	Long Creek Watershed Steering Committee Meeting (Sable Oaks, S. Portland)	R.S., J.B.
4/28/2008	IBTTA Conference - Presentation on Stormwater BMPs - Florida	J.B. ,W.J., S.T.,
4/25/2008	Long Creek Models & Outreach Committee(Fairchild, S. Portland)	J.B., S.N.
4/9/2008	Site Walk With Zak Henderson along Long Creek on MTA Property	J.B.
3/4/2008	Long Creek Steering Committee Meeting (S.Portland West Side Fire Station)	R.S.; J.B.
1/10/2008	Long Creek TAC Meeting(DEP,Portland)	J.B.
11/13/2007	Long Creek TAC Meeting(Sable Oaks,Portland)	J.B.
6/21/2007	Stormwater Seminar	J.B. & R.S.
6/20/2007	Long Creek Watershed Management Meeting (Convening Committee Meeting)	R.S., J.B.
6/11/2007	MOA Revision Meeting with DEP and DOT	R.S, S.N, S.T., J.B, W.F
5/22/2007	Long Creek Watershed Management Meeting (Preliminary Meeting)	R.S., J.B.
5/16/2007	DEP Stormwater Training for Public Works Facilities	M.A.
5/7/2007	Hart Brook Watershed Management Plan (Stakeholders Workshop)	R.S.
4/30/2007	MOA Revision Meeting with DEP and DOT	R.S., S.N., S.T., R.D., W.F.
4/5/2007	Hart Brook Watershed Management Plan (Public Meeting)	R.S.
3/15/2007	MOA Revision Meeting with DEP and DOT	R.S., S.N., S.T., R.D., W.F.
12/20/2006	MOA Revision Meeting with DEP and DOT	R.S., S.N., S.T., R.D., W.F.
6/15/2006	Chapter 500 Stakeholders Meeting	R.S. and S.N.
6/2/2006	MOA Revision Meeting with DEP and DOT	R.S., S.N., S.T., R.D., W.F.
5/30/2006	MOA Revision Meeting with DEP and DOT	R.S., S.N., S.T., R.D., W.F.
5/16/2006	MOA Revision Meeting with DEP and DOT	R.S., S.N., S.T., R.D., W.F.
5/3/2006	MOA Revision Meeting with DEP and DOT	R.S., S.N., S.T., R.D., W.F.
4/13/2006	DEP NPS Training for inspectors to control construction site runoff	R.S.
3/30/2006	Maine Chamber of Commerce Environmental Policy Meeting	R.S.
3/7/2006	Annual MOA Meeting with DEP and DOT	R.S., S.N., S.T., R.D.
4/25/2005	Conference L.I.D. Stormwater BMP's-Civic Ctr, Augusta, ME.	J.B. & S.T. & B.F.
4/8/2005	Mtg w/Scott Lachance on Year 2 Mapping and Inventory	J.B. & S.L.
4/7/2005	Mtg w/GZA to discuss Year 2 Progress Report	J.B. & R.S. & P.S.
10/21/2004	A.S.C.E. Meeting/Dinner: Low Impact Development	J.B. & P.M. & S.T. & B.F. & S.W.

ATTACHMENT B - MEETING LOGS
MTA MS4 Annual Progress Report

Log 2 - Other Stormwater Meetings and Events MTA has Attended

Date	Activity Attended and Location	Persons Attended
8/24/2004	W.H. Shurtleff Erosion, Sediment & Stormwater Seminar, Portland	J.B. & B.T. & A.P. & B.W. & B.F.
4/6/2004	IDDE Workshop, MEDEP, PWD, Portland	J.B. & S.L. & P.S. & W.F.
11/19/2003	State Wide, DEP Educational Media Comp. Auburn	J.B & S.N & R.G
11/3-11/5/2003	Facilitated at Intl.Cold Climate SW Conf.	J.B
10/28/2003	Mtg w/ Mark Curtin, HNTB ref. SW Mapping & Invt	J.B
9/24/2003	In House Mtg on SWMP - Annex	J.B & S.L & S.T
9/11/2003	Getting-In-Step Wrk Shop, Augusta	R.S
9/10/2003	Interprogress review mtg at Annex	P.M & J.B &S.T & WJ & BW & JA & CR
8/13/2003	In House Mtg SWPII interprogress review, Annex	J.B & R.S & S.N
6/19/2003	Mtg with EER, Inc on SWPII, ref. Sabattus MSA & MTA	R.S & A.G
5/29/2003	Assist Software Trng- MENG Armory	R.S & A.G & J.B & S.N
5/6/2003	APWA - Case Studies in SWPII, Portland Pub. Works	A.G & R.S & J.B
5/2/2003	In House SWPII & Car Fire Accident MTG	J.B & R.S & C.R & B.W
4/10/2003	In House Mtg SWPII, Annex	S.N & J.B & P.M
4/4/2003	In House Mtg SWPII, Annex	S.N & J.B & P.M
3/20/2003	Assist Software Trng- SWPII, Augusta	A.G & R.S
3/10/2003	In House Mtg - SWPII, Pat Bnoid Plan	R.S & S.N & J.B
3/6/2003	In House No I Mtg- SWPII	R.S & J.B & A.G
1/30/2003	In House Mtg with Peter M.	JB & P.M
1/21/2003	Public Notice of Gen. Permit - Barron Ctr, PTLD	J.B
1/21/2003	Brighton Ctr, PTLD	J.B & S.N & W.J
11/19/2002	MTA/MDOT SW PII - DOT HQ Winthrop	C.O & S.N & J.B
10/18/2002	MDEP/MTA/MDOT Interlocal Gp Mtg, Augusta	J.B &D.L &S.N & J.E
10/10/2002	P & F Office with DOT	C.O & P.N & S.N & J.B
6/27/2002	Mtg at MDEP w/MDOT & MTA Non Traditonal	J.B & S.N & C.O & P.N & D.L
6/21/2002	Mtg at DOT to begin SW drafting - MDOT HQ	P.N & C.O & J.B

LEGEND:

AG	Amy Grace	MTA Environmental Specialist/Training Coordinator
JB	John Branscom	MTA Environmental Services Coordinator
RS	Robyn Saunders	GZA GeoEnvironmental, Inc. Representating MTA
SN	Sharon Newman	Preti & Flaherty, LLC. Representing MTA
PM	Peter Merfeld	MTA Chief Operations Officer
SL	Scott Lachance	MTA Right-Of-Way Specialist
ST	Steve Tartre	MTA Director, Engineer and Building Maintenance
BF	Bill Franklin	MTA Deputy Director, Engineering and Building Maintenance
WJ	Wes Jackson	MTA Director, Highway and Equipment Maintenance
BW	Bill Wells	MTA Deputy Director, Highway and Equipment Maintenance
JA	Jon Arey	MTA Staff Attorney
RD	Bob Driscoll	HNTB
PN	Peter Newkirk	Maine DOT
RH	Ryan Hodgman	Maine DOT
CO	Chris Olson	Maine DOT
TK	Toni Kimmerle	Maine DOT
RP	Rhonda Poirier	Maine DOT
DL	David Ladd	Maine DEP
DW	Don Witherill	Maine DEP
JD	Jeff Dennis	Maine DEP
TLP	Tamara Lee Pinard	Cumberland County Soil & Water Conservation District (CCSWCD)

ATTACHMENT C

UPDATED IDDE FIELD SHEETS

MAINE TURNPIKE AUTHORITY
Catch Basin Cleanout Tracking Form

MPDES Permit Part IV(D) 3. Illicit Discharge and Elimination (IDDE).
Each permittee must develop, implement and enforce a program to detect and eliminate illicit discharges and non-stormwater discharges, as definied in 06-096CMR521(9)(b)(2), except as provided in Part IV(D)3(c) of this permit into any small MS4.

MTA's SWMP states that MTA shall…
"Utilize regularly scheduled catch basin cleaning to detect possible illicit discharges by visually assessing the contents for the following: unusual color or odor, excessive oil, foam or scum, viscosity, or other suspicious characteristics."

Note: This form is to be completed in its entirety each permit year per Maine Department of Environmental Services.

DIRECTIONS:
Indicate "YES" or "NO" for any of the information collected.
IF "YES" is correct, please describe your observations as follows:

POSSIBLE DESCRIPTIONS FOR EACH CATEGORY

ODOR	COLOR	FLOATABLES	VISCOSITY	DEPOSITS
Petroleum	*Grey*	*Algae/scum*	*Low, if like water*	*Sediments* ***(if more than half full, must be cleaned out)***
Rancid/Sour	*Black*	*Foam/suds*	*High, if like oil or molasses*	*Petroleum*
Sewage/Septic	*Brown*	*Oil/sheen*		*Leaves*
Organic	*Green*	*Garbage/debris*	***ABNORMAL VEGETATION***	*Iron staining (which is red-orange-brown discoloration of soils)*
Other	*Other*	*Sewage*	*Excessive growth*	*Other*
None	*Clear*	*Other*	*Stressed/dry/discolored*	*None*

