

SWPPI PROGRESS REPORT
FORT GRATIOT TOWNSHIP
October 1, 2009 - September 30, 2011

Permit Requirement	Responsible Party(s)		Best Management Practice	Schedule	2010 Reporting	2011 REPORTING	Met Benchmark?
	Fort Gratiot Twp.	SCC			(Oct. 1, 2009 - September 30, 2010)	(Oct 1, 2010 - Sept 30, 2011)	
TMDLs	N/A		No Ecoli or Phosphorous TMDLs were developed in the NEW at the time of permit application.	N/A	N/A	N/A	N/A
Public Participation Plan	√	√	<u>Watershed Meetings</u> : Participate in watershed advisory group and subcommittee meetings	6 NEW WAG mtgs/ yr.	Fort Gratiot's consultant attended 5 of 6 WAG mtgs (83%) and 0 subcomm. mtgs.	F. Gratiot's consultant attended 6 out of 6 NEWAG meetings. The clerk and DPW staff also attended the Mar meeting.	√
	√	√	<u>Board Presentations</u> : Provide a presentation to elected officials and/or planning commission	1 presentation/yr.	The SCCHD presented to the city council on 8.4.10. The Supervisor and 5 board members were present.	Presentation was not provided; Limited resources focused on revising the PEP, IDEP and SWPPIs because of the 2008 draft permit withdraw. A presentation will be provided to the board and/or staff by watershed rep in early 2012	1 of 2 presentations.
	√	√	<u>Newsletters</u> : Send Blue Watershed News to stakeholders via email or post mail.	2 editions /yr.	See Blue Watershed newsletter, p. 2	See Blue Watershed newsletter, p. 2	√
	√	√	<u>Website</u> : Maintain www.stclaircountystormwater.org with current watershed information and contact info, and provide links from municipal and educational institution websites.	Post by 2011	Will add SCC storm water website link to website in 2011.	Request submitted to Kristy Jones, Community Relations, on 09/26/2011	Link to website
				Update 4xs/yr.	There were 5,613 hits to the county stormwater website	See Website, under Public Education Activities, p. 2	√
	√	√	<u>Northeastern Watersheds Memo</u> : Develop a Watershed Memo and distribute to municipal and school officials	1 memo /yr.	The WAG developed a memo and it was distributed to the Fort Gratiot's governing board, and planning comm. chair.	Annual memo not provided. Limited resources focused on revising the PEP, IDEP and SWPPIs because of 2008 draft permit withdraw. Members decided the memo was repetitive of info provided in the Blue watershed newsletter and its sent to the same elected officials they're targeting with the memo. They revised the 2011 PPP to not include an annual memo anymore; only the blue watershed news.	1 of 2 memos.
	√	√	<u>Focus Group Meetings</u> : Participate in NEW focus group mtgs	2 focus group mtgs. 2012	No actions	No actions. Revised PPP does not have focus group meetings or questionnaire because revision of the WMP is no longer required until a new permit is developed.	Not in 2011 Revised SWPPI
√	√	<u>Questionnaire</u> : Develop and distribute questionnaire for revising the NEW WMP.	1 questionnaire 2012	No actions			

