Hand-enter Your Transmittal Number

Your unique Transmittal Number can be accessed online: http://www.state.ma.us/scripts/dep/trasmfrm.sml or call DEP's InfoLine at 617-338-2255 or 800-462-0444 (from 508, 781, and 978 area codes).

Massachusetts Department of Environmental Protection
Transmittal Form for Permit Application and Payment

A. Permit Information

BRP WM 08 A
Stormwater
Permit Code: 7 or 8 character code from permit instructions
Name of Permit Category
Notice of Intent for Discharges from Small Municipal Separate Storm Sewer Systems (MS4s)
Type of Project or Activity

B. Applicant Information – Firm or Individual

City of Lowell

Name of Firm - Or, if party needing this approval is an individual enter name below:
Cox

Last Name of Individual
375 Merrimack Street
Street Address
Lowell MA 01852
City/Town
State Zip Code
John F
First Name of Individual
MI

Contact Person
Stephen M. Curran, P.E.
scurran@ci.lowell.ma.us
e-mail address (optional)

C. Facility, Site or Individual Requiring Approval

Lowell Storm Sewer System
N/A
Name of Facility, Site or Individual
DEP Facility Number (if Known)
(Entire City)

Street Address
Lowell
City/Town
N/A
Federal I.D. Number (if Known)
e-mail address (optional)
MA 01852
State Zip Code
Telephone #: and extension

D. Application Prepared by (if different from Section B)

Camp Dresser & McKee Inc.
Name of Firm Or Individual
1001 Elm Street
Address
Manchester NH 03101
City/Town
State Zip Code
603-222-8300
Telephone #: and extension
Joshua MacCulloch
Contact Person
N/A
LSP Number (21E only)

E. Permit - Project Coordination

Is this project subject to MEPA review? ☐ yes ☒ no
If yes, enter the project's EOA file number:
EOEA file number
Is an Environmental Impact Report Required? ☐ yes ☒ no
Is this application part of a larger project for which two or more DEP permits are being or will be sought? ☐ yes ☒ no
List any other DEP permits that apply to this project:

<table>
<thead>
<tr>
<th>Permit Category</th>
<th>Date of Submission (tentative or actual)</th>
<th>Transmittal # if application already submitted</th>
</tr>
</thead>
<tbody>
<tr>
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<td></td>
<td></td>
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<tr>
<td></td>
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<td></td>
</tr>
</tbody>
</table>

F. Amount Due

Special Provisions:
☒ Fee Exempt* (city, town or municipal housing authority)(state agency if fee is $100 or less)
☒ Hardship Request - payment extensions according to 310 CMR 4.04(3)(c)
☒ Alternative Schedule Project (according to 310 CMR 4.05 and 4.10)

*There are no fee exemptions for 21E, regardless of applicant status

Check Number
Dollar Amount
Date

Please make check payable to the Commonwealth of Massachusetts and mail check and one copy of this form to:
DEP, P.O. Box 4082, Boston, MA 02211

DEP Trans form • rev. 5/03
Massachusetts Department of Environmental Protection
Bureau of Resource Protection - Watershed Management

BRP WM 08A NPDES Stormwater General Permit
Notice of Intent for Discharges from Small Municipal Separate Storm Sewer Systems (MS4s)

A. Instructions
Submission of this Notice of Intent constitutes notice that the entity named at item B1. of this form intends to be authorized by the DEP General Permit issued jointly with EPA for stormwater discharges from the small municipal separate storm sewer system (MS4), in the location identified at item B2. of this form. Submission of the Notice of Intent also constitutes notice that the party identified at item B1. has read, understands and meets the eligibility conditions of Part I.B. of the NPDES Small MS4 General Permit, agrees to comply with all applicable terms and conditions of the NPDES Small MS4 General Permit, and understands that continued authorization to discharge is contingent on maintaining eligibility for coverage. In order to be granted coverage, all information required on BRP WM 08A, including the Stormwater Management Program Summary and Time Frames form, must be completed. Please read the permit and make sure you comply with all requirements, including the requirement to develop and implement a stormwater management program.

B. Applicant Information

1. Small MS4 Operator/Owner Information:
   John F. Cox, City Manager
   Name
   375 Merrimack Street
   Mailing Address
   Lowell
   City/Town
   978-970-4000
   Telephone Number
   MA
   State
   (if available)

2. Municipality Name
   Lowell, MA
   City/Town

3. Legal Status:
   ☐ Federal  ☒ City/Town  ☐ State  ☐ Tribal  ☐ Private
   ☐ Other public entity: Specify Public Entity

4. Other regulated MS4(s) within municipal boundaries:
   Massachusetts Highway Department, University of Lowell

5. Based on the instructions provided in Part I of the NPDES Small MS4 General Permit, have the eligibility criteria for "listed species" and critical habitat been met?
   ☒ yes  ☐ pending  ☐ no

JUL 30 2003

MUNICIPAL ASSISTANCE UNIT
B. Applicant Information (cont.)