DATA COLLECTED FOR PERMIT YEAR # _____

JULY _____ ***TO JUNE*** _____

COLLECT DATA AS PART OF CATCH BASIN CLEANOUT

COLLECT DATA AS PART OF ANNUAL INSPECTIONS

Indicate amount of sediments observed, if >50% of catchment, must be cleaned out

DATE OF CLEANOUT	CB IDENTIFIER	CB LOCATION with nearest Mile Marker (Example: 41.77 NB/Med. Shoulder)			TOWN	ASSOCIATED OUTFALL	ODOR (If Yes, describe)		COLOR (If Yes, describe)		FLOATABLES (If Yes, describe)		VISCOSITY (If Yes, describe)		DEPOSITS OR STAINING		ABNORMAL VEGETATION		DAMAGE (If Yes, describe)		TYPE OF FLOW		SUSPECTED ILLICIT DISCHARGE	CLEANED OUT Yes/No	NEEDS CLEANING Yes/No	INITIALS OF INSPECTOR AND ANY COMMENTS include other suspicious characteristics and/or any damage observed (USE THE BACK OF PAGE IF NECESSARY)
							CB	OF	CB	OF	CB	OF	CB	OF	CB	OF	CB	OF	CB	OF	CB	OF				
	CB8888	Median	Median	75	Auburn	OF8888																				
	CB8836	Median	Median	75.2	Auburn	OF8842																				
	CB8848			Exit 75	Auburn	OF8865																				
	CB8849			Exit 75	Auburn	OF8865																				
	CB8850			Exit 75	Auburn	OF8865		X		X		X		X		X		X		X		X				
	CB8887	Median	Median	75.3	Auburn	OF8887																				
	CB8869	Median	Median	77.5	Auburn	OF8879		X		X		X		X		X		X		X		X				
	CB8886	Median	Median	75.6	Auburn	OF8886		X		X		X		X		X		X		X		X				
	CB8885	Median	Median	78.5	Auburn	OF8885		X		X		X		X		X		X		X		X				
	CB8884	Median	Median	78.55	Auburn	OF8885																				
	CB8871	SB	Shoulder	78.7	Auburn	OF8880																				
	CB8873	SB	Median	78.7	Auburn	OF8881																				
	CB8875	Median	Median	78.7	Auburn	OF8881		X		X		X		X		X		X		X		X				
	CB8874	Median	Median	78.7	Auburn	OF8881		X		X		X		X		X		X		X		X				
	CB8872	NB	Median	78.7	Auburn	OF8881																				
	CB8870	NB	Shoulder	78.7	Auburn	OF8881																				
	CB8878	SB	Shoulder	78	Lewiston	OF8883																				
	CB8879	SB	Median	79	Lewiston	OF8883																				
	CB8877	NB	Median	79	Lewiston	OF8883																				
	CB8876	NB	Shoulder	79	Lewiston	OF8882		X		X		X		X		X		X		X		X				
	CB8880	Median	Median	79	Lewiston	OF8883																				
	CB8881	Median	Median	79	Lewiston	OF8883																				
	CB0222	Median	Median	79.2	Lewiston	OF0152		X		X		X		X		X		X		X		X				
	CB8882	Median	Median	79.3	Lewiston**	OF8884																				
	CB8883	Median	Median	79.3	Lewiston**	OF8884																				
	CB0223	Median	Median	79.4	Lewiston**	OF0153																				
	CB0224	Median	Median	79.5	Lewiston**	OF0154																				
	CB0225	Median	Median	79.6	Lewiston**	OF0154																				
	CB0226	Median	Median	79.6	Lewiston**	OF0155																				
	CB0227	Median	Median	79.7	Lewiston**	OF0156																				
	CB0228	Median	Median	79.8	Lewiston**	OF0156																				
	CB0229	Median	Median	79.9	Lewiston**	OF0157																				
	CB0230	Median	Median	80.1	Lewiston**	OF0158																				
	CB0231	Median	Median	80.2	Lewiston	OF0159																				
	CB0268	SB	Exit	80	Lewiston	OF0186																				
	CB0269	SB	Exit	80	Lewiston	OF0187		X		X		X		X		X		X		X		X				
	CB0233	NB	Shoulder	80.3	Lewiston	OF0161		X		X		X		X		X		X		X		X				
	CB8855	NB	Median	80.3	Lewiston	OF0161																				
	CB0232	Median	Median	80.3	Lewiston	OF0160 OF0161		X		X		X		X		X		X		X		X				

MAINE TURNPIKE AUTHORITY
Catch Basin Cleanout Tracking Form

MPDES Permit Part IV(D) 3. Illicit Discharge and Elimination (IDDE).
Each permittee must develop, implement and enforce a program to detect and eliminate illicit discharges and non-stormwater discharges, as definied in 06-096CMR521(9)(b)(2), except as provided in Part IV(D)3(c) of this permit into any small MS4.

MTA's SWMP states that MTA shall…
"Utilize regularly scheduled catch basin cleaning to detect possible illicit discharges by visually assessing the contents for the following: unusual color or odor, excessive oil, foam or scum, viscosity, or other suspicious characteristics."

Note: This form is to be completed in its entirety each permit year per Maine Department of Environmental Services.

DIRECTIONS:
Indicate "YES" or "NO" for any of the information collected.
IF "YES" is correct, please describe your observations as follows:

POSSIBLE DESCRIPTIONS FOR EACH CATEGORY

ODOR	COLOR	FLOATABLES	VISCOSITY	DEPOSITS
Petroleum	*Grey*	*Algae/scum*	*Low, if like water*	*Sediments* ***(if more than half full, must be cleaned out)***
Rancid/Sour	*Black*	*Foam/suds*	*High, if like oil or molasses*	*Petroleum*
Sewage/Septic	*Brown*	*Oil/sheen*		*Leaves*
Organic	*Green*	*Garbage/debris*	***ABNORMAL VEGETATION***	*Iron staining (which is red-orange-brown discoloration of soils)*
Other	*Other*	*Sewage*	*Excessive growth*	*Other*
None	*Clear*	*Other*	*Stressed/dry/discolored*	*None*

DATA COLLECTED FOR PERMIT YEAR # _____

JULY _____ ***TO JUNE*** _____

COLLECT DATA AS PART OF CATCH BASIN CLEANOUT

COLLECT DATA AS PART OF ANNUAL INSPECTIONS

Indicate amount of sediments observed, if >50% of catchment, must be cleaned out

DATE OF CLEANOUT	CB IDENTIFIER	CB LOCATION with nearest Mile Marker (Example: 41.77 NB/Med. Shoulder)			TOWN	ASSOCIATED OUTFALL	ODOR (If Yes, describe)		COLOR (If Yes, describe)		FLOATABLES (If Yes, describe)		VISCOSITY (If Yes, describe)		DEPOSITS OR STAINING		ABNORMAL VEGETATION		DAMAGE (If Yes, describe)		TYPE OF FLOW		SUSPECTED ILLICIT DISCHARGE	CLEANED OUT Yes/No	NEEDS CLEANING Yes/No	INITIALS OF INSPECTOR AND ANY COMMENTS include other suspicious characteristics and/or any damage observed (USE THE BACK OF PAGE IF NECESSARY)
							CB	OF	CB	OF	CB	OF	CB	OF	CB	OF	CB	OF	CB	OF	CB	OF				
	CB8854	SB	Median	80.3	Lewiston	OF0160																				
	CB8853	SB	Shoulder	80.3	Lewiston	OF0160																				
	CB0234	Median	Median	80.5	Lewiston	OF0162		X		X		X		X		X		X		X		X				
	CB0235	Median	Median	80.6	Lewiston	OF0163 OF8864																				
	CB0236	Median	Median	80.7	Lewiston	OF0164																				
	CB0237	Median	Median	80.8	Lewiston	OF0165																				
	CB0238	Median	Median	80.95	Lewiston	OF0166																				
	CB0239	Median	Median	81.3	Lewiston	OF0167																				
	CB0244	NB	Shoulder	81.3	Lewiston	OF0169																				
	CB0240	NB	Median	81.3	Lewiston	OF0169																				
	CB0241	Median	Median	81.3	Lewiston	OF0169																				
	CB0242	SB	Median	81.3	Lewiston	OF0169		X		X		X		X		X		X		X		X				
	CB0243	SB	Shoulder	81.3	Lewiston	OF0168		X		X		X		X		X		X		X		X				
	CB0245	Median	Median	81.6	Lewiston	OF0170																				
	CB0246	Median	Median	81.7	Lewiston	OF0171																				
	CB0247	Median	Median	81.7	Lewiston	OF0171																				
	CB8856	Median	Median	81.95	Lewiston	OF8866																				
	CB0248	Median	Median	82.1	Lewiston	OF0172																				
	CB0249	Median	Median	82.2	Lewiston	OF0173																				
	CB0250	Median	Median	82.3	Lewiston	OF0174		X		X		X		X		X		X		X		X				
	CB0251	Median	Median	82.39	Lewiston	OF8877 OF8878		X		X		X		X		X		X		X		X				
	CB0252	Median	Median	82.5	Lewiston	OF0175		X		X		X		X		X		X		X		X				
	CB0253	Median	Median	82.6	Lewiston	OF0176																				
	CB0255	NB	Shoulder	82.7	Lewiston	OF0177																				
	CB0254	NB	Median	82.7	Lewiston	OF0178																				
	CB0256	Median	Median	82.7	Lewiston	OF0178																				
	CB8868	SB	Median	82.7	Lewiston	OF0178		X		X		X		X		X		X		X		X				
	CB0257	SB	Shoulder	82.7	Lewiston	OF0178																				
	CB8867	Median	Median	82.75	Lewiston	OF8876		X		X		X		X		X		X		X		X				
	CB0258	Median	Median	82.8	Lewiston	OF0179		X		X		X		X		X		X		X		X				
	CB0259	Median	Median	82.9	Lewiston	OF0180		X		X		X		X		X		X		X		X				
	CB0260	Median	Median	83.2	Lewiston	OF0181																				
	CB8857	N/A	N/A	BK Plaza	Lewiston	OF8867																				
	CB8859	N/A	N/A	BK Plaza	Lewiston	OF8868																				
	CB8858	N/A	N/A	BK Plaza	Lewiston	OF8868																				
	CB8860	N/A	N/A	BK Plaza	Lewiston	OF8869		X		X		X		X		X		X		X		X				
	CB8846	N/A	N/A	BK Plaza	Lewiston	OF8869																				
	CB0261	Median	Median	83.3	Lewiston	OF0182																				

MAINE TURNPIKE AUTHORITY
Catch Basin Cleanout Tracking Form

MPDES Permit Part IV(D) 3. Illicit Discharge and Elimination (IDDE).
Each permittee must develop, implement and enforce a program to detect and eliminate illicit discharges and non-stormwater discharges, as definied in 06-096CMR521(9)(b)(2), except as provided in Part IV(D)3(c) of this permit into any small MS4.

MTA's SWMP states that MTA shall…
"Utilize regularly scheduled catch basin cleaning to detect possible illicit discharges by visually assessing the contents for the following: unusual color or odor, excessive oil, foam or scum, viscosity, or other suspicious characteristics."