SWPPI PROGRESS REPORT
FORT GRATIOT TOWNSHIP
October 1, 2009 - September 30, 2011

Permit Requirement	Responsible Party(s)		Activity & Delivery Mechanism	Key Messages (Appendix B)	Target Audience	Schedule	2010 Reporting	2011 REPORTING	Met Benchmark?
	Fort Gratiot Twp.	SCC					(Oct. 1, 2009 - September 30, 2010)	(Oct 1, 2010 - Sept 30, 2011)	
Public Education Plan	√	√	<u>Educational Materials</u> : Distribute various materials via community events and lobby displays i.e. brochures, magnets, stickers & posters.	1, 2, 3, 4, 5, 6, 7, 8	Residents, visitors, public employees, businesses, students, industries, construction contractors, developers	30 pieces of material/ yr.	~ 39 brochures distributed from the Township lobby.	30+ piece were distributed.	√
	√	√	<u>Water Quality Displays</u> : Provide water-quality themed displays at public events and/or facilities upon request.						1x/ 5 yrs.
	√	√	<u>Newsletters</u> : Distribute information/ notices about watershed education and activities via newsletters.	1, 2, 3, 4, 5, 6, 7, 8	Teachers, elected officials, residents, consultants, visitors, public employees	1 newsletter/ yr.	No messages in township newsletter in 2010 but will provide info on SCCDO projects in 2011. Should post pollution prevention messages. Email SCCHD for template messages.	One (1) newsletter with a storm water message was sent out to all Fort Gratiot residents.	√ newsletter
	√	√				2 editions / yr.		1 edition (Fall 2011) of the Blue Watershed News was sent out across the county including to City council members, teachers, and residents who have signed up to receive the newsletter.	√
	√	√	<u>Watershed Road Signs</u> : Install and maintain watershed road signs.	1	All audiences	2 new signs by 2013	No new watershed signs installed.	Coordinated Eagle Scout to label Storm Drains at Shorewood Subdivision, Blue and White 3" round label: "NO DUMPING - DRAINS TO LAKE". Investigating placement of road signs at a Gossman Drain crossing.	Purchase 2 road signs in 2012
	√	√	<u>Mass Media Outreach</u> : Radio, TV stations, video, websites or press releases	1, 2, 3, 4, 7, 8	Residents, visitors, public employees, businesses, industries, teachers	5 contacts with media/ year	Times Herald newspaper articles 2/3/10, 2/23/10, 3/14/10, 4/17/10, 5/17/09, 6/13/10, and 8/19/10; Blue Water Beat 4/10; WPHM radio 4/15/10, WGRT radio 6/1/10	Times Herald newspaper articles 6/12/11, 9/22/11, 6/22/11; The Voice newspaper articles 11/30/10, 4/27/11, 7/3/11; WDET 3/22/11, 4/1/11; WNFA 3/22/11; Channel 12 TV 3/31/11, 4/1/11, 9/15/11; About Town Mag 3/21/11	√

SWPPI PROGRESS REPORT
FORT GRATIOT TOWNSHIP
October 1, 2009 - September 30, 2011

Permit Requirement	Responsible Party(s)		Activity & Delivery Mechanism	Key Messages (Appendix B)	Target Audience	Schedule	2010 Reporting	2011 REPORTING	Met Benchmark?
	Fort Gratiot Twp.	SCC					(Oct. 1, 2009 - September 30, 2010)	(Oct 1, 2010 - Sept 30, 2011)	
Public Education Plan	√	√	<u>Website</u> : Maintain access to updated education information via SCC's and municipality's website.	1, 2, 3, 4, 5, 6, 7, 8	Schools, students, teachers, residents, visitors, public employees, businesses, industries, construction contractors, developers	2011	No activities	Request submitted to Kristy Jones, Community Relations, on 09/26/2011	website link
	√	√	<u>Water Quality Hotline</u> : Promote and maintain a 24-hour anonymous tip line for reporting pollution problems	3		Updates 4xs /yr.	There were 5,613 hits to the county stormwater website	There were 11,911 hits to the website.	√
	√	√	<u>Water Quality Hotline</u> : Promote and maintain a 24-hour anonymous tip line for reporting pollution problems	3		report #s annually	20 messages retrieved via county hotline re: water quality concerns and septic complaints.	40 messages were retrieved from the hotline; 20 sewage related and 20 beach related.	√
	√	√	<u>Water quality presentations</u> : Provide presentations to a wide array of community audiences	1, 2, 4, 5, 6, 7, 8		Distribute 20 magnets/yr.	Approximately 20 magnets were distributed from the twp lobby.	20 magnets were distributed from the lobby.	√
	√	√	<u>Water quality presentations</u> : Provide presentations to a wide array of community audiences	1, 2, 4, 5, 6, 7, 8		2 presentation s/ yr.	Pollution Solution presentations given to Fort Gratiot Middle School (5/6/10) to 240 students and Port Huron Northern HS (10/22/10) to 25 students.	10 presentations were given to 270 people across the county re: water quality, pollution prevention and LID mgt techniques. Pollution Solutions presentations given at Keewadin Elementary School (1//0/11) to 66 students.	√
√	√	<u>Public Events</u> : Participate and/or promote county-wide events (i.e. Earth Fair, River Day, Native Plant Sale, Stream Leaders, HHW Waste Collection Day, Adopt-A-Road, Adopt-A-Stream)	1, 2, 3, 4, 5, 6, 7, 8	Residents, visitors, youth clubs, teachers, businesses, industries, volunteer groups	Promote and/or participate in county-wide Public Events.	Posters and fliers placed in Fort Gratiot Twp's lobby.	River Day, Earth Fair and Stream Leader fliers were distributed from the Township Office.	√	

