

SWPPI PROGRESS REPORT - SCC Drain Office
October 1, 2009 - September 30, 2011

Permit Requirement	RESPONSIBLE PARTY	Best Management Practice	Schedule	2010 Reporting	2011 REPORTING	Met Benchmark?	
	Drain Office			(Oct. 1, 2009 - September 30, 2010)	(Oct 1, 2010 - Sept 30, 2011)		
TMDLs		No Ecoli or Phosphorous TMDLs were developed in the urbanized portion of the NEW, Pine River, or Belle River Watersheds at the time of permit application.	N/A	N/A	N/A	N/A	
	Anchor Bay Ecoli TMDL for Metropolitan Beach and Memorial Beach						
	√	<u>TMDL Sampling</u> : Take 1 representative sample from at least 50% of the major discharge points (36") in the urbanized area within the ABay watershed.	2011	Samples taken from SCC's discharge points in ABay in the fall, 2010.	Sampling of SCCDO discharge points in ABay completed in 2011 as part of ABay TMDL grant. Discharge point screening spreadsheets are attached to this annual report.	√	
	√	<u>Priority TMDL Implementation Action</u> : Determine priority waterways/ subwatersheds based on sampling results and survey these waterways as defined in SCC's IDEP.	2011 & 2012	Priority waterways for IDEP surveys were based on E.coli monitoring results: Marsac Creek, Meldrum Drain and Swartout Creek which are being surveyed in 2011.	Crapau, Marsac, Meldrum and Swartout Creeks were surveyed as part of the ABay TMDL Grant.	√	
	<u>Develop Priority TMDL actions for 2013 - 2018</u> : Prioritize implementation actions to reduce Ecoli for the next permit cycle based on sampling and survey	2012	A TMDL Implementation Plan for ABay will outline potential future actions in Fall 2011.	An <i>Ecoli</i> reduction plan was completed and submitted to the state on September 22, 2011	√		
Public Participation Process	√	<u>Watershed Meetings</u> : Participate in watershed advisory group and subcommittee meetings	6 NEW, 4 ABay, and 4 Belle River WAG mtgs/yr.	The Drain Office was not able to participate in NEW or Anchor Bay watershed meetings this past year because of budget constraints and limited staff.	The DO's attendance dramatically improved. A representative attended 3 out of 5 NEW mtgs and 2 out of 3 Belle River mtgs.	√	

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Public Participation Process		<u>NEW Memo</u> : Develop a Watershed Memo and distribute to municipal and school officials in the Northeastern Watersheds (NEW).	1 memo /yr.	Memo was developed and the Drain Commissioner received a memo.	Annual memo not provided. NEW WAG members focused limited resources on revising the PEP, IDEP and SWPPIs because of the withdraw of 2008 draft permit. They decided the memo was repetitive of info provided in the Blue watershed newsletter and its sent to the same elected officials they were targeting with the memo. They revised the PPP to not include an annual memo anymore; only the blue watershed news.	√
	√	<u>Focus Group Meetings</u> : Participate in NEW focus group mtgs	2 focus group mtgs. 2012	No activities.	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.	No longer applicable.
	√	<u>Questionnaire</u> : Develop and distribute questionnaire for revising the NEW WMP.	Develop 1 questionnaire 2012			
	√	<u>Surveys (Abay)</u> : Participate in the development and distribution of a survey/ questionnaire for the Anchor Bay (Abay) watershed.	2011 & 2012		No activities. Waiting to hear back from SEMCOG facilitator regarding regional PPP survey being conducted in coordination with the CRWC.	ABay surveys

