

Year 7 Annual Report
Massachusetts Small MS4 General Permit
Reporting Period: July 1, 2024-June 30, 2025

Please DO NOT attach any documents to this form. Instead, attach all requested documents to an email when submitting the form. Also ensure any websites included on this form are to publicly accessible sites

Unless otherwise noted, all fields are required to be filled out. If a field is left blank, it will be assumed the requirement or task has not been completed. Please ONLY report on activities between July 1, 2024 and June 30, 2025 unless otherwise requested.

Part I: Contact Information

Name of Municipality or Organization:

EPA NPDES Permit Number:

Primary MS4 Program Manager Contact Information

Name: Title:

Street Address Line 1:

Street Address Line 2:

City: State: Zip Code:

Email: Phone Number:

Stormwater Management Program (SWMP) Information

SWMP Location (publicly available web address):

Date SWMP was Last Updated:

If the SWMP is not available on the web please provide the physical address:

Part II: Self-Assessment

First, in the box below, select the impairment(s) and/or TMDL(s) that are applicable to your MS4. Make sure you are referring to the most recent EPA approved Section 303(d) Impaired Waters List which can be found here: <https://www.epa.gov/tmdl/region-1-impaired-waters-and-303d-lists-state>

Impairment(s)

Bacteria/Pathogens Chloride Nitrogen Phosphorus
 Solids/ Oil/ Grease (Hydrocarbons)/ Metals

TMDL(s)

In State:

Assabet River Phosphorus Bacteria and Pathogen Cape Cod Nitrogen
 Charles River Watershed Phosphorus Lake and Pond Phosphorus

Out of State:

Bacteria/Pathogens Metals Nitrogen Phosphorus

Next, check off all requirements below that have been completed. **By checking each box you are certifying that you have completed that permit requirement fully.** If you have not completed a requirement leave the box unchecked. Additional information will be requested in later sections.

Year 7 Requirements

- Completed catchment investigations associated with Problem Outfalls
- Completed catchment investigations where information gathered on the outfall/interconnection indicated sewer input

Annual Requirements

- Provided an opportunity for public participation in review and implementation of SWMP and complied with State Public Notice requirements
- Kept records relating to the permit available for 5 years and made available to the public
- The SSO inventory has been updated, including the status of mitigation and corrective measures implemented
 - This is not applicable because we do not have sanitary sewer
 - This is not applicable because we did not find any new SSOs
 - The updated SSO inventory is attached to the email submission
 - The updated SSO inventory can be found at the following publicly available website:

- Updated system map due in year 10 with information from completed catchment investigations
- Provided training to employees involved in IDDE program within the reporting period
- Properly stored and disposed of catch basin cleanings and street sweepings so they did not discharge to receiving waters

- All curbed roadways were swept at least once within the reporting period
- Enclosed all road salt storage piles or facilities and implemented winter road maintenance procedures to minimize the use of road salt
- Implemented SWPPPs for all permittee owned or operated maintenance garages, public works yards, transfer stations, and other waste handling facilities
- Updated inventory of all permittee owned facilities as necessary
- O&M programs for all permittee owned facilities have been completed and updated as necessary
- Implemented all maintenance procedures for permittee owned facilities in accordance with O&M programs
- Implemented program for MS4 infrastructure maintenance to reduce the discharge of pollutants
- Inspected all permittee owned treatment structures (excluding catch basins)

Optional: If you would like to describe progress made on any incomplete requirements listed above or provide any additional details, please use the box below:

With the exception of a new Water Maintenance Building, all City owned buildings that would require a SWPPP are within the Combined Sewer System and therefore are not subject to the annual requirements detailed above. A SWPPP will be prepared for the new building in 2025. A Green Crew was hired in 2022 and is tasked with maintenance of all City owned BMP's.

