

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

Permit Requirement	Responsible Party(s)		Best Management Practice	Schedule	2010 REPORTING	2011 REPORTING	Met Benchmark?
	Clyde 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.	Clyde Township attended 6 out of 6 NEWAG meetings (100%).	Clyde Township attended 6 out of 6 NEWAG meetings (100%).	√
	√	√	<u>Board Presentations</u> : Provide a presentation to elected officials and/or planning commission	1 presentations/ yr.	The SCCHD provided a presentation to the Clyde Township Supervisor, board members, and public on 8.17.10	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 stats, p. 2	See Blue Watershed News stats under Public Education activities.	√
	√	√	<u>Website</u> : Maintain website with current watershed information and contact info	Post by 2011	Link to SCC's storm water website and the watersheds logo was posted on www.clydetownship.net in the summer of 2011		√
				Update 4xs/yr.	There were 5,613 hits to the county storm water website and over 10,000 on Clyde's website	<u>County</u> : There were 11,911 hits to the SCC website.	√
	√	√	<u>Northeastern Watersheds Memo</u> : Develop a Watershed Memo and distribute to municipal and school officials	1 memo /yr.	The NEWAG developed Watershed Memo and distributed to stakeholders including Clyde Twp governing board and planning commission 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 two 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 by 2012	No actions			

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	Clyde 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	1, 2, 3, 4, 5, 6, 7, 8	Residents, visitors, public employees, businesses, students, industries, construction contractors, developers	30 pieces of material/ yr.	Distributed approximately 45 pieces at board meetings and the annual Ox roast	At least 30+ educational materials were distributed. A variety are available from the twp. lobby including SEMCOG tip cards, hotline magnets and "Do you know your watershed" brochure.	√
	√	√	<u>Water Quality Displays:</u> Provide water-quality themed displays at public events and/or facilities upon request.			1x/ 5 yrs.	No display in 2010. Plan to display table top in 2011.	No display in 2011. Request display in 2012	Request display.
	√	√	<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.	Storm Water education included in the Clyde Township newsletter that is distributed each spring to 2683 homes or 5,000 residents.	Clyde's spring newsletters included promotion of River Day. It was distributed to approximately 5,000 residents.	√
	√	√				2 editions of Blue Watershed News/ yr.	Two editions of the Blue Watershed News were distributed all over the county, to the Clyde Twp board and to Clyde Twp residents who signed up for this service.	1 edition (Fall 2011) of the Blue Watershed News was sent out across the county including to 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 road signs installed.	No new watershed road signs installed.	2 signs
	√	√	<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	√

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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	A link to SCC's storm water website and the watersheds logo were posted on www.clydetownship.net in the summer of 2011.		√
						Updates 4x/yr.	There were 5,613 hits to the 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.	√
						Distribute 20 magnets/yr.	~ 20 magnets were distributed.	Distributed ~30 magnets from the township hall.	√
	√	√	<u>Water quality presentations</u> : Provide presentations to a wide array of community audiences	1, 2, 4, 5, 6, 7, 8		2 presentations/yr.	No public presentations were made in Clyde Township. County-wide presentations were given at SC4 Free College Day (4/10/10), St. Clair County Master Gardener classes (2/24/10 & 3/10/10), and Stream Leaders (2/25/10 & 9/22/10)	10 presentations were given to 270 people across the county re: water quality, pollution prevention and LID mgt techniques.	√
√	√	<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.	Rain barrel sale information was promoted at the township hall and at meetings.	River Day and Earth Fair were promoted on Clyde's web page, newsletters & at board meetings.	√	