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Permit Requirement	RESPONSIBLE PARTY	Activity & Delivery Mechanism	Key Messages (Appendix B)	Target Audience	Schedule	2010 Reporting	2011 REPORTING	Met Benchmark?
	Drain Office					(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 including but not limited to brochures, magnets, stickers & posters.	1, 2, 3, 4, 5, 6, 7, 8	Public, Schools	600 pieces of material/ yr.	The DO provides several brochures about storm water, pollution prevention and drain office activities from its main office. No inventory. Over 600 pieces of education material was distributed by the SCCHD.	21 pieces of information/ education materials distributed. Inventory conducted. List of current SCCDO brochure on file.	√
	√	<u>Water Quality Displays:</u> Provide water-quality themed displays at public events and/or facilities upon request.				3 events/ yr.	DO developed and used displays at Earth Fair such as "good drain, bad drain", displays/ activities about pollution prevention and soil erosion, and a large indoor wetlands for hand-on learning.	The SCCDO set up their good drain/ bad drain display, carved fish, and a boat with live fish at the Port Huron Museum during their Mysteries of the Great Lakes event, September - December 2011.
		<u>Newsletters:</u> Distribute information/ notices about watershed education and activities via newsletters.	1, 2, 3, 4, 5, 6, 7, 8	Public, Schools	2 editions of newsletters/ yr.	The SCCHD developed and distributed 2 editions of the Blue Watershed Newsletter to hundreds of county residents.	1 edition (Fall 2011) of the Blue Watershed News was sent out across the county including to elected officials, teachers, and residents who have signed up to receive the newsletter.	√ SCCHD
	√	<u>Mark Catch Basins:</u> Mark catch basins with casting "Dump No Waste, Drains to Waterway"	1, 2	Public, Schd	As construction occurs	0 marked. The DO is no longer interested in requiring catch basin marking during development because of expense and lack of visibility. B. Wiley is working with a Boy scout troop to encourage stenciling of Shorewood Subdivision in the LHD watershed.	No catch basins were marked because staff think they are more expensive than standard catch basins.	Check with PH about costs

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Public Education Plan		<u>Mass Media Outreach:</u> Contact Radio, TV stations, video, websites or develop press releases with watershed messages.	1, 2, 3, 4, 7, 8	Public	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	√ SCCHD
		<u>Website:</u> Maintain access to updated education resources via www.stclaircountystormwater.org	1, 2, 3, 4, 5, 6, 7, 8		1000 website hits/ year.	There were 5,613 hits to the SCC stormwater website	There were 11,911 hits to the website.	√ SCCHD
	√	<u>Water Quality Hotline:</u> Promote and maintain a 24-hour anonymous tip line for reporting pollution problems through magnet distribution.	3	Public, Schools	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.	√ SCCHD
					Distribute 200 magnets/yr.	500 magnets were distributed via public events, the Health Dept counter, and public presentations.	250 magnets were distributed via public events, the Health Dept counter, and public presentations.	√ SCCHD
	√	<u>Public Presentations:</u> Provide presentations to public audiences on a variety of storm water topics.	1, 2, 4, 5, 6, 7, 8	Public	12 presentations/year	12 presentations were given to 256 people on topics about rain gardens, beaches, water quality, lawn care and pollution prevention.	The <u>SCCHD</u> gave 10 presentations to 270 people across the county re: water quality, pollution prevention and LID mgt techniques. The <u>SCCDO</u> provided presentation and hands on activities with a boat and stream they constructed at the PHMuseum - 9 students (Sept 2010).	√ SCCHD
	√	<u>School Programs:</u> Present the Enviroscape model to teach 3rd - 12th grade students about P2.	1, 2, 4, 5	Residents, students, schools, youth clubs	12 presentations/yr.	55 presentations were given at 18 schools to 1,217 students. Magnets, stickers and/or booklets were distributed to the students.	37 Pollution Solutions presentations were given to 853 students at 15 schools. Magnets, stickers and/or booklets were distributed to the students.	√ SCCHD