6. Based on the instructions provided in Part I of the NPDES Small MS4 General Permit, have the eligibility criteria for protection of historic properties been met?
   - [ ] yes  [ ] pending  [ ] no

---

### C. Names of (Presently Known) Receiving Waters

<table>
<thead>
<tr>
<th>Receiving Water:</th>
<th>No. of Outfalls</th>
<th>Listed as Impaired?</th>
<th>Impairment</th>
</tr>
</thead>
<tbody>
<tr>
<td>Merrimack River</td>
<td>Unknown</td>
<td>[ ] Yes  [ ] No</td>
<td>Metals, Nutrients, Flow Alteration, Pathogens</td>
</tr>
<tr>
<td>Name</td>
<td>Number</td>
<td></td>
<td>Specify</td>
</tr>
<tr>
<td>Concord River</td>
<td>Unknown</td>
<td>[ ] Yes  [ ] No</td>
<td>Metals, Nutrients, Pathogens</td>
</tr>
<tr>
<td>Name</td>
<td>Number</td>
<td></td>
<td>Specify</td>
</tr>
<tr>
<td>River Meadow Brook</td>
<td>Unknown</td>
<td>[ ] Yes  [ ] No</td>
<td>Pathogens</td>
</tr>
<tr>
<td>Name</td>
<td>Number</td>
<td></td>
<td>Specify</td>
</tr>
<tr>
<td>Beaver Brook</td>
<td>Unknown</td>
<td>[ ] Yes  [ ] No</td>
<td>Unknown Toxicity, Siltation, Pathogens, Turbidity</td>
</tr>
<tr>
<td>Name</td>
<td>Number</td>
<td></td>
<td>Specify</td>
</tr>
<tr>
<td>Black Brook</td>
<td>Unknown</td>
<td>[ ] Yes  [ ] No</td>
<td></td>
</tr>
<tr>
<td>Name</td>
<td>Number</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Marginal Brook</td>
<td>Unknown</td>
<td>[ ] Yes  [ ] No</td>
<td></td>
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<tr>
<td>Name</td>
<td>Number</td>
<td></td>
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</tr>
<tr>
<td>Hamilton Canal</td>
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<td>[ ] Yes  [ ] No</td>
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<tr>
<td>Name</td>
<td>Number</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Merrimack Canal</td>
<td>Unknown</td>
<td>[ ] Yes  [ ] No</td>
<td></td>
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<tr>
<td>Name</td>
<td>Number</td>
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<td></td>
</tr>
<tr>
<td>Western Canal</td>
<td>Unknown</td>
<td>[ ] Yes  [ ] No</td>
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<tr>
<td>Name</td>
<td>Number</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Pawtucket Canal</td>
<td>Unknown</td>
<td>[ ] Yes  [ ] No</td>
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<tr>
<td>Name</td>
<td>Number</td>
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<tr>
<td>Clay Pit Brook</td>
<td>Unknown</td>
<td>[ ] Yes  [ ] No</td>
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</tr>
<tr>
<td>Name</td>
<td>Number</td>
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</tr>
<tr>
<td>Flagg Meadow Brook</td>
<td>Unknown</td>
<td>[ ] Yes  [ ] No</td>
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</tr>
<tr>
<td>Name</td>
<td>Number</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Middlesex Canal</td>
<td>Unknown</td>
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<tr>
<td>Name</td>
<td>Number</td>
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<tr>
<td>Middlesex Brook</td>
<td>Unknown</td>
<td>[ ] Yes  [ ] No</td>
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</tr>
<tr>
<td>Name</td>
<td>Number</td>
<td></td>
<td></td>
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<tr>
<td>Name</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Name</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
D. Stormwater Management Program Summary

1. Public Education:

   1-1
   BMP ID #
   Continue Earth Day Celebration
   Specify Best Management Practice
   Parks Department
   Responsible Dept./Person Name
   Event held
   Specify Measurable Goal

   1-2
   BMP ID #
   Develop and Distribute Stormwater Brochure
   Specify Best Management Practice
   Department of Public Works (DPW)
   Responsible Dept./Person Name
   Develop stormwater brochure during Year 1 and distribute during Year 2
   Specify Measurable Goal

   Pet waste brochure will be developed during Year 2 and distributed to all licensed dog owners during Years 3-5. Pet waste signs to be installed at City parks during Years 2 through 5.
   Specify Measurable Goal

