

ATTACHMENT O

City of Auburn Hills Storm Pollution Prevention and Good Housekeeping Program		
Municipal Facility and Structural Storm Water Control Inventory		
Questions		Procedures
62.	Provide the procedures for updating and revising the inventory in question 60 for the potential to discharge pollutants to surface waters of the state	The City is currently updating the storm and sanitary layer in its ArcMap GIS system. The current update should be completed in 2016. Updating/revising the inventory map (GIS) will occur approximately 30 days following adding/removing a facility or structural storm water control owned by the City.
Facility-Specific Storm Water Management		
Questions		Procedures
63.	Provide the procedures for assessing each facility identified in Question 60 for the potential to discharge pollutants to surface waters of the state	<p><u>Facilities</u> Please see Attachment L and M (City of Auburn Hills PIPP).</p> <p><u>Catch Basins</u> Street and parking lot: Cleaned and inspected once every three years. DPW yard: Cleaned and inspected once per year.</p> <p><u>Detention Basins</u> Detention basins are inspected annually using the checklist contained in the City's Detention Basin Maintenance Manual.</p> <p><u>Secondary Containment</u> Please see Attachment H (City of Auburn Hills PIPP).</p> <p><u>Vegetated Swales</u> Cleaned and inspected once per year.</p> <p><u>Infiltration Basins and Trenches</u> Inspected once per year.</p> <p><u>Rain Gardens</u> Cleaned and inspected twice per year.</p> <p><u>Underground Storage Vaults or Tanks (Detention)</u> Inspected once per year and cleaned as needed with a minimum cleaning of once every three years.</p> <p><u>Planter Boxes</u> Cleaned and inspected once per year.</p> <p><u>Cisterns</u> Cleaned and inspected once per year.</p> <p>Updating/revising the assessment approximately 30 days prior to discharging storm water from the new facility and within 30 days of determining a need to update/revise the facility assessment.</p>

City of Auburn Hills Storm Pollution Prevention and Good Housekeeping Program		
Facility-Specific Storm Water Management – Continued		
Questions		Procedures
65.	Is a site-specific standard operation procedure available identifying the structural and non-structural storm water controls implemented and maintained to prevent or reduce pollutant runoff at each facility with the high potential for pollutant runoff?	<p><u>Department of Public Works Facilities – High</u> Please see Attachment L and M (City of Auburn Hills PIPP)</p> <p>Good housekeeping practices include keeping the facility neat and orderly, properly storing and covering materials, and minimizing pollutant sources to prevent or reduce pollutant runoff.</p>
66.	Provide the reference in the SOP, for facility with the high potential for pollutant runoff.	<p><u>Department of Public Works Facilities – High</u> Please see Attachment L and M (City of Auburn Hills PIPP) The facility is inspected a minimum twice per year.</p>
67.	Provide the reference in the SOP, for each facility with the high potential for pollutant runoff, identifying the good housekeeping practices implemented at the site.	<p><u>Department of Public Works Facilities – High</u> Please see Attachment L and M (City of Auburn Hills PIPP) Good housekeeping practices include keeping the facility neat and orderly, properly storing and covering materials, and minimizing pollutant sources to prevent or reduce pollutant runoff.</p>
68.	Provide the reference in the SOP, for each facility with a high potential for pollution runoff, to the description and schedule for conducting routine maintenance and inspections of storm water management and control devices to ensure materials and equipment are clean and orderly and to prevent or reduce pollutant runoff.	<p><u>Department of Public Works Facilities – High</u> Please see Attachment L and M (City of Auburn Hills PIPP) The facility is inspected a once per month. A more comprehensive site inspection is conducted once every six months.</p>
69.	Provide the reference in the SOP, for each facility with the high potential for pollutant runoff, to the description and schedule for conducting a comprehensive site inspection at least once every six months.	<p><u>Department of Public Works Facilities – High</u> Please see Attachment L and M (City of Auburn Hills PIPP)</p>
70.	Provide the procedure identifying the BMPs currently implemented or to be implemented during the permit cycle to prevent or reduce pollutant runoff at each facility with the medium and lower potential for the discharge of pollutants to surface waters of the state using the assessment and prioritized list in Questions 63 and 64.	<p>Best Management Practices utilized at Medium and Low rated facilities such as Civic Center, Fire Station 1 and 3, City Parks, City Parking Lots, and City Detention Ponds include but are not limited to: Parking Lot Sweeping, catch basin cleaning, use of earth friendly fertilizers, proper use of herbicides and pesticides according to industry standards, prevention of grass clipping from entering the storm drain system, proper use of deicers in parking lots, calibration of deicer spreaders. Please see attachment L and M.</p>