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Illicit Discharge Elimination Program	√	<u>Public Events</u> : Participate and/or promote county-wide events such as Earth Fair, River Day, Native Plant Sale, Stream Leaders, HHW Collection Day, Adopt-A-Road, and Adopt-A-Stream	1, 2, 3, 4, 5, 6, 7, 8	Public, schools, students	2 events/ yr.	<u>Earth Fair</u> : Several staff participated in Earth Fair and provided hands on activities such as "Stream Dipping" with live wildlife, "Mapping our local drains" (storm water awareness), and photo file of soil erosion problems, among many displays developed for Earth Fair.	The SCCDO did not promote or participate in any public events this year. There was no funding. The SCCDO will look into participating with a display or a booth or supporting by posting fliers for Earth Fair or River Day in 2012.	√ SCCHD
	√	<u>Regulatory Method</u> : Provide a policy to prohibit illicit discharges and procedure for notifications, tracking, and enforcement.			Complete	Drain Rules, Sect 2.6 Direct or Indirect Discharge to an Established Drain. Procedures developed as part of IDEP in 2002.		√ COMPLETE
		<u>Map of Discharges</u> : Revised maps and list of SCC's discharge points is included in SCC's IDEP and should be considered the most accurate list of SCC MS4 discharge points to date. The SCCHD will map discharge points on county properties by the second progress report; 2013.			SCCRC and SCCDO complete. County properties by 09/01/2011	A map of SWCC's discharge points was submitted to the DNRE as part of its Alternative IDEP application.	A map of ABay discharge points will be developed once all discharge points are screened in the county.	√
	√	<u>Screening</u> Perform dry weather screening (as defined and prioritized in the SCC's IDEP) at MS4 discharge points.			As defined in the IDEP	No activity before Sept 1 2010. Surveys for the ABay TMDL project will begin in late 2010 and last through the spring and early summer.	23 drain discharge points in ABay were screened in late fall 2010 and 2011. Screening spreadsheet is attached to this report. Resampling/ follow up needs to occur at the Crocker, Hammer and Clippert drains.	√
	√	<u>Notify Partners (w/i 1 month)</u> : Notify the DO, RC, HD, BOM, and/or PARC as applicable when illicit discharges are detected during screening.			As illicit discharges are detected	DO staff regularly call in complaints to the HD regarding soil erosion or failing septic systems. See complaint log.	Notification by email was provided of three drains where screening results need confirmation or resampling.	√

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Illicit Discharge Elimination Program	√	<u>Confirm Source (w/i 13 months of detection)</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.	No activity. Referred potential failing septic problems to the HD.	3 drain discharge points (Clippert, Hammer, Crocker) need rescreening to determine if further investigations are needed.	√ Follow up 3 drains in A Bay
	√	<u>Procedure for Elimination</u> : Develop procedures and tracking system for eliminating illicit discharge and pursuing enforcement action, including responding to spills and emergencies.	Complete	The SCCHD and SCCDO developed its tracking procedures in 2002 when IDEP first started.	IDEP Procedures continued to be used for referrals.	√ COMPLETE
	√	<u>Correct illicit discharges</u> : Correct illicit discharges in a timely manner.	As illicit discharges are found	Referrals to HD for OSDS failures found. See HD for correction stats. Indian Summers Composting facility discharge to Marsac Creek was corrected by meeting with the DEQ, follow up with the owner, and confirmation of correction in August 2011		√
	√	<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.	DO staff received IDEP training in early 2000s and have several years experience in IDEP from the last permit cycle.	1 staff from the SCCDO attended the April 2011 training sponsored by SEMCOG and the SCCHD and obtained DEQ sw operator certification IDEP topics were covered in this training.	√

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Post Construction Controls	√	<u>Post Construction Storm Water Policy</u> : 2004 Rules of the St. Clair County Drain Commissioner were submitted as part of SCC's permit application in 2008. Maintain plan review records and documentation of adherence to these standards for audit.	Complete	5 plan reviews conducted by DO.	2 plan reviews were conducted. Record keeping needs to be improved.	√ Record keeping
	√	<u>BMP Tracking</u> : Develop a tracking table of BMPs and inspections for compliance with post construction standards. Conduct inspections on BMPs and ensure they are maintained.	Tracking system by 9/1/2011; annual review	The BMP tracking table developed in 2010 and the only BMP was just constructed.	Developed list of BMPS but revised SWPPI eliminates this task because not required under the 03 permit.	Revised SWPPI removed task
Construction Controls	√	<u>Notification Procedure</u> : 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 a procedure to notify the SCCHD and DNRE as appropriate.	09/01/2011	SESC complaints are regularly referred to the HD by DO field staff.	SESC complaints are regularly referred to the HD by DO field staff.	√
	√	<u>Site Plan Review</u> : Require a SESC permit of developments and redevelopments applicable to this permit during the site plan review process. The DO and RC are Authorized Public Agencies and implement SESC on their own projects.	Complete	SESC permits from the SCCHD are required during the site plan review performed by the DO.	SESC permits from the SCCHD are required during the site plan review performed by the DO.	√
		<u>Implement SESC Program</u> : Implement a Soil Erosion and Sediment Control program across SCC to meet the requirements of Part 91 of the Michigan Act	Ongoing; report #s annually and pass/ fail status every 5 yrs.	APA status failure in July 2010 but remediated by Aug 2010 per C. Wood.	APA status has been reinstated.	√