Bacteria/ Pathogens (Combination of Impaired Waters Requirements and TMDL Requirements as Applicable)

Annual Requirements

*Public Education and Outreach**

- Annual message was distributed encouraging the proper management of pet waste, including noting any existing ordinances where appropriate
- Permittee or its agents disseminated educational material to dog owners at the time of issuance or renewal of dog license, or other appropriate time
- Provided information to owners of septic systems about proper maintenance in any catchment that discharges to a water body impaired for bacteria
 - This is not applicable because there are no septic systems present

** Public education messages can be combined with other public education requirements as applicable (see Appendix F and H for more information)*

Optional: If you would like to describe progress made on any incomplete requirements listed above or provide any additional details, please use the box below:

The majority of areas within the City that are serviced by septic systems are within any catchment that discharges to a water body impaired for bacteria. Only a couple of isolated areas within the MS4 service area are serviced by septic systems and those streets that aren't serviced by sewers are encouraged to extend the sewer instead of installing a new septic system. The largest neighborhood that still has septic systems within the urbanized area is the Lake Avenue neighborhood and a sewer system has already been installed. Residents are encouraged to tie in to the new sewer system & are required to if their septic system needs repairs.

Nitrogen (Combination of Impaired Waters Requirements and TMDL Requirements as Applicable)

Annual Requirements

*Public Education and Outreach**

- Distributed an annual message in the spring (April/May) that encourages the proper use and disposal of grass clippings and encourages the proper use of slow-release fertilizers
- Distributed an annual message in the summer (June/July) encouraging the proper management of pet waste, including noting any existing ordinances where appropriate
- Distributed an annual message in the fall (August/September/October) encouraging the proper disposal of leaf litter

* *Public education messages can be combined with other public education requirements as applicable (see Appendix F and H for more information)*

Good Housekeeping and Pollution Prevention for Permittee Owned Operations

- Increased street sweeping frequency of all municipal owned streets and parking lots subject to Permit part 2.3.7.a.iii.(c) to a minimum of two times per year (spring and fall)

Structural BMPs

- Installed a structural BMP as a demonstration project within the drainage area of the water quality limited water or its tributaries. The type of BMP installed is (*e.g. biofiltration*):

Rain Garden - Installed in the median of Middle Rd as a very visible demonstration project in a well traveled part of the City.

Any structural BMPs listed in Attachment 3 to Appendix F already existing or installed in the regulated area by the permittee or its agents was tracked and the nitrogen removal by the BMP was estimated

consistent with Attachment 3 to Appendix F. The BMP type, total area treated by the BMP, the design storage volume of the BMP, and the estimated nitrogen removed in mass per year by the BMP were documented.

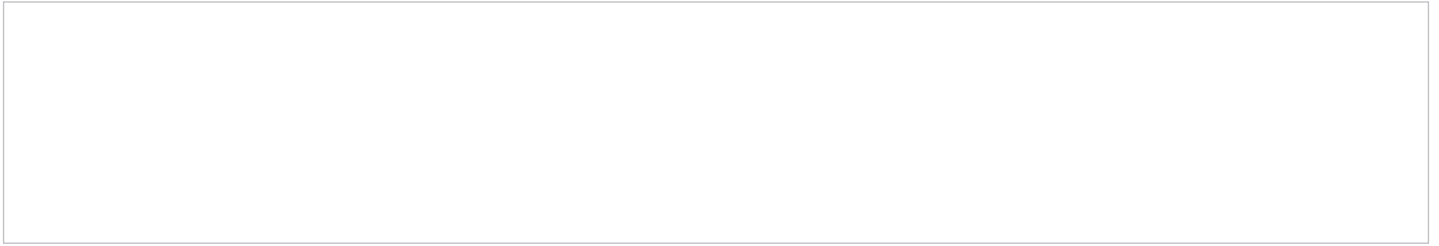
- No BMPs were installed
- The above referenced BMP information is attached to the email submission
- The above referenced BMP information can be found at the following publicly available website:

Total estimated nitrogen removed in lbs/year from the installed BMPs:

Optional: If you would like to describe progress made on any incomplete requirements listed above or provide any additional details, please use the box below:

See attached listing of BMP's planned for installation pending securing a funding source.

Optional: Use the box below to provide any additional information you would like to share as part of your self-assessment:



Part III: Receiving Waters/Impaired Waters/TMDL

Have you made any changes to your lists of receiving waters, outfalls, or impairments since the NOI was submitted?

- Yes
- No

If yes, describe below, including any relevant impairments or TMDLs:

Part IV: Minimum Control Measures

Please fill out all of the metrics below. If applicable, include in the description who completed the task if completed by a third party.

MCM1: Public Education

Number of educational messages completed during this reporting period:

Below, report on the educational messages completed during this reporting period. For the measurable goal(s) please describe the method/measures used to assess the overall effectiveness of the educational program.