City of Auburn Hills Storm Pollution Prevention and Good Housekeeping Program		
Structural Storm Water Control Operation and Maintenance Activities		
Questions		Procedures
71.	Provide the procedures for prioritizing each catch basin for routine inspection, maintenance, and cleaning based on preventing or reducing pollutant runoff.	The City does not prioritize catch basins for cleaning. All City owned catch basins are cleaned and inspected once every three years (north, central and south). The City give high priority to the inspection and cleaning of its five vortex chambers and catch basins at DPW which is conducted once per year. Please see Exhibit A at the end of this document.
72.	Provide the geographic location of the catch basin in each priority level using either a narrative description or map.	The City's catch basins at the DPW Facility (1500 Brown Road) are a high priority and are inspected and cleaned once per year. All other catch basins are cleaned once every three years. Please see Exhibit A at the end of this document.
73.	Provide the procedure for inspecting, cleaning, and maintaining catch basins to ensure proper performance.	<p>The City has in place a Storm Sewer Cleaning and Inspection Program in place. The program in place results in the complete cleaning of the City's system over a three year period (DPW Facility once per year). The program in place includes removal of debris from catch basin sumps at City-owned and City-operated facilities to minimize the amount of debris in the system, thus reducing the amount and potential of debris entering the waterways. The program includes visual inspection for signs proper performance, deterioration of the structure, and any illicit discharges or illicit sanitary connections to the storm sewer system. The inspections are documented and recorded. The catch basins are cleaned with a vactor truck.</p> <p>Measureable Goal: Number of catch basins cleaned and inspected and amount of material collected and disposed of.</p>
74.	Provide the procedure for dewatering, storage, and disposal of materials extracted from catch basins.	Materials collected from catch basin cleaning program are deposited in the DPW dewatering structure that is connected to the sanitary sewer system. Once materials are "dewatered" the materials are then transported to a Type 2 landfill for proper disposal.
75.	Provide the procedure for inspecting and maintaining the structural storm water controls identified in Question 60, excluding the structural storm water controls included in an SOP as part of Question 6 and catch basins	<p><u>Vortex Chambers</u></p> <p>Inspected and cleaned a minimum of once per year. Materials collected from catch basin cleaning program are deposited in the DPW dewatering structure that is connected to the sanitary sewer system. Once materials are "dewatered" the materials are then transported to a Type 2 landfill for proper disposal. The procedures will be updated/revised 30 days following the implementing of a new structural storm water control.</p>
76.	Provide the procedure requiring new applicant-owned or operated facilities or new structural storm water controls for water quality be designed and implemented in accordance with the post-construction storm water runoff control performance standards and long-term operation and maintenance requirements.	New applicant-owned or operated facilities or new structural storm water controls for water quality are designed and implemented in accordance with the City's post-construction storm water runoff control performance standards and operated and maintained according to industry standards.

City of Auburn Hills Storm Pollution Prevention and Good Housekeeping Program	
Municipal Operations and Maintenance Activities	
Questions	Procedures
77. Provide the procedure with the assessment of the applicant's operation and maintenance activities for the potential to discharge pollutants to surface waters of the state.	<p><u>Road, parking lot and sidewalk maintenance</u> Maintenance procedures for city roads, parking lots include catch basin cleaning and street sweeping. Appropriate silt fabric is installed in catch basin covers during major construction and the cleaning of catch basins after the constructions is completed. Areas around sidewalks repairs are cleaned of debris following the completion of the project. Potential pollutants include dirt, dust, and trash.</p> <p><u>Bridge maintenance</u> Maintenance for road bridges includes street sweeping. Major bridge repair is contracted out by the City. Contracts include language for the implementation of appropriate BMPs for water quality protection. BMPs may include installation of silt fabric in nearby catch basin covers during repairs and the cleaning of catch basins after the repairs are completed. Potential pollutants include dirt, dust, and trash.</p> <p><u>Right-of-way maintenance</u> Maintenance procedures for city ROW are performed in accordance with appropriate BMPs for water quality protection. BMPs include the installation of fabric near stormwater control inlets and the revegetation of any bare soils. Potential pollutants include dirt, dust, and trash.</p> <p><u>Unpaved road maintenance</u> The City's one unpaved road is graded on an as needed basis. Said road does not contain any storm water conveyances or structures.</p> <p><u>Cold weather operations</u> The City calibrates the salt spreaders each year before the winter season to assure proper application rates. The City at time also utilized beet juice to help reduce the amount of salt applied to roads.</p> <p><u>Vehicle washing and maintenance of applicant-owned vehicles</u> Appropriate city vehicles are washed at two of the private city car washes. Lager vehicles are washed in the DPW wash bay located inside the DPW garage.</p> <p>All city vehicles are maintained by the City's fleet department according to the owner's manual guidelines. All vehicles are checked for leaks while up on the hoist. Vehicle fluids are either recycled or disposed of according to appropriate industry standards.</p> <p>Updates/revisions the assessment shall take place 30 days following adding/removing BMPs to address new and existing operations and maintenance activities.</p>