Note: This form is to be completed in its entirety each permit year per Maine Department of Environmental Services.

DIRECTIONS:
Indicate "YES" or "NO" for any of the information collected.
IF "YES" is correct, please describe your observations as follows:

POSSIBLE DESCRIPTIONS FOR EACH CATEGORY

ODOR	COLOR	FLOATABLES	VISCOSITY	DEPOSITS
Petroleum	*Grey*	*Algae/scum*	*Low, if like water*	*Sediments* ***(if more than half full, must be cleaned out)***
Rancid/Sour	*Black*	*Foam/suds*	*High, if like oil or molasses*	*Petroleum*
Sewage/Septic	*Brown*	*Oil/sheen*		*Leaves*
Organic	*Green*	*Garbage/debris*	***ABNORMAL VEGETATION***	*Iron staining (which is red-orange-brown discoloration of soils)*
Other	*Other*	*Sewage*	*Excessive growth*	*Other*
None	*Clear*	*Other*	*Stressed/dry/discolored*	*None*

DATA COLLECTED FOR PERMIT YEAR # _____

JULY _____ ***TO JUNE*** _____

COLLECT DATA AS PART OF CATCH BASIN CLEANOUT

COLLECT DATA AS PART OF ANNUAL INSPECTIONS

Indicate amount of sediments observed, if >50% of catchment, must be cleaned out

DATE OF CLEANOUT	CB IDENTIFIER	CB LOCATION with nearest Mile Marker (Example: 41.77 NB/Med. Shoulder)			TOWN	ASSOCIATED OUTFALL	ODOR (If Yes, describe)		COLOR (If Yes, describe)		FLOATABLES (If Yes, describe)		VISCOSITY (If Yes, describe)		DEPOSITS OR STAINING		ABNORMAL VEGETATION		DAMAGE (If Yes, describe)		TYPE OF FLOW		SUSPECTED ILLICIT DISCHARGE	CLEANED OUT Yes/No	NEEDS CLEANING Yes/No	INITIALS OF INSPECTOR AND ANY COMMENTS include other suspicious characteristics and/or any damage observed (USE THE BACK OF PAGE IF NECESSARY)
							CB	OF	CB	OF	CB	OF	CB	OF	CB	OF	CB	OF	CB	OF	CB	OF				
	CB0262	NB	Shoulder	83.4	Lewiston	OF0183																				
	CB0263	NB	Median	83.4	Lewiston	OF0185																				
	CB0264	Median	Median	83.4	Lewiston	OF0185		X		X		X		X		X		X		X		X				
	CB0265	SB	Median	83.4	Lewiston	OF0185																				
	CB0266	SB	Shoulder	83.5	Lewiston	OF0185																				
	CB0267	SB	Shoulder	83.5	Lewiston	OF0184																				
	CB8866	Median	Median	83.6	Sabattus	OF8875																				
	CB8865	Median	Median	83.7	Sabattus	OF8874																				
	CB8864	Median	Median	83.8	Sabattus	OF8873																				
	CB8863	Median	Median	84	Sabattus	OF8872																				
	CB8862	Median	Median	84.2	Sabattus	OF8871																				
	CB8861	Median	Median	84.3	Sabattus	OF8870																				

** Dill/Hart Brook Watershed

MAINE TURNPIKE AUTHORITY
Catch Basin Cleanout Tracking Form

MPDES Permit Part IV(D) 3. Illicit Discharge and Elimination (IDDE).
Each permittee must develop, implement and enforce a program to detect and eliminate illicit discharges and non-stormwater discharges, as definied in 06-096CMR521(9)(b)(2), except as provided in Part IV(D)3(c) of this permit into any small MS4.

MTA's SWMP states that MTA shall…
"Utilize regularly scheduled catch basin cleaning to detect possible illicit discharges by visually assessing the contents for the following: unusual color or odor, excessive oil, foam or scum, viscosity, or other suspicious characteristics."

NOTE: This form is to be completed in its entirety each permit year per Maine Department of Environmental Protection.

DIRECTIONS:
Indicate "YES" or "NO" for any of the information collected.
IF "YES" is correct, please describe your observations as follows:

POSSIBLE DESCRIPTIONS FOR EACH CATEGORY

ODOR	**COLOR**	**FLOATABLES**	**VISCOSITY**	**DEPOSITS**
Petroleum	*Grey*	*Algae/scum*	*Low, if like water*	*Sediments* ***(if more than half full, must be cleaned out)***
Rancid/Sour	*Black*	*Foam/suds*	*High, if like oil or molasses*	*Petroleum*
Sewage/Septic	*Brown*	*Oil/sheen*		*Leaves*
Organic	*Green*	*Garbage/debris*	***ABNORMAL VEGETATION***	*Iron staining (which is red-orange-brown discoloration of soils)*
Other	*Other*	*Sewage*	*Excessive growth*	*Other*
None	*Clear*	*Other*	*Stressed/dry/discolored*	*None*

DATA COLLECTED FOR PERMIT YEAR # _____

JULY _____ ***TO JUNE*** _____

COLLECT DATA AS PART OF CATCH BASIN CLEANOUT

COLLECT DATA AS PART OF ANNUAL INSPECTIONS

Indicate amount of sediments observed, if >50% of catchment, must be cleaned out

DATE OF CLEANOUT	**CB** IDENTIFIER	**CB LOCATION with nearest Mile Marker** (Example: 41.77 NB/Med. Shoulder)			**TOWN**	**ASSOCIATED OUTFALL**	**ODOR** (If yes, describe)		**COLOR** (If Yes, describe)		**FLOATABLES** (If Yes, describe)		**VISCOSITY** (If Yes, describe)		**DEPOSITS OR STAINING**		**ABNORMAL VEGITATION**		**DAMAGE** (If Yes, describe)		**TYPE OF FLOW**		**SUSPECTED ILLICIT DISCHARGE**	**CLEANED OUT** Yes/No	**NEEDS CLEANING** Yes/No	**INITIALS OF INSPECTOR AND ANY COMMENTS** include other suspicious characteristics and/or any damage observed (USE THE BACK OF PAGE IF NECESSARY)
							CB	OF	CB	OF	CB	OF	CB	OF	CB	OF	CB	OF	CB	OF	CB	OF				
	CB0117	NB	shoulder	41.03	Scarborough	OF0074 OF0079																				
	CB0121	Median	Median	41.21	Scarborough	OF0075&80																				
	CB0122	Median	Median	41.3	Scarborough	OF0076&81																				
	CB0123	Median	Median	41.38	Scarborough	OF0077&82																				
	CB0124	NB	Shoulder	41.38	Scarborough	OF0077&82		X		X		X		X		X		X		X		X				
	CB0125	NB	Shoulder	41.47	Scarborough	OF0078&83																				
	CB0126	NB	Median	41.47	Scarborough	OF0078&83		X		X		X		X		X		X		X		X				
	CB0127	Median	Median	41.47	Scarborough	OF0078&83		X		X		X		X		X		X		X		X				
	CB0128	SB	Median	41.47	Scarborough	OF0078&83		X		X		X		X		X		X		X		X				
	CB0129	Median	Median	41.51	Scarborough	OF0079&84																				
	CB0130	Median	Median	41.6	Scarborough	OF0085																				
	CB0116	Median	Median	41.79	Scarborough	OF0086																				
	CB0132	Median	median	41.77	Scarborough	OF0086		X		X		X		X		X		X		X		X				
	CB0115	Median	Median	41.89	Scarborough	OF0087																				
	CB0133	Median	median	41.87	Scarborough	OF0087		X		X		X		X		X		X		X		X				
	CB0131	Median	Median	41.68	Scarborough	OF0088																				
	CB0134	SB	shoulder	41.47	Scarborough	OF0089																				
	CB0118	NB	shoulder	41.03	Scarborough	OF0090																				
	CB0119	Median	median	41.03	Scarborough	OF0090		X		X		X		X		X		X		X		X				
	CB0120	SB	Median	41.03	Scarborough	OF0090		X		X		X		X		X		X		X		X				
	CB0135	SB	Shoulder	41.03	Scarborough	OF0135																				
	CB0300	Median	Median	44.3	South Portland**	OF0204																				
	CB0301	Exit 45 sb e	Median	44.9	South Portland**	OF0205																				
	CB0302	Exit 45 sb e	Median	44.9	South Portland**	OF0206																				
	CB0303	Exit 45 sb e	Median	44.9	South Portland**	OF0207																				
	CB0304	Exit 45 sb e	Median	44.9	South Portland**	OF0208																				
	CB0305	EB	Shoulder	44.9	South Portland**	OF0209																				
	CB0306	EB	Median	44.9	South Portland**	OF0209		X		X		X		X		X		X		X		X				
	CB0307	WB	Shoulder	44.9	South Portland**	OF0209		X		X		X		X		X		X		X		X				
	CB0308	EB	Shoulder	44.9	South Portland**	OF0209		X		X		X		X		X		X		X		X				
	CB0309	EB	Shoulder	44.9	South Portland**	OF0210																				
	CB0310	WB	Median	44.9	South Portland**	OF0211																				
	CB0311	Median	Median	44.9	South Portland**	OF0211		X		X		X		X		X		X		X		X				
	CB0312	EB	Median	44.9	South Portland**	OF0211		X		X		X		X		X		X		X		X				
	CB0313	Median	Median	44.9	South Portland**	OF0212																				
	CB0314	Median	Median	44.9	South Portland**	OF0212		X		X		X		X		X		X		X		X				
	CB0315	WB	Shoulder	44.9	South Portland**	OF0213																				
	CB0316	Exit 45 NB	Shoulder	44.9	South Portland**	OF0214																				
	CB0275	NB	Shoulder	45.0	South Portland**	OF0190																				
	CB0276	NB	Median	45.0	South Portland**	OF0190		X		X		X		X		X		X		X		X				
	CB0277	Median	Median	45.0	South Portland**	OF0190		X		X		X		X		X		X		X		X				
	CB0278	SB	Median	45.0	South Portland**	OF0190		X		X		X		X		X		X		X		X				
	CB0274	SB	Shoulder	45.1	South Portland**	OF0189																				
	CB0279	Median	Median	45.2	South Portland**	OF0191																				

MAINE TURNPIKE AUTHORITY
Catch Basin Cleanout Tracking Form

MPDES Permit Part IV(D) 3. Illicit Discharge and Elimination (IDDE).
Each permittee must develop, implement and enforce a program to detect and eliminate illicit discharges and non-stormwater discharges, as definied in 06-096CMR521(9)(b)(2), except as provided in Part IV(D)3(c) of this permit into any small MS4.