   1-3
   BMP ID #
   Increase Awareness of Proper Pet Waste Disposal at City Parks
   Specify Best Management Practice
   DPW (primary), City Clerk and Parks Department
   Responsible Dept./Person Name

2. Public Participation:

   2-1
   BMP ID #
   Comply with State Public Notification Guidelines
   Specify Best Management Practice
   City clerk and other relevant City departments
   Responsible Dept./Person Name
   Comply with state public notification guidelines
   Specify Measurable Goal

   2-2
   BMP ID #
   Hold Annual Household Hazardous Waste/Tire Collection Days
   Specify Best Management Practice
   DPW
   Responsible Dept./Person Name
   Hazardous waste/tire collection days held at least once per year.
   Specify Measurable Goal

   2-3
   BMP ID #
   Install Catch Basin Signage/Plaques
   Specify Best Management Practice
   DPW
   Responsible Dept./Person Name
   Fifty catch basins per year for five years
   Specify Measurable Goal
3. Illicit Discharge Detection and Elimination:

3-1
BMP ID #
Map Outfalls and Receiving Waters
Specify Best Management Practice

City Engineering Department
Responsible Dept./Person Name
Map completed
Specify Measurable Goal

3-2
BMP ID #
Continue to Enforce a Bylaw Requiring Inspection of New Construction for Correct Connection to the Sanitary Sewer
Specify Best Management Practice

City Engineering Department
Responsible Dept./Person Name
Continue existing program
Specify Measurable Goal

3-3
BMP ID #
Continue to Enforce Bylaw Prohibiting Illicit Discharges, Including Illegal Dumping, to the Storm Sewer System
Specify Best Management Practice

City Engineering Department
Responsible Dept./Person Name
Continue existing program
Specify Measurable Goal

3-4
BMP ID #
Dry Weather Screening of Outfalls
Specify Best Management Practice

City Engineering Department
Responsible Dept./Person Name
All outfalls screened once during permit period
Specify Measurable Goal

3-5
BMP ID #

Develop and Implement System for Elimination of Illicit Discharges
Specify Best Management Practice

DPW
Responsible Dept./Person Name

Based on prioritized results from BMP #3-4, the City will determine a method for staffing inspections of storm drain lines, develop notification and funding procedures for removal, and develop and maintain a database showing illicit connections.
Specify Measurable Goal
D. Stormwater Management Program Summary (Cont.)

4. Construction Site Runoff Control:

4-1
BMP ID #
Continue to Apply Standard 8 of the Massachusetts Stormwater Policy
Specify Best Management Practice
Conservation Commission
Responsible Dept./Person Name
Standard 8 of MSP applied.
Specify Measurable Goal

4-2
BMP ID #
Continue to Enforce Procedure to Inspect and Enforce Control Measures at Construction Sites
Specify Best Management Practice
City Engineering Department
Responsible Dept./Person Name
Continue existing program
Specify Measurable Goal

4-3
BMP ID #
Continue to Enforce Procedures for Collection/Filing of Public Comments
Specify Best Management Practice
City Engineering Department
Responsible Dept./Person Name
Continue existing program
Specify Measurable Goal

4-4
BMP ID #
Develop and Present an Ordinance to Require and Erosion and Sediment Control Plan, Construction Material Management Plan, and Plan Review for Sites Disturbing More Than 1-acre
Specify Best Management Practice
City Engineering Department
Responsible Dept./Person Name
Draft ordinance language and present it to City Council for approval
Specify Measurable Goal

5. Post Construction Runoff Control:

5-1
BMP ID #
Continue to Implement City's Planning Board Rules and Regulations for Subdivisions
Specify Best Management Practice
City Engineering Department
Responsible Dept./Person Name
Continue to implement plans for work within wetlands, subdivisions and non-residential building construction
Specify Measurable Goal
D. Stormwater Management Program Summary (Cont.)

5-2
BMP ID #
Apply Standards 2, 3, 4, 7, and 9 of the Massachusetts Stormwater Policy to the Entire City
City Engineering Department
Specify Best Management Practice
Responsible Dept./Person Name
Review existing regulations, and develop proposed modifications as needed
Specify Measurable Goal

5-3
BMP ID #
Develop and Implement an Ordinance/Regulation That Ensures Long-Term Maintenance of Private Structural BMPs
City Engineering Department
Specify Best Management Practice
Responsible Dept./Person Name
Draft bylaw developed and presented to City Council
Specify Measurable Goal