City of Auburn Hills Storm Pollution Prevention and Good Housekeeping Program		
Municipal Operations and Maintenance Activities – Continued		
Questions		Procedures
78.	Provide the procedure for prioritizing applicant-owned or operated streets, parking lots, and other impervious infrastructure for street sweeping based on the potential to discharge pollutants to surface waters of the state.	<p>Major City owned streets with curb and gutter are considered a high priority since they are more heavily traveled and are swept a minimum of two times per year, with additional sweeps as needed.</p> <p>Subdivisions streets with curb and gutter are considered low priority and are swept a minimum of one time per year, with additional sweeps as needed.</p> <p>Parking lots are considered a low priority and are swept a minimum of one time per year, with additional sweeps as needed.</p> <p>Updates/revisions the assessment shall take place 30 days following the construction of a new street, parking lot, or other impervious surface or within 30 days of identifying a need to revise priority level</p>
79.	Provide the geographic location of the streets, parking lots, and other impervious surfaces in each priority level using either a narrative description or map	<p>A map of City streets can be found in Attachment O.</p> <p>High Priority Major Roads: - Great Lakes Crossing, Harmon Road, Giddings Road Taylor Road (where curbing exist), N. Squirrel Road (where curbing exist), University, Five Points, Cross Creek, High Meadow, Shimmons (where curbing exist), Dexter (north of Walton where curbing exist), Featherstone, Executive Hills, Hamlin Road, Doris Road, S. Squirrel Court, Auburn Road (where curbing exist), and Squirrel Court.</p> <p>Low Priority: Subdivision Streets</p> <p>Civic Center Campus - 1827 N. Squirrel Road</p> <p>-City Hall , Police Station, Library, Community Center, Old Community Center, and Baseball Diamond Park, Multi Sports Field</p> <p>Department of Public Works – 1500 Brown Road</p> <p>Police Station - 1899 N. Squirrel Road</p> <p>Fire Station 2 – 1899 N. Squirrel Road</p> <p>Fire Station 1 – 3483 Auburn Road</p> <p>Fire Station 3 – 3253 Joslyn Road</p> <p>Downtown Educational Nook – 3388 Auburn Road</p> <p>University Center - 3350 Auburn Road</p> <p>Downtown Parking Structure – 3381 Primary Street</p> <p>Downtown Parking Lot - 3300 Auburn Road</p> <p>Downtown Parking Lot – Primary Street east of S. Squirrel</p> <p>Downtown Parking Lot – 25 S. Grey Road</p> <p>Riverside Park - 3311 Squirrel Court</p> <p>River Woods Park – 300 River Woods Drive</p> <p>Manitoba Park – 4220 Manitoba Road</p> <p>Dennis Dearing Jr. Memorial Park – 2058 Phillips Road</p> <p>Skate Park – 202 N. Squirrel Road</p> <p>Hawk Woods Nature Center – 3799 Bald Mountain Road</p> <p>Fieldstone Golf Club – 1984 Taylor Road</p> <p>Aaron Webster Cemetery - 150 South Squirrel Road</p>

City of Auburn Hills Storm Pollution Prevention and Good Housekeeping Program		
Municipal Operations and Maintenance Activities – Continued		
Questions		Procedures
80.	Provide the procedure identifying the sweeping methods based on the applicant's sweeping equipment and use of additional resources in sweeping seasonal leaves or pick-up of other materials.	<p>Major streets with curb and gutter are swept a minimum of two times per year, with additional sweeps as needed.</p> <p>Subdivisions streets with curb and gutter are swept a minimum of one time per year, with additional sweeps as needed.</p> <p>Parking lots are swept a minimum of one time per year, with additional sweeps as needed. The parking lot at DPW Facility (1500 Brown Road) is swept more frequently on an as needed basis.</p> <p>All Streets and parking lots are swept using a street sweeper designed for such use.</p> <p>Measurable Goal: Mile of curb-line cleaned and amount of material collected and disposed of.</p>
81.	Provide the procedure for dewatering, storage, and disposal of street sweeper waste material.	<p>Materials collected from catch basin cleaning and street sweeping program are deposited in the DPW dewatering structure that is connected to the sanitary sewer system. Once materials are "dewatered" the materials are then transported to a Type 2 landfill for proper disposal.</p>
Managing Vegetated Properties		
Questions		Procedures
82.	Provide the procedure requiring the applicant's pesticide applicator to be certified by the State of Michigan as an applicator in the applicable category, to prevent or reduce pollutant runoff from vegetated land.	<p>The City requires staff and contractors involved in applying pesticides are required to be certified by the State of Michigan as an applicator in the applicable category.</p>
Contractor Requirements and Oversight		
Questions		Procedures
83.	Provide the procedure requiring contractors hired by the applicant to perform municipal operation and maintenance activities comply with all pollution prevention and good housekeeping BMPs as appropriate.	<p>Language is provided within appropriate contracts with companies that perform municipal operations and maintenance activities that may impact water quality to comply with all pollution prevention and good housekeeping BMPs as appropriate. Contractors work is periodically inspected to assure compliance.</p>
Employee Training		
Questions		Procedures
84.	Provide the employee training program to train employees involved in implementing or overseeing the pollution prevention and good housekeeping program.	<p>DPW staff shall be trained once during the permit cycle and within the first year of hire for new staff.</p> <p>Measurable Goal: Number of employees having received training.</p>

ATTACHMENT O - EXHIBIT A