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Pollution Prevention (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	No training activities this past year. SW Operator certifications obtained in 2009 by C. Collins, J. Kneebone, C. Wood, D. Hagen and B. Wiley. Exp 2014.	1 staff from the SCCDO attended the Mar 24, 2011 training sponsored by SEMCOG and the SCCHD and also obtained DEQ stormwater certification. All of the education topics listed as part of this this BMP were covered in this 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	Storm Water certification should be part of contracts when applicable. Develop template language in 2011.	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
	Structural Storm Water Control Effectiveness					
	√	<u>Structural SW Control Summary</u> : Attached as Appendix D. This list will be refined and resubmitted with the first progress report on 9/1/2011.	9/1/2011.	The SCC SW structural control summary was developed in 2010 and includes an inspection and maintenance schedule. DO Staff reviewed it for update/ additions and have none to add for this report.	SW structural Control Summaries developed in 2010. Revised SWPPI eliminates these tasks.	√ N/A Revised SWPPI removes this task
	√	<u>Structural Storm Water Maintenance</u> : Appendix D includes an inspection and maintenance schedule and will be refined first progress report				
	√	<u>Update Summary</u> : The summary of municipal properties, structural storm water controls, and maintenance and inspection schedules will be updated with each progress report.	09/01/11 & 9/1/2013			

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Pollution Prevention & Good Housekeeping	Structural Storm Water Control Effectiveness continued					
	√	<u>TSS Load Reduction Calculation</u> : Calculate load reductions	9/1/2011 & 9/1/2013	2011 & 2013	No activities. Revised SWPPI eliminates this task.	N/A Revised SWPPI removes this task
	√	<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	Next training topic for SEMCOG 2012 Training will be disposal practices. Currently the DO does not dispose of any hazardous materials.	Disposal procedures
	Roadway, Parking Lots and Bridges					
	√	<u>Inspect and Clean Street Catch Basins</u>	Clean 20% catch basins/ yr.	Oakwood Storm sewer cleaned out ~ 1/2 ton. Catch basins on Number 211 Drain in Avoca cleaned out ~ 1.5 tons.	Staff attempted to determine the total # of catch basins within county drain easement and estimates that there are approximately 300 catch basins in the SCCDO MS4. No catch basins were cleaned this past year.	clean catch basins
	NA	<u>Inspect and Clean Parking Lot Catch Basins</u> : Inspect 20% of catch basins/ yr. and clean as needed.	NA	NA	NA	NA
	NA	<u>Sweep Streets</u> : Sweep streets within jurisdiction. The RC will sweep MDOT roads 4x/yr., primary roads 3x/yr., and local roads 2x/yr.				
NA	<u>Sweep Parking Lots</u> : Sweep parking lots and access drives within jurisdiction. Parking lots will be inspected and swept as needed.					