MTA's SWMP states that MTA shall…
"Utilize regularly scheduled catch basin cleaning to detect possible illicit discharges by visually assessing the contents for the following: unusual color or odor, excessive oil, foam or scum, viscosity, or other suspicious characteristics."

NOTE: This form is to be completed in its entirety each permit year per Maine Department of Environmental Protection.

DIRECTIONS:
Indicate "YES" or "NO" for any of the information collected.
IF "YES" is correct, please describe your observations as follows:

POSSIBLE DESCRIPTIONS FOR EACH CATEGORY

ODOR	**COLOR**	**FLOATABLES**	**VISCOSITY**	**DEPOSITS**
Petroleum	*Grey*	*Algae/scum*	*Low, if like water*	*Sediments* ***(if more than half full, must be cleaned out)***
Rancid/Sour	*Black*	*Foam/suds*	*High, if like oil or molasses*	*Petroleum*
Sewage/Septic	*Brown*	*Oil/sheen*		*Leaves*
Organic	*Green*	*Garbage/debris*	***ABNORMAL VEGETATION***	*Iron staining (which is red-orange-brown discoloration of soils)*
Other	*Other*	*Sewage*	*Excessive growth*	*Other*
None	*Clear*	*Other*	*Stressed/dry/discolored*	*None*

DATA COLLECTED FOR PERMIT YEAR # _____

JULY _____ ***TO JUNE*** _____

COLLECT DATA AS PART OF CATCH BASIN CLEANOUT

COLLECT DATA AS PART OF ANNUAL INSPECTIONS

Indicate amount of sediments observed, if >50% of catchment, must be cleaned out

DATE OF CLEANOUT	**CB** IDENTIFIER	**CB LOCATION with nearest Mile Marker** (Example: 41.77 NB/Med. Shoulder)			**TOWN**	**ASSOCIATED OUTFALL**	**ODOR** (If yes, describe)		**COLOR** (If Yes, describe)		**FLOATABLES** (If Yes, describe)		**VISCOSITY** (If Yes, describe)		**DEPOSITS OR STAINING**		**ABNORMAL VEGITATION** (If Yes, describe)		**DAMAGE** (If Yes, describe)		**TYPE OF FLOW**		**SUSPECTED ILLICIT DISCHARGE**	**CLEANED OUT** Yes/No	**NEEDS CLEANING** Yes/No	**INITIALS OF INSPECTOR AND ANY COMMENTS** include other suspicious characteristics and/or any damage observed (USE THE BACK OF PAGE IF NECESSARY)
							CB	OF	CB	OF	CB	OF	CB	OF	CB	OF	CB	OF	CB	OF	CB	OF				
	CB0280	Median	Median	45.3	South Portland**	OF0192																				
	CB0281	Median	Median	45.3	South Portland**	OF0193																				
	CB0282	Median	Median	45.4	South Portland**	OF0194																				
	CB0283	Median	Median	45.6	South Portland**	OF0195																				
	CB0284	Median	Median	45.8	South Portland**	OF0196																				
	CB0296	Crosby Maint		45.8	South Portland**	OF0203																				
	CB0297	Crosby Maint		45.8	South Portland**	OF0203																				
	CB0298	Crosby Maint		45.8	South Portland**	OF0203																				
	CB0299	Crosby Maint		45.8	South Portland**	OF0203																				
	CB0270	SB	Shoulder	45.9	South Portland**	OF0188																				
	CB0271	SB	Median	45.9	South Portland**	OF0188																				
	CB0272	Median	Median	45.9	South Portland**	OF0188																				
	CB0273	NB	Median	45.9	South Portland**	OF0188																				
	CB0285	NB	Shoulder	45.9	South Portland**	OF0197																				
	CB0286	Median	Median	45.95	South Portland**	OF0198																				
	CB0287	Exit 46 nb e	Shoulder	46.1	South Portland**	OF0199																				
	CB0288	Exit 46 nb e	Median	46.1	South Portland**	OF0199																				
	CB0289	NB	Shoulder	46.1	South Portland**	OF0199																				
	CB0290	NB	Median	46.1	South Portland**	OF0199																				
	CB0291	Median	Median	46.1	South Portland**	OF0199																				
	CB0292	SB	Median	46.1	South Portland**	OF0199																				
	CB0293	Median	Median	46.4	South Portland**	OF0200																				
	CB0317	Exit 56 nb	Median	46.4	South Portland**	OF0215																				
	CB0318	Exit 46 sb	Median	46.4	South Portland**	OF0216																				
	CB0319	Exit 46 sb	Median	46.4	South Portland**	OF0217																				
	CB0294	Median	Median	46.5	South Portland**	OF0201																				
	CB0295	Median	Median	46.55	South Portland**	OF0202																				
	CB0195	Median	Median	46.77	Portland	OF0130																				
	CB0196	Median	Median	46.79	Portland	OF0131																				
	CB0136	NB	Shoulder	46.81	Portland	OF0091																				
	CB0137	NB	Median	46.81	Portland	OF0091																				
	CB0138	Median	Median	46.81	Portland	OF0091																				
	CB0139	SB	Median	46.81	Portland	OF0091																				
	CB0194	SB	Shoulder	46.81	Portland	OF0129																				
	CB0140	Median	Median	46.92	Portland	OF0092																				
	CB0197	NB	Exit Ramp	47	Portland	OF0132																				
	CB0198	SB	Exit Ramp	47	Portland	OF0133																				
	CB0199	SB	Exit Ramp	47	Portland	OF0134																				
	CB0200	NB	Exit Ramp	47	Portland	OF0135																				
	CB0201	NB	Exit Ramp	47	Portland	OF0135																				
	CB0141	Median	Median	47.03	Portland	OF0093																				
	CB0142	Median	Median	47.13	Portland	OF0094																				
	CB8833	Median	Median	47.35	Portland	OF8841																				
	CB0143	NB	Shoulder	47.51	Portland	OF0095																				

MAINE TURNPIKE AUTHORITY
Catch Basin Cleanout Tracking Form

MPDES Permit Part IV(D) 3. Illicit Discharge and Elimination (IDDE).
Each permittee must develop, implement and enforce a program to detect and eliminate illicit discharges and non-stormwater discharges, as definied in 06-096CMR521(9)(b)(2), except as provided in Part IV(D)3(c) of this permit into any small MS4.

MTA's SWMP states that MTA shall…
"Utilize regularly scheduled catch basin cleaning to detect possible illicit discharges by visually assessing the contents for the following: unusual color or odor, excessive oil, foam or scum, viscosity, or other suspicious characteristics."

NOTE: This form is to be completed in its entirety each permit year per Maine Department of Environmental Protection.

DIRECTIONS:
Indicate "YES" or "NO" for any of the information collected.
IF "YES" is correct, please describe your observations as follows:

POSSIBLE DESCRIPTIONS FOR EACH CATEGORY

ODOR	COLOR	FLOATABLES	VISCOSITY	DEPOSITS
Petroleum	*Grey*	*Algae/scum*	*Low, if like water*	*Sediments* ***(if more than half full, must be cleaned out)***
Rancid/Sour	*Black*	*Foam/suds*	*High, if like oil or molasses*	*Petroleum*
Sewage/Septic	*Brown*	*Oil/sheen*		*Leaves*
Organic	*Green*	*Garbage/debris*	***ABNORMAL VEGETATION***	*Iron staining (which is red-orange-brown discoloration of soils)*
Other	*Other*	*Sewage*	*Excessive growth*	*Other*
None	*Clear*	*Other*	*Stressed/dry/discolored*	*None*