BMP:Fall - Be a Leaf Hero 1

Message Description and Distribution Method:

Educational flyer with tips for keeping fallen leaves out of streets, storm drains, ditches and streams and to compost leaves & yard clippings

Targeted Audience:

Responsible Department/Parties:

Measurable Goal(s):

Greater Community Awareness.

Message Date(s):

Message Completed for: Appendix F Requirements Appendix H Requirements

Was this message different than what was proposed in your NOI? Yes No

If yes, describe why the change was made:

BMP:Be a Leaf Hero 2

Message Description and Distribution Method:

Educational flyer with additional tips for keeping fallen leaves out of streets, storm drains and streams and to compost leaves & yard clippings.

Targeted Audience:

Responsible Department/Parties:

Measurable Goal(s):

Greater Community Awareness

Message Date(s): September, October, November

Message Completed for: Appendix F Requirements Appendix H Requirements

Was this message different than what was proposed in your NOI? Yes No

If yes, describe why the change was made:

BMP:How to Dispose of Fall Leaves

Message Description and Distribution Method:

Educational flyer with tips for disposing of fallen leaves.

Targeted Audience: Residents

Responsible Department/Parties: Environment Department

Measurable Goal(s):

Greater Community Awareness

Message Date(s): September, October, November

Message Completed for: Appendix F Requirements Appendix H Requirements

Was this message different than what was proposed in your NOI? Yes No

If yes, describe why the change was made:

BMP:Wipes CLOG Pipes

Message Description and Distribution Method:

One of 2 educational flyers describing the problem of disposing non flushable wipes into the sewer. We occasionally send mailers out to local businesses in areas where we experience problems with clogged pipes.

Targeted Audience: Businesses, institutions and commercial facilities

Responsible Department/Parties: Environment Department

Measurable Goal(s):

Reduction in clogged pipes and buildup of rags in pumps at area pumping stations. We recently had an issues with a pumping station where rags were clogging a pump every month. The pump station no longer has a problem with rags clogging pumps.

Message Date(s): Mass mailing to Industrial Park area on 5/2024 and intermittently in other areas as needed.

Message Completed for: Appendix F Requirements Appendix H Requirements

Was this message different than what was proposed in your NOI? Yes No

If yes, describe why the change was made:

BMP:No Wipes in the Pipes

Message Description and Distribution Method:

The 2nd of 2 educational flyers describing the problems of disposing non flushable wipes into the sewer. One of 2 educational flyers describing the problem of disposing non flushable wipes into the sewer. We occasionally send mailers out to local businesses in areas where we experience problems with clogged pipes.

Targeted Audience: Businesses, institutions and commercial facilities

Responsible Department/Parties: Environment Department

Measurable Goal(s):

Reduction in clogged pipes and rag buildup on pumps at area pumping stations. We recently had an issues with a pumping station where rags were clogging a pump every month. The pump station no longer has a problem with rags clogging pumps.

Message Date(s): Intermittently as needed.

Message Completed for: Appendix F Requirements Appendix H Requirements

Was this message different than what was proposed in your NOI? Yes No

If yes, describe why the change was made:

BMP:Spring-Green Grass & Clean Water

Message Description and Distribution Method:

Educational flyer describing water quality lawn care recommendations for New England.

Targeted Audience: Residents

Responsible Department/Parties: Environment Department

Measurable Goal(s):

Greater Community Awareness

Message Date(s): March, April, May

Message Completed for: Appendix F Requirements Appendix H Requirements

Was this message different than what was proposed in your NOI? Yes No

If yes, describe why the change was made:

BMP:Going Green with Storm Water - Rain Gardens

Message Description and Distribution Method:

Educational flyer describing what is a rain garden & recommendations for building one.

Targeted Audience: Residents

Responsible Department/Parties: Environment Department

Measurable Goal(s):

Greater community awareness. # of rain gardens proposed in new residential and other development projects.

Message Date(s): March, April & May

Message Completed for: Appendix F Requirements Appendix H Requirements

Was this message different than what was proposed in your NOI? Yes No

If yes, describe why the change was made:

BMP:What's so Bad About Dog Waste

Message Description and Distribution Method:

Educational flyer describing why not picking up dog waste is bad for the environment and what you should do with your dog waste.