SWPPI PROGRESS REPORT
FORT GRATIOT TOWNSHIP
October 1, 2009 - September 30, 2011

Permit Requirement	Responsible Party(s)		Best Management Practice	Schedule	2010 Reporting	2011 REPORTING	Met Benchmark?
	Fort Gratiot Twp.	SCC			(Oct. 1, 2009 - September 30, 2010)	(Oct 1, 2010 - Sept 30, 2011)	
Illicit Discharge Elimination Program	√	√	<u>Regulatory Mechanism</u> : Provide internal policy to prohibit illicit discharges in municipal MS4. A spreadsheet will be used for tracking screening results and follow up actions. Enforcement is unnecessary for Fort Gratiot Twp's MS4 which only drains municipal properties.	09/01/2011	2011	No action needed. Revised SWPPI proposes that a municipality which owns only MS4 on its own property does not need a regulatory method.	N/A
	Complete	√	<u>Map of Discharges</u> : Complete. Map of MS4 discharge points and the names and locations of surface waters receiving these discharges is included in SCC's IDEP of which Fort Gratiot Twp. is a partner.	2010	Complete	Complete, Map will be reviewed and revised in 2012 when discharge points are screened.	√
	√	√	<u>Screening</u> : Screening and prioritization is defined in SCC's IDEP of which Fort Gratiot Twp. is a partner. Each discharge point will be screened 1x by 2013.	1x / discharge point by 2013	2011	Screening is planned for 2012.	Screening
	√	√	<u>Notify Partners (w/i 1 month)</u> : Notify the SCCHD when illicit discharges are detected during screening.	As illicit discharges are detected	2011 if needed	No problems to report. Revised SWPPI does not include this action.	Not in 2011 Revised SWPPI
	√		<u>Confirm Source</u> : Locate/ confirm source of illicit discharges detected during screening through additional sampling, dye testing, video, and/or smoke testing.	within 13 months of detection.	2011 if needed	follow up source confirmation will be initiated if screening results show potential problems.	√
	N/A		<u>Procedure for Elimination</u> : Procedures are unnecessary with such a small MS4 that only drains municipal properties. The regulatory mechanism will state that all illicit discharges found within the municipality's MS4 will be corrected.	N/A	N/A	NO procedure for elimination needed when municipality controls all upstream sources that would enter their MS4.	N/A

SWPPI PROGRESS REPORT
 FORT GRATIOT TOWNSHIP
 October 1, 2009 - September 30, 2011

Permit Requirement	Responsible Party(s)		Best Management Practice	Schedule	2010 Reporting	2011 REPORTING	Met Benchmark?
	Fort Gratiot Twp.	SCC			(Oct. 1, 2009 - September 30, 2010)	(Oct 1, 2010 - Sept 30, 2011)	
IDEP	√		<u>Correct illicit discharges</u>	As illicit discharges are found	Disconnected floor drain from Fort Gratiot's Fire Station to newly installed oil/water separator and OSDS system for grey water.	No activities. An oil/ water separator and septic system for grey water will be installed at the DPW in 2012.	Install OSDS at DPW
	√		<u>IDEP Training</u> : Develop program to train staff involved in IDEP or field staff with potential for witnessing illicit discharges	1x/5 yrs; new employees 1st yr.	2011	2 employees attended Mar 2011 SEMCOG/ SCCHD Municipal Trailing workshop which included IDEP training topics.	√
Post Construction Controls	√		<u>Post Construction Storm Water Policy</u> : Regulatory method that requires the following of applicable developments and redevelopments: 1) A minimum treatment volume standard; 2) a channel protection criteria; 3) Operation and maintenance requirements; 4) site plans which incorporate these requirements, as applicable to new and redevelopment projects applicable under this permit.	09/01/2011	Fort Gratiot has its own engineering standards by ordinance in place since the 1990s.	No changes to Fort Gratiot's engineering standards for post construction.	√ COMPLETE
	√		<u>BMP Tracking</u> : The maintenance of all structural and vegetative BMPs, installed after the Post Construction Policy is approved, will be tracked and enforced. Currently Fort Gratiot does not have a post construction policy and thus does not have any BMPs to track.	09/01/11; As appropriate for BMP	No knowledge of BMPs to track.	No actions. Revised SWPPI eliminates this task.	Not in 2011 Revised SWPPI