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Illicit Discharge Elimination Program	√		<u>Regulatory Method</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 Clyde Twp's MS4 which only drains municipal property.	9/1/2011	No actions.	No action needed. Revised IDEP proposes that any municipality that owns an MS4 draining only municipal property does not need a reg. method.	√
	√		<u>Map of Discharges</u> : Map of MS4 discharge point and the name and location of surface water receiving this discharge.	2010	A map of the one discharge point (swale) to a SCC RC ditch at the Clyde Township Hall was submitted to the MDRNE as part of the IDEP plan.	Complete. Already completed. Map will be reviewed in 2012 when screening occurs.	√
	√		<u>Screening</u> : Screening is defined in SCC's IDEP. Prioritization is not needed for 1 discharge point; thus this discharge point will be screened 1x by 2013.	1x by 2013	No actions. Discharge point screening planed for 2011.	Screening is planned for 2013.	√
	√		<u>Notify Partners (w/i 1 month)</u> : Notify the SCCHD when illicit discharges are detected during screening.	As illicit discharges are detected	No actions.	No problems to report. Revised SWPPI does not include this action.	√
	√		<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.		follow up source confirmation will be initiated if screening results show potential problems.	√
	N/A		<u>Procedure for Elimination</u> : Procedures for notifications, tracking and enforcement 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. See Regulatory Method above.	N/A. See Regulatory Method above.	N/A

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IDEP	√		<u>Correct illicit discharges</u>	As illicit discharges are found	No activities	No problems to correct.	√
	√		<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.	No activities. No fleet maintenance or storage yards.	Senior DPW worker was supposed to attend sw operator certification testing but there was a funeral that day.	sw operator training
Post Construction Controls	√	√	<u>Post Construction Storm Water Policy</u> : Finalize post construction ordinance that meets the following requirements for all new and redevelopment projects: 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.	9/1/2011	Clyde Twp. informally adopted the Drain Commissioner's Rules in 2008. This needs to be formalized into an ordinance and adopted in 2011.	Permission to adopt Drain Rules received from the current Drain Commissioner. The revised 2011 SWPPI proposes the final ordinance or amendment to ordinance due by 5/2012. This needs to be a priority task for 2012.	Post construct ordinance.
	√		<u>BMP Tracking</u> : The maintenance of all structural and vegetative BMPs, installed after 8/01/09 to meet post construction policy requirements of Clyde Twp. will be tracked and enforced. Currently Clyde Township is unaware of any BMPs to track.	2010	No BMPs to track.	No actions. Revised SWPPI eliminates this task.	N/A

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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	No actions.	No actions. Revised SWPPI eliminates this task.	Not in 2011 Revised SWPPI
	Complete		<u>Site Plan Review</u> : The SESC permit is part of the site plan review.	Procedure by 9/1/2011	1 site plan was reviewed and they did receive their SESC permit from the SCCHD.	No site plans were reviewed in 2010. Clyde Twp. uses a checklist of requirements for plan review. The requirement to obtain a SESC permit, as applicable, is part of this checklist.	√ COMPLETE
	N/A	√	<u>Implement SESC Program</u> : The SCCHD implements a Soil Erosion and Sediment Control program to meet the requirements of Part 91 of the Michigan Act on behalf of the municipality. The SCCHD will maintain record of the # of permits/ year and the last SESC audit and pass/ fail status.	N/A	The SCCHD will provide the # of SESC permits issued and the most recent audit status in its Progress Report..		N/A
Pollution Prevention & 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.	No training provided in 2010	Senior DPW worker was supposed to attend but there was a funeral that day.	Empl Training
	√		<u>Contractor Training</u> : Develop specifications that require training of contractors on topics 1) - 5) mentioned above as applicable to project.	9/1/2011	no actions.	No actions. Revised SWPPI replaces this task with an activity that only requires municipalities to provide information packets to contractors regarding storm water requirements applicable to their work.	Contractor training

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Pollution Prevention & 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 has been provided in Appendix C of this SWPPI.	2010; Annual Review	The SW structural control summary was developed for Clyde and was reviewed in 2010. No structures were added.	No actions. Revised SWPPI eliminates these tasks.	N/A
	√		<u>Structural Storm Water Maintenance</u> : A schedule of inspections of municipal owned and/or operated structural storm water controls is included in Appendix C.				
	√		<u>Update Summary</u> : update summary of municipal property MS4 and structural storm water controls as necessary.				
	√		<u>TSS Load Reduction Calculation</u> : Calculate load reductions for all impervious surfaces	9/1/2011 and 9/1/2013	No activities		
N/A		<u>Disposal Procedure</u> : Clyde does not have any significant materials for disposal.	N/A	N/A	N/A		