Targeted Audience: Residents

Responsible Department/Parties: Environment Department

Measurable Goal(s):

Greater community awareness.

Message Date(s): All year

Message Completed for: Appendix F Requirements Appendix H Requirements

Was this message different than what was proposed in your NOI? Yes No

If yes, describe why the change was made:

BMP: Dog Waste & Surface Water Quality

Message Description and Distribution Method:

Educational flyer describing why not picking up dog waste is bad for the environment and what you should do with your dog waste.

Targeted Audience: Residents

Responsible Department/Parties: Environment Department

Measurable Goal(s):

Greater community awareness.

Message Date(s): All year.

Message Completed for: Appendix F Requirements Appendix H Requirements

Was this message different than what was proposed in your NOI? Yes No

If yes, describe why the change was made:

Add an Educational Message

MCM2: Public Participation

Describe the opportunity provided for public involvement in the development of the Stormwater Management Program (SWMP) **during this reporting period:**

The City's SWMP was not revised during this reporting period.

Was this opportunity different than what was proposed in your NOI? Yes No

Describe any other public involvement or participation opportunities conducted **during this reporting period:**

Used Oil Collection Events – Allow the public to drop off used oil periodically throughout the year at the City

Garage.

MCM3: Illicit Discharge Detection and Elimination (IDDE)

Sanitary Sewer Overflows (SSOs)

Check off the box below if the statement is true.

- This SSO section is NOT applicable because we DO NOT have sanitary sewer

Below, report on the number of SSOs identified in the MS4 system and removed **during this reporting period**.

Number of SSOs identified:

Number of SSOs removed:

MS4 System Mapping

Percent of Phase II map complete:

Optional: Provide additional status information regarding your map:

Our MS4 system has been fully mapped. We continue to verify components and correct errors made during the initial process as we have begun to re-inspect the components of the system.

Screening of Outfalls/Interconnections

If conducted, please submit any outfall monitoring results from this reporting period. Outfall monitoring results should include the date, outfall/interconnection identifier, location, weather conditions at time of sampling, precipitation in previous 48 hours, field screening parameter results, and results from all analyses. Please also include the updated inventory and ranking of outfalls/interconnections based on monitoring results.

- No outfalls were inspected
- The above referenced outfall screening data is attached to the email submission
- The above referenced outfall screening data can be found at the following publicly available website:

Below, report on the number of outfalls/interconnections screened **during this reporting period**.

Number of outfalls screened:

Below, report on the percent of outfalls/interconnections screened **to date**.

Percent of outfalls screened:

Optional: Provide additional information regarding your outfall/interconnection screening:

254 outfalls within the City limits have been screened in previous years with 116 within the regulated area. 56 outfalls within the MS4 area were rescreened this year.

Catchment Investigations

If conducted, please submit all data collected during this reporting period as part of the dry and wet weather investigations. Also include the presence or absence of System Vulnerability Factors for each catchment.

- No catchment investigations were conducted
- The catchment investigation data is attached to the email submission
- The catchment investigation data can be found at the following publicly available website:

*Below, report on the number of catchment investigations completed **during this reporting period.***

Number of catchment investigations completed this reporting period:

*Below, report on the percent of catchments investigated **to date.***

Percent of total catchments investigated:

Optional: Provide any additional information for clarity regarding the catchment investigations below:

In previous years 5 catchment investigation resulted in finding and removing 3 illicit discharges.

IDDE Progress

If illicit discharges were found, please submit a document describing work conducted over this reporting period, and cumulative to date, including location source; description of the discharge; method of discovery; date of discovery; and date of elimination, mitigation, or enforcement OR planned corrective measures and schedule of removal.

- No illicit discharges were found
- The illicit discharge removal report is attached to the email submission
- The illicit discharge removal report can be found at the following publicly available website:

*Below, report on the number of illicit discharges identified and removed, along with the volume of sewage removed **during this reporting period.***

Number of illicit discharges identified:

Number of illicit discharges removed:

Estimated volume of sewage removed: gallons/day

*Below, report on the total number of illicit discharges identified and removed to date. At a minimum, report on the number of illicit discharges identified and removed **since the effective date of the permit (July 1, 2018).***

Total number of illicit discharges identified:

Total number of illicit discharges removed:

Optional: Provide any additional information for clarity regarding illicit discharges identified, removed, or planned to be removed below:

Between July 2018 and June 2021, 3 illicit discharges were found within the City's MS4 system. Two (2) were found through the IDDE program and 1 was found during the replacement of an undersized drain line.