DATA COLLECTED FOR PERMIT YEAR # _____

JULY _____ ***TO JUNE*** _____

COLLECT DATA AS PART OF CATCH BASIN CLEANOUT

COLLECT DATA AS PART OF ANNUAL INSPECTIONS

Indicate amount of sediments observed, if >50% of catchment, must be cleaned out

DATE OF CLEANOUT	CB IDENTIFIER	CB LOCATION with nearest Mile Marker (Example: 41.77 NB/Med. Shoulder)			TOWN	ASSOCIATED OUTFALL	ODOR (If yes, describe)		COLOR (If Yes, describe)		FLOATABLES (If Yes, describe)		VISCOSITY (If Yes, describe)		DEPOSITS OR STAINING		ABNORMAL VEGITATION		DAMAGE (If Yes, describe)		TYPE OF FLOW		SUSPECTED ILLICIT DISCHARGE	CLEANED OUT Yes/No	NEEDS CLEANING Yes/No	INITIALS OF INSPECTOR AND ANY COMMENTS include other suspicious characteristics and/or any damage observed (USE THE BACK OF PAGE IF NECESSARY)
							CB	OF	CB	OF	CB	OF	CB	OF	CB	OF	CB	OF	CB	OF	CB	OF				
	CB0144	NB	Median	47.51	Portland	OF0095		X		X		X		X		X		X		X		X				
	CB0145	Median	Median	47.51	Portland	OF0095		X		X		X		X		X		X		X		X				
	CB0146	SB	Median	47.51	Portland	OF0095		X		X		X		X		X		X		X		X				
	CB0192	SB	Shoulder	47.58	Portland	OF0128																				
	CB0193	SB	Shoulder	47.58	Portland	OF0128		X		X		X		X		X		X		X		X				
	CB0147	Median	Median	47.63	Portland	OF0096																				
	CB8838	Median	Median	47.75	Portland	OF8846																				
	CB0191	Median	Median	47.96	Portland	OF0191																				
	CB0202	NB	Shoulder	48	Portland	OF0136																				
	CB0203	SB	Shoulder	48	Portland	OF0137																				
	CB0148	Median	Median	48.1	Portland	OF0097																				
	CB8839	Median	Median	48.3	Portland	OF8847																				
	CB0149	Median	Median	48.39	Portland	OF0098																				
	CB0150	Median	Median	48.52	Portland	OF0099																				
	CB0151	NB	Shoulder	48.6	Portland	OF0100																				
	CB0152	NB	Median	48.6	Portland	OF0100		X		X		X		X		X		X		X		X				
	CB0153	NB	Median	48.6	Portland	OF0100		X		X		X		X		X		X		X		X				
	CB0154	Median	Median	48.6	Portland	OF0100		X		X		X		X		X		X		X		X				
	CB0155	SB	Median	48.6	Portland	OF0100		X		X		X		X		X		X		X		X				
	CB0190	SB	Shoulder	48.66	Portland	OF0126																				
	CB0156	Median	Median	48.73	Portland	OF0101																				
	CB9988	Median	Median	49	Portland	OF8843																				
	CB8832	Median	Median	49.05	Portland	OF8839																				
	CB0189	Median	Median	49.21	Portland	OF0125																				
	CB0157	Median	Median	49.35	Portland	OF0102																				
	CB0158	Median	Median	49.45	Portland	OF0103																				
	CB0188	Median	Median	49.58	Portland	OF0124																				
	CB0187	Median	Median	49.67	Portland	OF0123																				
	CB0159	NB	Shoulder	49.71	Portland	OF0104																				
	CB0183	NB	Median	49.75	Portland	OF0122																				
	CB0184	SB	Median	49.75	Portland	OF0122		X		X		X		X		X		X		X		X				
	CB0185	Median	Median	49.75	Portland	OF0122		X		X		X		X		X		X		X		X				
	CB0186	SB	Shoulder	49.75	Portland	OF0122		X		X		X		X		X		X		X		X				
	CB0182	Median	Median	49.88	Portland	OF0121																				
	CB0181	Median	Median	50.32	Portland	OF0120																				
	CB0180	Median	Median	50.43	Portland	OF0119																				
	CB0160	Median	Median	50.5	Portland	OF0105																				
	CB0179	Median	Median	50.66	Portland	OF0118																				
	CB0178	Median	Median	50.77	Portland	OF0117																				
	CB0161	NB	Shoulder	50.83	Portland	OF0106																				
	CB0162	NB	Median	50.83	Portland	OF0106		X		X		X		X		X		X		X		X				
	CB0163	Median	Median	50.83	Portland	OF0106		X		X		X		X		X		X		X		X				
	CB0164	SB	Median	50.83	Portland	OF0106		X		X		X		X		X		X		X		X				
	CB0177	SB	Shoulder	50.87	Portland	OF0116																				

MAINE TURNPIKE AUTHORITY
Catch Basin Cleanout Tracking Form

MPDES Permit Part IV(D) 3. Illicit Discharge and Elimination (IDDE).
Each permittee must develop, implement and enforce a program to detect and eliminate illicit discharges and non-stormwater discharges, as definied in 06-096CMR521(9)(b)(2), except as provided in Part IV(D)3(c) of this permit into any small MS4.

MTA's SWMP states that MTA shall…
"Utilize regularly scheduled catch basin cleaning to detect possible illicit discharges by visually assessing the contents for the following: unusual color or odor, excessive oil, foam or scum, viscosity, or other suspicious characteristics."

NOTE: This form is to be completed in its entirety each permit year per Maine Department of Environmental Protection.

DIRECTIONS:
Indicate "YES" or "NO" for any of the information collected.
IF "YES" is correct, please describe your observations as follows:

POSSIBLE DESCRIPTIONS FOR EACH CATEGORY

ODOR	COLOR	FLOATABLES	VISCOSITY	DEPOSITS
Petroleum	*Grey*	*Algae/scum*	*Low, if like water*	*Sediments* ***(if more than half full, must be cleaned out)***
Rancid/Sour	*Black*	*Foam/suds*	*High, if like oil or molasses*	*Petroleum*
Sewage/Septic	*Brown*	*Oil/sheen*		*Leaves*
Organic	*Green*	*Garbage/debris*	***ABNORMAL VEGETATION***	*Iron staining (which is red-orange-brown discoloration of soils)*
Other	*Other*	*Sewage*	*Excessive growth*	*Other*
None	*Clear*	*Other*	*Stressed/dry/discolored*	*None*

DATA COLLECTED FOR PERMIT YEAR # _____

JULY _____ ***TO JUNE*** _____

COLLECT DATA AS PART OF CATCH BASIN CLEANOUT

COLLECT DATA AS PART OF ANNUAL INSPECTIONS

Indicate amount of sediments observed, if >50% of catchment, must be cleaned out

DATE OF CLEANOUT	CB IDENTIFIER	CB LOCATION with nearest Mile Marker (Example: 41.77 NB/Med. Shoulder)			TOWN	ASSOCIATED OUTFALL	ODOR (If yes, describe)		COLOR (If Yes, describe)		FLOATABLES (If Yes, describe)		VISCOSITY (If Yes, describe)		DEPOSITS OR STAINING		ABNORMAL VEGITATION		DAMAGE (If Yes, describe)		TYPE OF FLOW		SUSPECTED ILLICIT DISCHARGE	CLEANED OUT Yes/No	NEEDS CLEANING Yes/No	INITIALS OF INSPECTOR AND ANY COMMENTS include other suspicious characteristics and/or any damage observed (USE THE BACK OF PAGE IF NECESSARY)
							CB	OF	CB	OF	CB	OF	CB	OF	CB	OF	CB	OF	CB	OF	CB	OF				
	CB0165	Median	Median	50.94	Portland	OF0107																				
	CB0166	Median	Median	51.04	Portland	OF0108																				
	CB0167	Median	Median	51.19	Portland	OF0109																				
	CB9989	Median	Median	51.3	Portland																					
	CB9990	Median	Median	51.38	Portland																					
	CB0176	Median	Median	51.5	Portland	OF0115																				
	CB0168	Median	Median	51.59	Portland	OF0110																				
	CB0175	Median	Median	51.7	Portland	OF0114																				
	CB0169	Median	Median	51.74	Portland	OF0111																				
	CB0170	NB	Shoulder	51.85	Falmouth	OF0112																				
	CB0171	NB	Median	51.85	Falmouth	OF0112		X		X		X		X		X		X		X		X				
	CB0172	Median	Median	51.85	Falmouth	OF0112		X		X		X		X		X		X		X		X				
	CB0173	SB	Median	51.85	Falmouth	OF0112		X		X		X		X		X		X		X		X				
	CB0174	SB	Shoulder	51.9	Falmouth	OF0113																				
	CB8845	Median	Median	52	Falmouth	OF8861																				
	CB9991	Median	Median	52.1	Falmouth	OF8860																				
	CB8842	SB	Shoulder	52.15	Falmouth	OF8849																				
	CB8843	Median	Median	52.3	Falmouth	OF8850																				
	CB8840	SB	Shoulder	52.35	Falmouth	OF8837																				
	CB8844	SB	Shoulder	52.4	Falmouth	OF8851																				
	CB9999	Median	Median	52.4	Falmouth	OF8852																				
	CB9993	Median	Median	52.4	Falmouth	OF8854																				
	CB8841	NB	Shoulder	52.5	Falmouth	OF8848																				
	CB9992	Median	Median	52.5	Falmouth	OF8853																				
	CB9998	Median	Median	52.6	Falmouth	OF8859																				
	CB9997	Median	Median	52.7	Falmouth	OF8858																				
	CB9996	Median	Median	52.8	Falmouth	OF8857																				
	CB9995	Median	Median	53	Falmouth	OF8856																				
	CB9994	Median	Median	53.2	Falmouth	OF8855																				
	CB0218	SB	Exit Ramp	F0	Falmouth Spur	OF0148																				
	CB0219	SB	Exit Ramp	F0	Falmouth Spur	OF0149																				
	CB0220	SB	Exit Ramp	F0	Falmouth Spur	OF0150																				
	CB0204	Median	Median	F0.55	Falmouth Spur	OF0139																				
	CB0205	Median	Median	F0.563	Falmouth Spur	OF0141																				
	CB0217	Median	Median	F0.73	Falmouth Spur	OF0143 OF0147																				
	CB0213	EB	Median	F0.76	Falmouth Spur	OF0146																				
	CB0214	Median	Median	F0.76	Falmouth Spur	OF0146		X		X		X		X		X		X		X		X				
	CB0215	WB	Shoulder	F0.76	Falmouth Spur	OF0146		X		X		X		X		X		X		X		X				
	CB0216	WB	Median	F0.76	Falmouth Spur	OF0146		X		X		X		X		X		X		X		X				
	CB0212	Median	Median	F0.81	Falmouth Spur	OF0145																				
	CB0211	Median	Median	F1.06	Falmouth Spur	OF0144																				
	CB0206	EB	Shoulder	F1.17	Falmouth Spur	OF0140																				
	CB0207	EB	Median	F1.18	Falmouth Spur	OF0142																				
	CB0208	Median	Median	F1.18	Falmouth Spur	OF0142		X		X		X		X		X		X		X		X				

MAINE TURNPIKE AUTHORITY
Catch Basin Cleanout Tracking Form

MPDES Permit Part IV(D) 3. Illicit Discharge and Elimination (IDDE).
Each permittee must develop, implement and enforce a program to detect and eliminate illicit discharges and non-stormwater discharges, as definied in 06-096CMR521(9)(b)(2), except as provided in Part IV(D)3(c) of this permit into any small MS4.

MTA's SWMP states that MTA shall…
"Utilize regularly scheduled catch basin cleaning to detect possible illicit discharges by visually assessing the contents for the following: unusual color or odor, excessive oil, foam or scum, viscosity, or other suspicious characteristics."

NOTE: This form is to be completed in its entirety each permit year per Maine Department of Environmental Protection.