6. Municipal Good Housekeeping:

6-1
BMP ID #
Continue to Street Sweeping Program
Specify Best Management Practice
Continue to Street Sweeping Program
DPW
Responsible Dept./Person Name
Percentage of streets swept annually, emphasis on areas of sensitive receptors
Specify Measurable Goal

6-2
BMP ID #
Continue Catch Basin Cleaning Program
Specify Best Management Practice
Continue Catch Basin Cleaning Program
Lowell Regional Wastewater Utility
Responsible Dept./Person Name
Percentage of catchbasins cleaned annually, emphasis on areas of sensitive receptors
Specify Measurable Goal

6-3
BMP ID #
Continue Salting and Snow Removal Practices
Specify Best Management Practice
Continue Salting and Snow Removal Practices
DPW
Responsible Dept./Person Name
Continue existing program - refrain from using salt in sensitive areas, store salt in a covered salt shed and calibrate salt spreaders as needed.
Specify Measurable Goal
D. Stormwater Management Program Summary (cont.)

<table>
<thead>
<tr>
<th>BMP ID #</th>
<th>Continue Vehicle Washing Practices</th>
<th>DPW Responsible Dept./Person Name</th>
<th>Specify Measurable Goal</th>
</tr>
</thead>
<tbody>
<tr>
<td>6-4</td>
<td>Continue existing program - vehicles are washed in the DPW yard, which is in the combined area of Lowell, governed by another permit</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>BMP ID #</th>
<th>Continue Vehicle Maintenance Practices</th>
<th>DPW Responsible Dept./Person Name</th>
<th>Specify Measurable Goal</th>
</tr>
</thead>
<tbody>
<tr>
<td>6-5</td>
<td>Continue existing program - vehicles are maintained in the DPW yard, which is in the combined area of Lowell, governed by another permit</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>BMP ID #</th>
<th>Park and Landscape Maintenance</th>
<th>DPW Responsible Dept./Person Name</th>
<th>Specify Measurable Goal</th>
</tr>
</thead>
<tbody>
<tr>
<td>6-7</td>
<td>Continue to minimize application of herbicides, pesticides, and fertilizers at City parks, etc. In areas of sensitive receptors and maintains records of landscape practices</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>BMP ID #</th>
<th>Develop/Implement Employee Education Program</th>
<th>DPW Responsible Dept./Person Name</th>
<th>Specify Measurable Goal</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Four hours of training per permit term on stormwater related topics for public works employees</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

7. BMPs for Meeting TMDL:

<table>
<thead>
<tr>
<th>BMP ID #</th>
<th>Specify Measurable Goal</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>
E. Certification

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

John F. Cox, City Manager
Printed Name

Signature

07-29-05
Date
<table>
<thead>
<tr>
<th>BMP ID</th>
<th>PERMIT YEAR ONE</th>
<th>PERMIT YEAR TWO</th>
<th>PERMIT YEAR THREE</th>
<th>PERMIT YEAR FOUR</th>
<th>PERMIT YEAR FIVE</th>
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<tbody>
<tr>
<td></td>
<td>Spring 03</td>
<td>Summer 03</td>
<td>Winter 03-04</td>
<td>Spring 04</td>
<td>Summer 04</td>
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<tr>
<td>#1-1</td>
<td>Earth Day</td>
<td>X</td>
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<tr>
<td>#1-2</td>
<td>Brochure</td>
<td>X</td>
<td>(Develop Brochure)</td>
<td>X</td>
<td>(Distribute Brochure)</td>
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<tr>
<td>#1-3</td>
<td>Pet Waste</td>
<td>X</td>
<td>(Develop Brochure)</td>
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<tr>
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<td>Map</td>
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<td>Insp Bylaw</td>
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<td>(Develop Procedure)</td>
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<td>#3-3</td>
<td>Illicit Bylaw</td>
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<tr>
<td>#3-4</td>
<td>Screen</td>
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<td>#3-5</td>
<td>Elimination</td>
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<td>Ordinance</td>
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<td>X</td>
<td>(Present to City Council)</td>
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<td></td>
<td>(Draft Ordinance)</td>
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<tr>
<td>#5-1</td>
<td>Plan Board</td>
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<td>#5-4</td>
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<td>(Draft Ordinance)</td>
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<td>#5-5</td>
<td>CB Cleaning</td>
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<td>#5-6</td>
<td>Salt/ Snow</td>
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</tr>
<tr>
<td>#5-7</td>
<td>Vehicle Wash</td>
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<tr>
<td>#5-8</td>
<td>Vehicle Maint</td>
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<tr>
<td>#5-9</td>
<td>Park Maint</td>
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</tr>
<tr>
<td>#6-7</td>
<td>Employe Ed</td>
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</tbody>
</table>