SWPPI PROGRESS REPORT
FORT GRATIOT TOWNSHIP
October 1, 2009 - September 30, 2011

Permit Requirement	Responsible Party(s)		Best Management Practice	Schedule	2010 Reporting	2011 REPORTING	Met Benchmark?
	Fort Gratiot Twp.	SCC			(Oct. 1, 2009 - September 30, 2010)	(Oct 1, 2010 - Sept 30, 2011)	
Construction Controls	√	√	<u>Notification Procedure</u> : Develop procedure to receive and consider complaints from the public regarding sediment or other pollutants being discharged from construction activity in violation of Part 91 and notify the SCCHD and DNRE as appropriate.	Procedure by 9/1/2011	2011	No actions. Revised SWPPI eliminates this task.	Not in 2011 Revised SWPPI
	√		<u>Site Plan Review</u> : The SESC permit is part of the site plan review..	Procedure by 9/1/2011	Ordinance requires new developments to obtain SESC permit from SCCHD. 1 site plan was reviewed but no permits pulled because project didn't go through.	Ordinance requires new developments to obtain SESC permit from SCCHD. 2 site plans were reviewed for commercial development.	√ COMPLETE
	N/A	√	<u>Implement SESC Program</u> : The SCCHD implements the SESC program to meet requirements of Part 91 on behalf of the municipality. The SCCHD maintains record of the # of permits/year and the last SESC audit and pass/ fail status.	N/A	184 SESC permits issued in SCC and only 1 was in Fort Gratiot.	Please see the SCCHD progress report for the # of SESC permits issued and the most recent audit status.	N/A
P2 & Good Housekeeping	Employee /Contractor Training						
	√		<u>Employee Training</u> : Conduct training for staff associated with potential storm water pollutant sources on the following topics as applicable: 1) park and open space maintenance; 2) fleet and building maintenance; 3) New construction and land disturbances, 4) storm water system maintenance; and 5) any other storm water pollution prevention topics such as salting and spill response.	1x/ 5yrs.; new employees 1x/ 1st yr.	Plan to attend training being planned for next year.	2 Township staff attended the April 2011 training workshop sponsored by SEMCOG and the SCCHD. This workshop covered all of the topics listed for this action.	√
	√		<u>Contractor Training</u> : Develop specifications that require training of contractors on topics 1) - 5) mentioned above as applicable to project.	9/1/2011	specifications that require minimum level of storm water training/ knowledge for related contract tasks.	No actions. Revised SWPPI replaces this task with an activity that requires municipalities to provide information packets to contractors regarding storm water requirements applicable to their work.	2012 - contractor training

SWPPI PROGRESS REPORT
 FORT GRATIOT TOWNSHIP
 October 1, 2009 - September 30, 2011

Permit Requirement	Responsible Party(s)		Best Management Practice	Schedule	2010 Reporting	2011 REPORTING	Met Benchmark?
	Fort Gratiot Twp.	SCC			(Oct. 1, 2009 - September 30, 2010)	(Oct 1, 2010 - Sept 30, 2011)	
P2 & Good Housekeeping	Structural Storm Water Control Effectiveness						
	√		<u>Structural SW Control Summary</u> : A summary of all municipal properties and structural storm water controls owned or operated, and maintained by the permittee.	2010	SW Structural Control Summary completed and provided as part of 2010 SWPPI.	NO actions. Revised SWPPI eliminates these tasks.	N/A. Revised SWPPI eliminates these tasks.
	√		<u>Structural Storm Water Maintenance</u> : A schedule of inspections of municipal owned and/or operated structural storm water controls.	2010	SW Structural Control Summary includes inspection schedule; Appendix C.		
	√		<u>Update Summary</u> : update summary of municipal property MS4 and structural storm water controls as necessary.	9/1/2011 and 9/1/2013	Reviewed for accurateness and updates before annual reporting		
	√		<u>TSS Load Reduction Calculation</u> : Calculate load reductions for all impervious surfaces	9/1/2011 and 9/1/2013	2011		
	√		<u>Disposal Procedure</u> : Develop procedures to dispose of operation and maintenance waste in accordance with Part 111, Part 115 and Part 121.	09/01/2011	2011	F. Gratiot has updated many of its disposal procedures as a result of developing the SWPPP. Disposal procedures will be the focus of a 2012 training by SEMCOG and SCCHD.	Attend disposal training in 2012.
	Roadway, Parking Lots and Bridges						
	N/A	√	<u>Inspect and Clean Street Catch Basins</u> : SCCRC maintains all primary, secondary and state road catch basins.	N/A	N/A	N/A	N/A
	√		<u>Inspect and Clean Parking Lot Catch Basins</u>	Inspect parking lot cb's 1x/yr.; clean as needed	Catch basins are inspected and cleaned 2xs/ year.		√