DIRECTIONS:
Indicate "YES" or "NO" for any of the information collected.
IF "YES" is correct, please describe your observations as follows:

POSSIBLE DESCRIPTIONS FOR EACH CATEGORY

ODOR	**COLOR**	**FLOATABLES**	**VISCOSITY**	**DEPOSITS**
Petroleum	*Grey*	*Algae/scum*	*Low, if like water*	*Sediments* ***(if more than half full, must be cleaned out)***
Rancid/Sour	*Black*	*Foam/suds*	*High, if like oil or molasses*	*Petroleum*
Sewage/Septic	*Brown*	*Oil/sheen*		*Leaves*
Organic	*Green*	*Garbage/debris*	***ABNORMAL VEGETATION***	*Iron staining (which is red-orange-brown discoloration of soils)*
Other	*Other*	*Sewage*	*Excessive growth*	*Other*
None	*Clear*	*Other*	*Stressed/dry/discolored*	*None*

DATA COLLECTED FOR PERMIT YEAR # _____

JULY _____ ***TO JUNE*** _____

COLLECT DATA AS PART OF CATCH BASIN CLEANOUT

COLLECT DATA AS PART OF ANNUAL INSPECTIONS

Indicate amount of sediments observed, if >50% of catchment, must be cleaned out

DATE OF CLEANOUT	**CB** IDENTIFIER	**CB LOCATION with nearest Mile Marker** (Example: 41.77 NB/Med. Shoulder)			**TOWN**	**ASSOCIATED OUTFALL**	**ODOR** (If yes, describe)		**COLOR** (If Yes, describe)		**FLOATABLES** (If Yes, describe)		**VISCOSITY** (If Yes, describe)		**DEPOSITS OR STAINING**		**ABNORMAL VEGITATION**		**DAMAGE** (If Yes, describe)		**TYPE OF FLOW**		**SUSPECTED ILLICIT DISCHARGE**	**CLEANED OUT** Yes/No	**NEEDS CLEANING** Yes/No	**INITIALS OF INSPECTOR AND ANY COMMENTS** include other suspicious characteristics and/or any damage observed (USE THE BACK OF PAGE IF NECESSARY)
							CB	OF	CB	OF	CB	OF	CB	OF	CB	OF	CB	OF	CB	OF	CB	OF				
	CB0209	WB	Median	F1.18	Falmouth Spur	OF0142		X		X		X		X		X		X		X		X		X			
	CB0210	WB	Shoulder	F1.18	Falmouth Spur	OF0142		X		X		X		X		X		X		X		X		X			
	CB0221	Median	Median	F3.7	Falmouth Spur	OF0151																					
	CB0117	NB	Shoulder	41.03	Scarborough	OF0074 OF0079																					
	CB0121	Median	Median	41.21	Scarborough	OF0075&80																					
	CB0122	Median	Median	41.3	Scarborough	OF0076&81																					
	CB0123	Median	Median	41.38	Scarborough	OF0077&82																					
	CB0124	NB	Shoulder	41.38	Scarborough	OF0077&82		X		X		X		X		X		X		X		X		X			
	CB0125	NB	Shoulder	41.47	Scarborough	OF0078&83																					
	CB0126	NB	Median	41.47	Scarborough	OF0078&83		X		X		X		X		X		X		X		X		X			
	CB0127	Median	Median	41.47	Scarborough	OF0078&83		X		X		X		X		X		X		X		X		X			
	CB0128	SB	Median	41.47	Scarborough	OF0078&83		X		X		X		X		X		X		X		X		X			
	CB0129	Median	Median	41.51	Scarborough	OF0079&84																					
	CB0130	Median	Median	41.6	Scarborough	OF0085																					
	CB0116	Median	Median	41.79	Scarborough	OF0086																					
	CB0132	Median	Median	41.77	Scarborough	OF0086		X		X		X		X		X		X		X		X		X			
	CB0115	Median	Median	41.89	Scarborough	OF0087																					
	CB0133	Median	Median	41.87	Scarborough	OF0087		X		X		X		X		X		X		X		X		X			
	CB0131	Median	Median	41.68	Scarborough	OF0088																					
	CB0134	SB	Shoulder	41.47	Scarborough	OF0089																					
	CB0118	NB	Median	41.03	Scarborough	OF0090																					
	CB0119	Median	Median	41.03	Scarborough	OF0090		X		X		X		X		X		X		X		X		X			
	CB0120	SB	Median	41.03	Scarborough	OF0090		X		X		X		X		X		X		X		X		X			
	CB0135	SB	Shoulder	41.03	Scarborough	OF0135																					

** Long Creek Watershed

MAINE TURNPIKE AUTHORITY
Catch Basin Cleanout Tracking Form

MPDES Permit Part IV(D) 3. Illicit Discharge and Elimination (IDDE).
Each permittee must develop, implement and enforce a program to detect and eliminate illicit discharges and non-stormwater discharges, as defined in 06-096CMR521(9)(b)(2), except as provided in Part IV(D)3(c) of this permit into any small MS4.
MTA's SWMP states that MTA shall…
"Utilize regularly scheduled catch basin cleaning to detect possible illicit discharges by visually assessing the contents for the following: unusual color or odor, excessive oil, foam or scum, viscosity, or other suspicious characteristics."

Note: This form is to be completed in its entirety each permit year per Maine Department of Environmental Services.

DATA COLLECTED FOR PERMIT YEAR # _____

JULY _____ TO JUNE _____

DIRECTIONS:
Indicate "YES" or "NO" for any of the information collected.
IF "YES" is correct, please describe your observations as follows:

POSSIBLE DESCRIPTIONS FOR EACH CATEGORY

Petroleum	*Grey*	*Algae/scum*	*Low, if like water*	*Sediments* ***(if more than half full, must be cleaned out)***
Rancid/Sour	*Black*	*Foam/suds*	*High, if like oil or molasses*	*Petroleum*
Sewage/Septic	*Brown*	*Oil/sheen*		*Leaves*
Organic	*Green*	*Garbage/debris*	***ABNORMAL VEGETATIO***	*Iron staining (which is red-orange-brown discoloration of soils)*
Other	*Other*	*Sewage*	*Excessive growth*	*Other*
None	*Clear*	*Other*	*Stressed/dry/discolored*	*None*

Indicate amount of sediments observed, if >50% of catchment, must be cleaned out

DATE OF ACTIVITY	CB IDENTIFIER	CB LOCATION with nearest Mile Marker (Example: 41.77 NB/Med. Shoulder)			TOWN	ASSOCIATED OUTFALL	COLLECT DATA AS PART OF CATCH BASIN (CB) CLEANOUT: ODOR		COLOR (Yes or No)		FLOATABLES (Yes or No)		VISCOSITY		COLLECT DATA AS PART OF ANNUAL INSPECTIONS: DEPOSITS OR STAINING		ABNORMAL VEGETATION		DAMAGE		TYPE OF FLOW		SUSPECTED ILLICIT DISCHARGE	CLEANED OUT Yes/No	NEEDS CLEANING Yes/No	INITIALS OF INSPECTOR AND ANY COMMENTS include other suspicious characteristics and/or any damage observed
							CB	OF	CB	OF	CB	OF	CB	OF	CB	OF	CB	OF	CB	OF	CB	OF	CB	OF				
	CB0047	NB	Shoulder	32	Biddeford	OF0029																						
	CB0048	SB	Shoulder	32	Biddeford	OF0030																						
	CB0049	SB	Median	32	Biddeford	OF0030		X		X		X		X		X		X		X		X		X				
	CB0050	Median	Median	32	Biddeford	OF0030		X		X		X		X		X		X		X		X		X				
	CB0051	NB	Median	32	Biddeford	OF0030		X		X		X		X		X		X		X		X		X				
	CB0052	Median	Median	32.05	Biddeford	OF0031																						
	CB0053	Median	Median	32.23	Biddeford	OF0032																						
	CB0054	Median	Median	32.33	Biddeford	OF0033																						
	CB0055	SB	Median	32.43	Biddeford	OF0034																						
	CB0056	Median	Median	32.43	Biddeford	OF0034		X		X		X		X		X		X		X		X		X				
	CB0057	NB	Median	32.43	Biddeford	OF0034		X		X		X		X		X		X		X		X		X				
	CB0058	Median	Median	32.6	Biddeford	OF0035																						
	CB0059	Median	Median	32.7	Biddeford	OF0036																						
	CB0060	SB	Median	32.7	Biddeford	OF0036		X		X		X		X		X		X		X		X		X				
	CB8847	NB	Median	32.7	Biddeford	OF0036		X		X		X		X		X		X		X		X		X				
	CB0061	SB	Median	32.89	Biddeford	OF0037		X		X		X		X		X		X		X		X		X				
	CB0062	Median	Median	32.89	Biddeford	OF0037		X		X		X		X		X		X		X		X		X				
	CB0063	NB	Median	32.89	Biddeford	OF0037		X		X		X		X		X		X		X		X		X				
	CB8835	Median	Median	32.95	Biddeford	OF8845		X		X		X		X		X		X		X		X		X				
	CB0064	Median	Median	33.21	Saco	OF0038		X		X		X		X		X		X		X		X		X				
	CB0065	Median	Median	33.3	Saco	OF0039		X		X		X		X		X		X		X		X		X				
	CB0066	SB	Shoulder	33.4	Saco	OF0040																						
	CB0067	Median	Shoulder	33.4	Saco	OF0041		X		X		X		X		X		X		X		X		X				
	CB0068	NB	Shoulder	33.4	Saco	OF0041		X		X		X		X		X		X		X		X		X				
	CB8834	SB	Median	33.4	Saco	OF0042																						
	CB8831	SB	Median	33.4	Saco	OF0042		X		X		X		X		X		X		X		X		X				
	CB8830	Median	Median	33.4	Saco	OF0042		X		X		X		X		X		X		X		X		X				
	CB8829	NB	Median	33.4	Saco	OF0042		X		X		X		X		X		X		X		X		X				
	CB8828	NB	Median	33.4	Saco	OF0042		X		X		X		X		X		X		X		X		X				
	CB0069	Median	Median	33.43	Saco	OF0042		X		X		X		X		X		X		X		X		X				
	CB0070	Median	Median	33.49	Saco	OF0043																						
	CB0071	Median	Median	33.59	Saco	OF0044																						
	CB0072	Median	Median	33.68	Saco	OF0045																						
	CB0073	Median	Median	33.78	Saco	OF0046																						
	CB0074	Median	Median	33.87	Saco	OF0047																						
	CB0075	Median	Median	33.97	Saco	OF0048																						
	CB0076	Median	Median	34.04	Saco	OF0049																						

MAINE TURNPIKE AUTHORITY
Catch Basin Cleanout Tracking Form

MPDES Permit Part IV(D) 3. Illicit Discharge and Elimination (IDDE).
Each permittee must develop, implement and enforce a program to detect and eliminate illicit discharges and non-stormwater discharges, as defined in 06-096CMR521(9)(b)(2), except as provided in Part IV(D)3(c) of this permit into any small MS4.
MTA's SWMP states that MTA shall…
"Utilize regularly scheduled catch basin cleaning to detect possible illicit discharges by visually assessing the contents for the following: unusual color or odor, excessive oil, foam or scum, viscosity, or other suspicious characteristics."