Employee Training

Describe the frequency and type of employee training conducted **during this reporting period:**

The City developed an IDDE training program for its employees during the year 3 reporting period. This program was revised in year 4 with a test at the end to allow our employees with Wastewater Operator's Licenses to receive an hour of training contact time towards required training. The program has been integrated in the ongoing training for operators at the plant. Operators completed this training on April 25, 26 & 27 2023.

MCM4: Construction Site Stormwater Runoff Control

Below, report on the construction site plan reviews, inspections, and enforcement actions completed during this reporting period.

Number of site plan reviews completed:

Number of inspections completed:

Number of enforcement actions taken:

Optional: Enter any additional information relevant to construction site plan reviews, inspections, and enforcement actions:

MCM5: Post-Construction Stormwater Management in New Development and Redevelopment

As-built Drawings

Below, report on the number of as-built drawings received during this reporting period.

Number of as-built drawings received:

Optional: Enter any additional information relevant to the submission of as-built drawings:

As-Built drawings are required for signoff of Occupancy Certificates.

Street Design and Parking Lots Report

Below, describe any changes made or planned to be made to local regulations and guidelines based on the report completed in Year 4:

Our Regulatory review recommended a number of areas where we could consider revising our regulations to better meet the objectives of the MS4 permit. These changes will be considered during our next major regulatory review of our local regulations.

- 1) Consider establishing parking maximums and adjusting current minimum requirements to meet LID recommendations for number of spaces.
- 2) Look into establishing formulas for the utilization of shared parking for uses with different peak demand periods to allow for a reduction of parking requirements if shared parking is proposed.
- 3) Consider establishing sizes for standard and small vehicle spaces.
- 4) Consider allowing LID stormwater management practices to count towards fulfillment of required parking lot landscaped areas. (eg: bioretention areas, filter strips, swales, rain gardens, constructed wetlands, etc.)

Green Infrastructure Report

Below, describe progress towards making green infrastructure practices allowable based on the report completed in Year 4:

Although not codified, the City has encouraged development of green infrastructure through the Site Plan Review process. As a result, developers of industrial & commercial sites have begun to voluntarily incorporate bioretention areas, filter strips, swales & rain gardens in their designs. Furthermore, even residential development projects have begun using rain gardens and swales to mitigate stormwater migration off their lot individual lots.

Retrofit Properties Inventory

Below, list remaining permittee-owned properties that could be modified or retrofitted with BMPs to mitigate impervious areas (must maintain a minimum of 5 sites in inventory until less than 5 sites remain):

- 1) 1831 Bedford St, Municipal Buildings
- 2) Oak Grove Cemetery
- 3) 24 Ponta Delgada Blvd - Parks & Open Space
- 4) 991 Jefferson St - Parks & Open Space
- 5) See below

Below, list all properties that have been modified or retrofitted with BMPs to mitigate impervious area that were inventoried as part of 2.3.6.d of the permit and the type of BMP(s) implemented. Non-MS4 owned properties that have been modified or retrofitted with BMPs to mitigate impervious area may also be listed, but must be indicated as non-MS4.

- 1) Middle Street between S Main & Broadway - Parks & Open Space - Rain garden within the meridian between divided lanes has been a highly visible example of green infrastructure for 4 years now. Our Green crew is responsible for maintaining the rain garden and performs annual maintenance as well as more frequent ongoing maintenance during the summer to clean up trash and invasive weeds.
- 2) Henry Lord School, Amity St, Fall River, MA - Parking lot renovations included an infiltration system to reduce stormwater runoff from the parking lot into the nearby nearby Cook Pond.
- 3) Talbot School, Melrose St, Fall River, MA - Parking lot renovations included an infiltration system to reduce the amount of stormwater runoff from the parking lot to surrounding properties.

MCM6: Good Housekeeping

Catch Basin Cleaning

*Below, report on the number of catch basins inspected and cleaned, along with the total volume of material removed from the catch basins **during this reporting period.***

Number of catch basins inspected:

Number of catch basins cleaned:

Total volume or mass of material removed from all catch basins:

Below, report on the total number of catch basins in the MS4 system.