SWPPI PROGRESS REPORT
FORT GRATIOT TOWNSHIP
October 1, 2009 - September 30, 2011

Permit Requirement	Responsible Party(s)		Best Management Practice	Schedule	2010 Reporting	2011 REPORTING	Met Benchmark?
	Fort Gratiot Twp.	SCC			(Oct. 1, 2009 - September 30, 2010)	(Oct 1, 2010 - Sept 30, 2011)	
Pollution Prevention (P2) & Good Housekeeping	Roadway, Parking Lots and Bridges continued						
	N/A	√	<u>Sweep Streets</u> : The SCCRC sweeps all local, county, state roads w/i municipality; will report street sweeping in its progress reports.	N/A	N/A	N/A	N/A
	√		<u>Sweep Parking Lots</u> : Sweep parking lots and access drives within jurisdiction	Inspect annually; sweep as needed	No sweeping is done by Fort Gratiot Township.		sweeping
	√		<u>Snow Removal and Disposal</u> : These BMPs will be implemented in municipal parking and access roads: 1) Pile snow on grassy areas; not over catch basins or near waterways; 2) Remove sediment and debris from site after spring thaw and reseed as necessary.	Annually	All snow BMPs were followed in 2010	All snow BMPs were followed in 2011	√
	N/A	√	<u>Stabilize Erosion (Road ROW)</u> : The SCCRC stabilizes erosion along roads and bridges within the ROW.	N/A	N/A	N/A	N/A
	√	√	<u>Stabilize Erosion (open waterways/ drains)</u> : Work with SCC to stabilize banks of open drains or waters of the state within jurisdiction.	As need & funding dictate	The Twp did not perform stabilization but the SCCDO did as part of their operations and maintenance.	The Twp did not perform stabilization but the SCCDO did as part of their operations and maintenance.	√
	√		<u>Salt and Sand Storage/ Application</u> : Salt and salt/sand mixtures are stored in a covered facility and employees receive salting application education.	Ongoing	All salt is in 50 lb bags on pallets stored indoors at the DPW. Monthly inspection began in 2010 as part of SWPPP.	No changes to 2010 activities.	√
	N/A	√	<u>Dust Control BMPS</u> : The SCCRC applies liquid calcium chloride to control dust and suspended solids in runoff from unpaved roads within municipality. The SCCRC will report on applications in SCC reports.	N/A	N/A	N/A	N/A