Note: This form is to be completed in its entirety each permit year per Maine Department of Environmental Services.

DATA COLLECTED FOR PERMIT YEAR # _____

JULY _____ TO JUNE _____

DIRECTIONS:
Indicate "YES" or "NO" for any of the information collected.
IF "YES" is correct, please describe your observations as follows:

POSSIBLE DESCRIPTIONS FOR EACH CATEGORY

Petroleum	*Grey*	*Algae/scum*	*Low, if like water*	*Sediments* ***(if more than half full, must be cleaned out)***
Rancid/Sour	*Black*	*Foam/suds*	*High, if like oil or molasses*	*Petroleum*
Sewage/Septic	*Brown*	*Oil/sheen*		*Leaves*
Organic	*Green*	*Garbage/debris*	***ABNORMAL VEGETATIO***	*Iron staining (which is red-orange-brown discoloration of soils)*
Other	*Other*	*Sewage*	*Excessive growth*	*Other*
None	*Clear*	*Other*	*Stressed/dry/discolored*	*None*

Indicate amount of sediments observed, if >50% of catchment, must be cleaned out

DATE OF ACTIVITY	CB IDENTIFIER	CB LOCATION with nearest Mile Marker (Example: 41.77 NB/Med. Shoulder)			TOWN	ASSOCIATED OUTFALL	COLLECT DATA AS PART OF CATCH BASIN (CB) CLEANOUT								COLLECT DATA AS PART OF ANNUAL INSPECTIONS								SUSPECTED ILLICIT DISCHARGE	CLEANED OUT Yes/No	NEEDS CLEANING Yes/No	INITIALS OF INSPECTOR AND ANY COMMENTS include other suspicious characteristics and/or any damage observed
							ODOR		COLOR (Yes or No)		FLOATABLES (Yes or No)		VISCOSITY		DEPOSITS OR STAINING		ABNORMAL VEGETATION		DAMAGE		TYPE OF FLOW					
							CB	OF	CB	OF	CB	OF	CB	OF	CB	OF	CB	OF	CB	OF	CB	OF				
	CB0077	Median	Median	34.13	Saco	OF0050																			
	CB0078	Median	Median	34.23	Saco	OF0051																			
	CB0080	SB	Shoulder	34.39	Saco	OF0053																			
	CB0079	Median	Median	34.4	Saco	OF0052																			
	CB0081	SB	Shoulder	34.4	Saco	OF0053		X		X		X		X		X		X		X		X			
	CB0082	NB	Median	34.53	Saco	OF0054																			
	CB0083	Median	Median	34.53	Saco	OF0054		X		X		X		X		X		X		X		X			
	CB0084	SB	Median	34.53	Saco	OF0054		X		X		X		X		X		X		X		X			
	CB0085	SB	Shoulder	34.53	Saco	OF0055																			
	CB0086	Median	Median	34.71	Saco	OF0056																			
	CB0087	Median	Median	34.79	Saco	OF0057																			
	CB0088	SB	Shoulder	34.85	Saco	OF0058																			
	CB0091	Median	Median	34.85	Saco	OF0058		X		X		X		X		X		X		X		X			
	CB0089	NB	Shoulder	34.85	Saco	OF0059																			
	CB0090	NB	Shoulder	34.85	Saco	OF0059		X		X		X		X		X		X		X		X			
	CB8837	Median	Median	34.9	Saco	OF8844																			
	CB0092	Median	Median	34.99	Saco	OF0060																			
	CB0093	Median	Median	35.07	Saco	OF0061																			
	CB8851	Median	Median	35.3	Saco	OF0062																			
	CB0094	NB	Shoulder	35.35	Saco	OF0062		X		X		X		X		X		X		X		X			
	CB0095	NB	Median	35.35	Saco	OF0062		X		X		X		X		X		X		X		X			
	CB0097	Median	Median	35.35	Saco	OF0062		X		X		X		X		X		X		X		X			
	CB0098	SB	Median	35.35	Saco	OF0062		X		X		X		X		X		X		X		X			
	CB0096	SB	Shoulder	35.35	Saco	OF0063																			
	CB0099	NB	Shoulder	35.55	Saco**	OF0064																			
	CB0100	NB	Median	35.55	Saco**	OF0064		X		X		X		X		X		X		X		X			
	CB0101	Median	Median	35.55	Saco**	OF0064		X		X		X		X		X		X		X		X			
	CB0102	SB	Median	35.55	Saco**	OF0064		X		X		X		X		X		X		X		X			
	CB0103	SB	Shoulder	35.64	Saco**	OF0065																			
	CB0110	SB	Exit Ramp	35.7	Saco**	OF0069																			
	CB0111	SB	Exit Ramp	35.7	Saco**	OF0070																			
	CB0112	SB	Exit Ramp	35.7	Saco**	OF0071																			
	CB0113	SB	Exit Ramp	35.7	Saco**	OF0072																			
	CB0114	SB	Exit Ramp	35.7	Saco**	OF0073																			
	CB0104	NB	Shoulder	35.75	Saco**	OF0066																			
	CB0105	NB	Median	35.75	Saco**	OF0066		X		X		X		X		X		X		X		X			

MAINE TURNPIKE AUTHORITY
Catch Basin Cleanout Tracking Form

MPDES Permit Part IV(D) 3. Illicit Discharge and Elimination (IDDE).
Each permittee must develop, implement and enforce a program to detect and eliminate illicit discharges and non-stormwater discharges, as defined in 06-096CMR521(9)(b)(2), except as provided in Part IV(D)3(c) of this permit into any small MS4.
MTA's SWMP states that MTA shall…
"Utilize regularly scheduled catch basin cleaning to detect possible illicit discharges by visually assessing the contents for the following: unusual color or odor, excessive oil, foam or scum, viscosity, or other suspicious characteristics."

Note: This form is to be completed in its entirety each permit year per Maine Department of Environmental Services.

DATA COLLECTED FOR PERMIT YEAR # _____

JULY _____ TO JUNE _____

DIRECTIONS:
Indicate "YES" or "NO" for any of the information collected.
IF "YES" is correct, please describe your observations as follows:

POSSIBLE DESCRIPTIONS FOR EACH CATEGORY

Petroleum	*Grey*	*Algae/scum*	*Low, if like water*	*Sediments* ***(if more than half full, must be cleaned out)***
Rancid/Sour	*Black*	*Foam/suds*	*High, if like oil or molasses*	*Petroleum*
Sewage/Septic	*Brown*	*Oil/sheen*		*Leaves*
Organic	*Green*	*Garbage/debris*	***ABNORMAL VEGETATIO***	*Iron staining (which is red-orange-brown discoloration of soils)*
Other	*Other*	*Sewage*	*Excessive growth*	*Other*
None	*Clear*	*Other*	*Stressed/dry/discolored*	*None*

Indicate amount of sediments observed, if >50% of catchment, must be cleaned out

DATE OF ACTIVITY	CB IDENTIFIER	CB LOCATION with nearest Mile Marker (Example: 41.77 NB/Med. Shoulder)			TOWN	ASSOCIATED OUTFALL	***COLLECT DATA AS PART OF CATCH BASIN (CB) CLEANOUT***								***COLLECT DATA AS PART OF ANNUAL INSPECTIONS***								SUSPECTED ILLICIT DISCHARGE	CLEANED OUT Yes/No	NEEDS CLEANING Yes/No	INITIALS OF INSPECTOR AND ANY COMMENTS include other suspicious characteristics and/or any damage observed
							ODOR		COLOR (Yes or No)		FLOATABLES (Yes or No)		VISCOSITY		DEPOSITS OR STAINING		ABNORMAL VEGETATION		DAMAGE		TYPE OF FLOW					
							CB	OF	CB	OF	CB	OF	CB	OF	CB	OF	CB	OF	CB	OF	CB	OF				
	CB0106	Median	Median	35.75	Saco**	OF0066																				
	CB0107	SB	Median	35.75	Saco**	OF0066																				
	CB0108	Median	Median	35.79	Saco**	OF0067																				
	CB0109	SB	Shoulder	35.87	Saco**	OF0068																				
	CB8852	Median	Median	35.9	Saco**	OF8863																				
	CB8827	Median	Median	Exit 36	Saco**	OF8833																				
	CB8826	Median	Median	Exit 36	Saco**	OF8834																				
	CB8825	Median	Median	Exit 36	Saco**	OF8835																				
	CB8824	Median	Median	Exit 36	Saco**	OF8836																				

** Goosefare Brook Watershed

ATTACHMENT D

O&M SCHEDULE
MTA ADMINISTRATION BUILDING

POST-CONSTRUCTION PERMIT REQUIREMENTS
AND
INSPECTION/MAINTENANCE SCHEDULE FOR NEWLY INSTALLED BMPs
Maine Turnpike Authority
Kittery to Augusta, Maine