Total number of catch basins:

If applicable:

Report on the actions taken if a catch basin sump is more than 50% full during two consecutive routine inspections/cleaning events:

If a CB is found to need additional cleaning, it is put on a PM schedule of being cleaned every 6 months.

Street Sweeping

*Report on street sweeping completed **during this reporting period** using one of the three metrics below.*

Number of miles cleaned: 3,308

Volume of material removed: [] [Select Units]

Weight of material removed: [] [Select Units]

Stormwater Pollution Prevention Plan (SWPPP)

*Below, report on the number of site inspections for facilities that require a SWPPP completed **during this reporting period.***

Number of site inspections completed: 0

Describe any corrective actions taken at a facility with a SWPPP:

With the exception of a new Water Maintenance Building, all City owned buildings that would require a SWPPP are within the Combined Sewer System and therefore are not subject to the annual requirements detailed above. A SWPPP will be prepared for the new building in 2025. Any corrective actions found at that time will be scheduled and completed as quickly as possible.

Additional Information

Monitoring or Study Results

Results from any other stormwater or receiving water quality monitoring or studies conducted during the reporting period not otherwise mentioned above, where the data is being used to inform permit compliance or permit effectiveness must be attached.

- Not applicable
- The results from additional reports or studies are attached to the email submission
- The results from additional reports or studies can be found at the following publicly available website(s):

[]

If such monitoring or studies were conducted on your behalf or if monitoring or studies conducted by other entities were reported to you, a brief description of the type of information gathered or received shall be described below:

[]

Additional Information

Enter any additional information relevant to your stormwater management program implementation during the reporting period. Include any BMP modifications made by the MS4 if not already discussed above.

[]

Year 8

Activities Planned for Next Reporting Period

Please confirm that your SWMP has been, or will be, updated to comply with all applicable permit requirements including but not limited to the year 8 requirements summarized below. (Note: impaired waters and TMDL requirements are not listed below)

Yes, I agree

Annual Requirements

- Annual report submitted and available to the public
- Annual opportunity for public participation in review and implementation of SWMP
- Keep records relating to the permit available for 5 years and make available to the public
- Properly store and dispose of catch basin cleanings and street sweepings so they do not discharge to receiving waters
- Annual training to employees involved in IDDE program
- Update inventory of all known locations where SSOs have discharged to the MS4
- Continue public education and outreach program
- Update outfall and interconnection inventory and priority ranking and include data collected in connection with the dry weather screening and other relevant inspections conducted
- Implement IDDE program
- Review site plans of construction sites as part of the construction stormwater runoff control program
- Conduct site inspection of construction sites as necessary
- Inspect and maintain stormwater treatment structures
- Log catch basins cleaned or inspected
- Sweep all curbed streets at least annually
- Continue investigations of catchments associated with Problem Outfalls
- Implemented SWPPPs for all permittee owned or operated maintenance garages, public works yards, transfer stations, and other waste handling facilities
- Review inventory of all permittee owned facilities in the categories of parks and open space, buildings and facilities, and vehicles and equipment; update if necessary
- Review O&M programs for all permittee owned facilities; update if necessary
- Implement all maintenance procedures for permittee owned facilities in accordance with O&M programs
- Implement program for MS4 infrastructure maintenance to reduce the discharge of pollutants
- Enclose all road salt storage piles or facilities and implemented winter road maintenance procedures to minimize the use of road salt
- Review as-built drawings for new and redevelopment to ensure compliance with post construction bylaws, regulations, or regulatory mechanism consistent with permit requirements
- Inspect all permittee owned treatment structures (excluding catch basins)

- Identify additional permittee-owned properties that could potentially be modified or retrofitted with BMPs to reduce impervious areas so that the permittee maintains a minimum of 5 sites in their inventory, until such a time when the permittee has less than 5 sites remaining

Provide any additional details on activities planned for permit year 8 below:

Part V: Certification of Small MS4 Annual Report 2025

40 CFR 144.32(d) 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.

Name: Paul J Ferland

Title: Admin of CU

Signature: 

Date: 7-29-15

[Signatory may be a duly authorized representative]