SWPPI PROGRESS REPORT
FORT GRATIOT TOWNSHIP
October 1, 2009 - September 30, 2011

Permit Requirement	Responsible Party(s)		Best Management Practice	Schedule	2010 Reporting	2011 REPORTING	Met Benchmark?	
	Fort Gratiot Twp.	SCC			(Oct. 1, 2009 - September 30, 2010)	(Oct 1, 2010 - Sept 30, 2011)		
P2 & Good Housekeeping	√		<u>Cole Tar Emulsions</u> : Develop policy to not use coal tar emulsions for sealing asphalt surfaces	09/01/2011	DNRE said it will not enforce this permit requirement. Waiting for DNRE to provide guidance on alternatives.	Revised SWPPI removed this task	N/A	
	Fleet Maintenance and Storage Yards							
	√		<u>Storm Water Pollution Prevention Plan (SWPPP)</u> : Develop a SWPPP/PIPP for municipal fleet maintenance and storage yards.	2010	The SWPPP for the Fort Gratiot DPW was completed with SEMCOG's assistance and was sent into the DEQ	Complete.	Complete	
	√		<u>Certified Storm Water Operator</u> : The manager who oversees the fleet maintenance and storage yard(s) will be certified as a Storm Water Operator.	2011; renewal/ 5 yrs.	Eric Ostling, consultant for Fort Gratiot, Industrial # I-09884 Exp.7/1/2014. Should have someone on site certified.	Robert Crawford, Clerk and Storm Water Coordinator for Fort Gratiot, received his certification this past year. Certification # 11356, exp. 2016	√	
	√		<u>SWPPP Inspections and Activities</u> : Maintain a log of all inspections, BMPs and training activities, and annual review and/or revisions	As identified in the SWPPP	Inspections will begin as part of SWPPP developed in 2010. All staff read over the SWPPP.	Inspections been done and logged.	√	
	√		<u>Fleet Maintenance Activities</u> : Maintain vehicles and equipment for clean and effective operation to prevent impacts on storm water quality.	ongoing	Records kept on site.	Records kept on site.	√	
	√		<u>Fleet and Equipment Washing</u> : Wash vehicles and equipment at facilities where runoff is treated.	Install 2 OSDS for grey water by 2011	Installed one oil water separator and septic system for grey water at the Fire Hall last year (8/2010).	The oil water separator for the fire hall was inspected and didn't need cleaning. The OSDS is pumped out annually. An oil/ water separator and septic system for grey water will be installed at the DPW in 2012.	DPW's OSDS	
	√		<u>Refuse BMPs</u> : Inspect dumpster(s) for leaks and clean up loose refuse found around dumpsters.	Monthly	Dumpster will be inspected 1x/month as part of SWPPP.	Dumpsters inspected as part of the SWPPP. Revised SWPPI removed this task	√ Revised SWPPI eliminates this task	

SWPPI PROGRESS REPORT
FORT GRATIOT TOWNSHIP
October 1, 2009 - September 30, 2011

Permit Requirement	Responsible Party(s)	Best Management Practice	Schedule	2010 Reporting	2011 REPORTING	Met Benchmark?	
	Fort Gratiot Twp.			(Oct. 1, 2009 - September 30, 2010)	(Oct 1, 2010 - Sept 30, 2011)		
P2 & Good Housekeeping	√	<u>Spill Response</u> : Provide spill response training to staff.	Maintain certification	A spill response plan is part of the SWPPP. Spill response training was maintained by Fire Station Staff.		√	
	Manage Vegetative Properties						
	√	<u>Staff Training</u> : Educate municipal staff on the proper storage, handling and use of pesticides, herbicides and fertilizers	1x/5 yrs; new staff 1st yr	Staff training is just beginning as part of SWPPP development. All staff read over the SWPPP.	Two staff attended the April 2011 SEMCOG/ SCCHD training workshop. Fertilization, pesticide/ herbicide and moving practices were covered in this training.		√
	N/A	<u>Contractor Training</u> : Fort Gratiot Twp. does not contract out any landscaping services.	N/A	N/A	N/A		N/A
	√	<u>Fertilization</u> : Soil tests will be conducted on areas where phosphorous applications are desired 1x/ 4 yrs. Phosphorous will be applied only if soil tests show it is needed. Develop policy to conduct soil test before phosphorous applications and provide employee training.	Implementat ion ongoing; Policy by 09/01/2011	Fort Gratiot adopted practice of purchasing no phosphorous fertilizer.	Fort Gratiot adopted practice of purchasing no phosphorous fertilizer.		√
	√	<u>Vegetation Management BMPs</u> : Mow to a height of above 3" and mulch al clippings		DPW also maintains no-mow zones along the bike path and other properties.	DPW mows to height of 3" or above, mulches clippings and maintains no-mow zones along the bike path and other properties.		√
Voluntary Watershed Actions							
Describe any water quality related initiatives undertaken that has not already been discussed.			N/A	Coastal Management Grant application for Black River access, Property Acquisition Grant application to expand Fort Gratiot Pond.	The oil/ water separator was inspected and needed no cleaning. The septic system for the fire station was pumped out.	N/A	