INSPECTIONS FOR CALENDAR YEAR: _____

PROJECT DESCRIPTION/ APPLICABLE PERMIT NUMBER	TOWN/ MILE MARKER	PERMANENT STORMWATER MANAGEMENT FACILITIES	MAINTENANCE REQUIREMENTS	FREQUENCY	FOLLOW UP ACTIONS FOR MAINTENANCE REQUIREMENTS	Date of Inspection	Inspector's Initials	Is Stormwater Management Facility functioning as intended? (Yes or No)		Is follow up maintenance required as a result of this inspection? (Yes or No)		Date Maintenance Completed with Inspector's Initials (MM/DD/YYYY by ABC)	Follow-up Maintenance Conducted by whom & When? (Initials/Date)		When was paperwork forwarded to MTA's Environmental Services? (MM/DD/YYYY)
					Underdrain Soil Filter (USF) >>>			Congress	Skyway	Congress	Skyway				
Administration Building	Portland Exit 46	Stormwater Filters (Underdrained Soil filters = USF)	(1) Inspect and clean filters and forebay	Annually	Remove and properly dispose of sand, sediment, debris and floatable materials. *After annual cleaning of filter, USF must drain within 24 hours following a rain event.*										
			(2) Inspect entire feature for debris or clogging	Following significant rain event	Remove and properly dispose of sand, sediment, debris and floatable materials. **If water ponds for more than 72 hours,** rework or replace top several inches of filter to reestablish filtration quality of soil to meet original construction specs.	January									
						February									
						March									
						April									
						May									
						June									
						July									
						August									
						September									
						October									
						November									
						December									
			(3) Mow grass vegetation, including wetland grasses, in filter bed and along detention area side slopes	Semi-annually (maximum)	Wetland grass in filter bed should be mowed no more than 2x/season to maintain height less than 12 inches. *Harvesting and pruning excessive growth, including weeding to control unwanted or invasive plant species, will be performed on a periodic basis, if required*	First date:									
						Second date:									
		Catch Basins	(4) Inspect and clean catch basins	Annually	Remove and properly dispose of sand, sediment, debris and floatable materials.										
		Open pipes and ditches (e.g., stormwater conveyance)	(5) Inspect drainage structures and other BMPs, including closed drainage systems and open channels/ditches for debris, erosion and accumulated sediments	As part of routine maintenance (MONTHLY)	Remove and properly dispose of sand, sediment, debris, etc. NOTE: Accumulated sediment and debris shall be removed and disposed well before accumulation adversely impacts the performance of the drainage system and stormwater filters. Immediately repair any element(s) of the drainage system or stormwater feature that has been damaged, eroded or otherwise not functioning as intended.	January									
						February									
						March									
						April									
						May									
						June									
						July									
						August									
						September									
						October									
						November									
						December									
		Slopes and embankments	(6) Inspect slopes and embankments for erosion and accumulated sediments	As part of routine maintenance (MONTHLY)	Immediately repair any element(s) of the drainage system or stormwater feature that has been damaged, eroded or otherwise not functioning as intended Sediment removal, earth repair and/or reseeding shall be performed immediately upon identification of issue and the site restored to a stable condition.	January									
						February									
						March									
						April									
						May									
						June									
						July									
						August									
						September									
						October									
						November									
						December									
		Pavement areas	(7) Inspect paved areas for debris and sediments	MONTHLY	Remove surface litter from the site, including all swales, ditches, stormwater filters and other areas subject to rainfall/runoff.	January									
						February									
						March									
						April									
						May									
						June									
						July									
						August									
						September									
						October									
						November									
						December									
			(8) Sweep or vacuum any significant debris or accumulated sediment	Annually in Springtime	Remove and properly dispose of sand, sediment, debris and floatable materials.										
		All areas	(9) Inspect site conditions and monitor for erosion and accumulated sediments	As part of routine maintenance (MONTHLY)	Take appropriate corrective actions to maintain the system in good working condition, where/when a problem is noted.	January									
						February									
						March									
						April									
						May									
						June									
						July									
						August									
						September									
						October									
						November									
						December									

TONE CHECK DAM
TYP. EVERY 100')

RING LIMIT AND
FENCE PLACEMENT
ATCH LIMIT OF
IRBANCE

TO BE LOCATED BY
RESIDENT IN THE FIELD

INSET

MATCH LINE

HUTCHINS DRIVE

CONNECTOR ROAD

LEGEND

- S/F — SILT FENCE OR WOOD WASTE BERM
- STONE CHECK DAM
- HAY BALE
- STABILIZED CONSTRUCTION ENTRANCE

Scale: 1"=40'
0' 20' 40' 80'

NORTH

PREPARED BY:
HNTB
HNTB CORP.
2 THOMAS DRIVE
WESTBROOK, ME
04092

ARCHITECTURE ENGINEERING PLANNING
SMRT
144 Fore Street/P.O. Box 618
Portland, Maine 04104
tel. (207) 772-3846
fax. (207) 772-1070

STATE OF MAINE
ROLAND A. LAVALLEE
No. 6452
LICENSED PROFESSIONAL ENGINEER

PROJECT TITLE:
MAINE TURNPIKE AUTHORITY
ADMINISTRATION BUILDING
PORTLAND, MAINE

ISSUED FOR BIDDING/CONSTRUCTION
7-9-07

REV	DESCRIPTION	DATE
4	DOCS FOR OWNER REVIEW	6-11-07
3	ISSUED FOR CITY REVIEW	5-03-07
2	100% OWNER REVIEW	3-23-07
1	ISSUED FOR PERMITTING	2-09-07
0	PRE-SUBMITTAL	1-16-07

GRAPHIC SCALE:
0" 1"

SCALE:	AS NOTED
PROJECT MANAGER:	GAB
JC/DRAWN BY:	MPC
A/E OF RECORD:	GAB
CAD FILE:	X
PROJECT NO:	2007.07
DATE:	01/07

SHEET TITLE:
EROSION AND
SEDIMENT CONTROL
PLAN

SHEET No.
CS301

ATTACHMENT E

DEP LETTER
(dated June 2009)

June 30, 2009

John Branscom
Environmental Services Coordinator
Maine Turnpike Authority
2360 Congress Street
Portland, Maine 04102-1908

Dear John,

The Department has reviewed the Maine Turnpike Authority's ("MTA") Permit year ("PY") five annual report. Your General Permit number is MER043001. I have reviewed all the Minimum Control Measures ("MCMs"), my comments on MTA's annual report are as follows. DEP finds that MTA has met and in some cases exceeded the MS4 permit requirements.

Note: In the future please submit your annual reports in electronic format only to reduce the amount of paper used.

Minimum Measure	Status
1 - Education & Outreach	Exceeds
2 - Public Participation	Exceeds/Meets
3 - Illicit Discharge Detection & Elimination	Meets
4 - Construction Site Runoff Control	Meets
5 - Post-Construction Runoff Control	Meets
6 - Pollution Prevention/Good Housekeeping	Meets

Minimum Control Measure 1. Education & Outreach

BMP 1a., b. Stormwater Pollution Reduction Training: MTA continues to do an excellent job implementing this BMP. I appreciate MTA's supporting data for this BMP in Appendix B. MTA continues to do an excellent job ensuring that construction site operators are properly qualified to perform such duties and have the authority to identify and correct deficiencies.

1c. Collaboration: MTA has been a good partner with other regulated MS4s and has been an active participant in various meetings to improve efficiencies in Maine's MS4 stormwater program.

Minimum Control Measure 2. Public Participation/Involvement

2.1 Public Notice. MTA Complied with Maine Freedom of Access Act ("FOAA").

2.2 Public involvement activities. MTA also participated in many regional, State, and specific watershed meetings and workshops.

Minimum Control Measure 3. Illicit Discharge Detection & Elimination

BMP 3a. Mapping/Prioritization: MTA has done a good job developing and implementing this BMP.

BMP 3b. Dry Weather Inspections: This is a key BMP for the success of this MCM; your report supplies an excellent data sheet but no data as to inspections conducted. Am I missing something? How many dry weather inspections did MTA conduct during PY five?

I believe that MTA has developed and implemented a good employee training program and is well prepared to deal with spills, and has also developed a procedure for reporting illicit non-stormwater discharges to DEP. The structure for this MCM appears strong, but your annual report needs to contain the number and types (outfall, catch basin) of inspections.

Minimum Control Measure 4. Construction Site Runoff Control

MTA has done a good job applying appropriate engineering design and building practices for its construction projects. MTA did an excellent job providing data associated with this MCM in its annual report, Appendix F. I was pleased to learn of the training updates to raise awareness of the additional regulatory obligations associated with the Memorandum of Agreement ("MOA").

Minimum Control Measure 5. Post Construction Site Runoff Control

MTA has a good job complying with this MCM and providing supporting data in its annual report.

Minimum Control Measure 6. Pollution Prevention/Good Housekeeping

BMP 6b. Training: MTA has done an excellent job developing and implementing its training programs.

BMP 6c. Street Sweeping: This should be listed as a BMP specifically under MCM 6. I did see in Appendix F that MTA implemented a sweeping program for its paved surfaces- well done.

BMP 6d Catch Basin Cleaning: MTA inspects 100% of its catch basins and cleans approximately 50% of its basins annually. This is a great opportunity to collect data on what's in these structures other than sediment such as oil, trash, etc. Is your catch basin cleaning prioritized or just done as needed?

Conclusion

MTA has substantially complied with the first five year permit cycle of Maine's MS4 General Permit. I appreciate your involvement and commitment to Maine's municipal stormwater program. I hope to see MTA build on its successes in subsequent permit years/permit cycles.

Maine's municipal stormwater program will continue to evolve to meet the challenges of reducing or eliminating polluted stormwater runoff and restoring water quality to impaired waters and preventing surface waters from becoming impaired. I look forward to the MTA's future involvement with the Interlocal Group to foster collaborative efforts to address the upcoming stormwater runoff challenges.

MTA has developed a good five year plan to comply with the State's 2008 MS4 General Permit, and has a well coordinated team approach for the implementation of its stormwater Plan. No successful MS4 stormwater program in the State can be fully administered by only one person.

I have asked a few questions during my review of your PY five annual report. You may address these questions in your PY one report in September. If you have any questions do not hesitate to call me.

Sincerely,

David Ladd
Municipal and Industrial Stormwater Coordinator
Maine DEP
17 State House Station
Augusta, ME 04333-0017
(207) 287-5404
FAX: (207) 287-7826
MAILTO:david.ladd@maine.gov
Think Blue
Clean Water Starts With You!
Cc: File MER043001