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Pollution Prevention & Good Housekeeping	Roadway, Parking Lots and Bridges						
	N/A	√	<u>Inspect and Clean Street Catch Basins</u> : The SCCRC maintains all primary, secondary and state road catch basins.	N/A	N/A	N/A	N/A
	N/A		<u>Inspect and Clean Parking Lot Catch Basins</u> : Clyde Twp does not have any parking lot catch basins.	N/A	N/A	N/A	N/A
	N/A	√	<u>Sweep Streets</u> : The SCCRC sweeps all local, county and state roads within municipality and will report results of 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 actions. Sweeping not needed.	No actions. Sweeping not needed.	√
	√		<u>Snow Removal and Disposal</u> : The following 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	Snow is stored on grassy areas; no need to haul off site. Snow storage areas checked each spring for debris removal or need to reseed.		√ Record sweeping inspections
	N/A	√	<u>Stabilize Erosion (Road ROW)</u> : The SCCRC stabilizes erosion along roads and bridges within the Road Right of Way and will report activities in its progress reports.	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	No actions.	No actions.	Develop grant project ideas for future.

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N/A			<u>Salt and Sand Storage/ Application:</u> Salt and salt/sand mixtures are stored in a covered facility and employees receive salting application education.	N/A	N/A. Clyde Twp. Doesn't apply or store salt.	N/A	N/A
N/A	√		<u>Dust Control BMPS:</u> The RC applies liquid calcium chloride to control dust and suspended solids in runoff from unpaved roads within municipality. The RC will report on applications in its progress reports.	N/A	N/A. County RC handles dust control.	N/A	N/A
√			<u>Cole Tar Emulsions:</u> Develop policy to not use coal tar emulsions for sealing asphalt surfaces	N/A	Contract with the county to do sealing of pavement as part of road maintenance contracts.	Revised SWPPI removed this task	N/A
Fleet Maintenance and Storage Yards							
N/A			<u>Storm Water Pollution Prevention Plan (SWPPP):</u>	N/A	N/A Clyde Twp does not have any fleet maintenance or storage facilities that require a SWPPP.	N/A	N/A
			<u>Certified Industrial Storm Water Operator:</u>				
			<u>SWPPP Inspections and Activities:</u>				
			<u>Fleet Maintenance Activities:</u>				

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P2 & Good Housekeeping	N/A		<u>Fleet and Equipment Washing</u> : No vehicles or large equipment are washed.	N/A	N/A	N/A	N/A
	√		<u>Refuse BMPs</u> : Inspect dumpster(s) for leaks and clean up loose refuse found around dumpsters.	Monthly	Minimum of 2x/s month.	Minimum of 2x/s month. Revised SWPPI removed this task	√
	√		<u>Spill Response</u> : Provide spill response training to staff. Clyde Twp Fire Station staff have spill responder training.	Maintain certification	Fire Station staff keep spill training maintained.	Fire Station staff keep spill training maintained.	√
P2 & Good Housekeeping	Manage Vegetative Properties						
	N/A		<u>Staff Training</u> : Educate municipal staff on the proper storage, handling and use of pesticides, herbicides and fertilizers	N/A	N/A	N/A	N/A
	N/A		<u>Contractor Training</u> : Require contractors to be properly trained on the proper storage, handling and use of pesticides, herbicides and fertilizers	N/A	N/A	N/A	N/A
	N/A		<u>Fertilization</u> : If phosphorous applications are desired a soil test must be performed once every four years prior to application to determine the amount and rate it can be applied, if at all. Permittees will document the need to conduct soil testing or a policy not to use fertilizers with phosphorous.	N/A	N/A	N/A	N/A
	√		<u>Vegetation Management BMPs</u> : Mow to a height of above 3" and mulch all clippings	SOP by 9/1/2011	All areas are maintained with a minimum of 4" clippings that are all mulched.	All areas are maintained with a minimum of 4" clippings that are all mulched.	√
Voluntary Watershed Actions							
Voluntary	Describe any water quality related initiatives Marine City has undertaken that has not already been discussed.		N/A	No additional activities to report.		N/A	