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Pollution Prevention & Good Housekeeping	Roadway, Parking Lots and Bridges continued					
	NA	<u>Snow Removal and Disposal - Parking Lots and Access Roads:</u>	NA	NA	NA	NA
	NA	<u>Snow Removal and Disposal - Roads:</u>				
	NA	<u>Stabilize Erosion (Road ROW):</u>				
	√	<u>Stabilize Erosion (open waterways/ drains):</u> Stabilize banks of open drains or natural waterways.	As need and funding dictate	Alpine, Galbraith, Cox-Doty, Railroad, Bunce Creek projects, ~ 90 acres (4 million+ sq. feet)	Bunce Creek - seeding of banks 100 sq ft. Bank restoration after clean out of Baldwin Drain. Fish restoration project on the Howe Brandy more has begun. Other drains continue to be cleaned out, maintained and stabilized as needed. Records at the SCCDO.	√
	NA	<u>Salt and Sand Storage/ Application:</u> Salt and salt/sand mixtures are stored in a covered facility and employees receive salting application education.	NA	NA	NA	NA
	NA	<u>Dust Control BMPs:</u> Implement BMPs to control dust and suspended solids in runoff from unpaved roads and parking lots as requested from various municipalities.	NA	NA	NA	NA
	NA	<u>Cole Tar Emulsions:</u> Develop policy to not use coal tar emulsions for sealing asphalt surfaces	NA	NA	NA	NA
	Fleet Maintenance and Storage Yards					
	NA	<u>Storm Water Pollution Prevention Plans (SWPPPs):</u> Develop a SWPPP for all fleet maintenance and storage yards.	09/01/2010	Previous DO storage yard eliminated in 2010. No new DO storage yard established yet.	No SWPPP developed for storage area yet. Equipment just moved to building at the SCC Airport. Not sure if this building is covered with a SWPPP under the SCC Airport industrial permit.	√Investigate Airport garage

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Pollution Prevention & Good Housekeeping	Fleet Maintenance and Storage Yards continued					
	√	<u>Certified Storm Water Operator</u> : Ensure managers who oversee a storage or fleet maintenance yard are certified as a storm water operator.	1x certification; renewal/ 5 yrs.	C. Collins, J. Kneebone, D. Hagen, B. Wiley received storm water certifications in 2009. Exp 2014.	D. Rhein received Storm Water Operator certification # 11376 expires 2016.	√
	√	<u>SWPPP Inspections and Activities</u> : Maintain a log of all inspections, BMPs and training activities, and annual review and/or revisions	monthly, 6 month and annual inspections	No SWPPP developed. Storage yard eliminated in 2010.	No SWPPP developed for storage area yet. Equipment just moved there. Building is under the SCC Airport industrial permit so unsure if it is covered under their SWPPP.	Investigate Airport storage bldg.
	√	<u>Fleet Maintenance Activities</u> : Maintain vehicles and equipment for clean and effective operation to prevent impacts on storm water quality.	ongoing	2 pickup trucks, 1 van and 1 diesel tractor for mowing maintained by First Vehicle at SCCRC.		
	√	<u>Fleet and Equipment Washing</u> : Wash vehicles and equipment at facilities where grey water is treated.	ongoing	Vehicles/ trucks are seldom washed but when they are it is at the local car wash. 9 washes last year. Receipts on file.	Vehicles/ trucks are seldom washed but when they are it is at the local car wash. All receipts sent downtown.	√
	NA	<u>Refuse BMPs</u> : Inspect dumpster(s) for leaks and clean up loose refuse found around dumpsters.	NA	NA	NA	NA
	NA	<u>Oil/ Water Separator</u> : Clean out and dispose of waste. Currently there is only one oil water separator at the RC's Central Service Center.	NA	NA	NA	NA
	NA	<u>Spill Response</u> : Provide spill response materials and training at each fleet maintenance and storage yard facility with a SWPPP/ PIPP.	1x/ five years; new employee 1st yr	Storage yard eliminated in 2010. Depend on fire departments for spill response on drains.	No spill training this past year.	√

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Pollution Prevention and Good Housekeeping	Manage Vegetative Properties					
	√	Staff Training: Educate municipal staff on the proper storage, handling and use of pesticides, herbicides and fertilizers	1x/5 yrs; new staff 1st yr	Pesticide/ herbicide licenses expired Dec 2010. Recertification needed in 2011.	No spraying done this past year. Drain Commissioner is looking to get a staff person trained next year or will hire a contractor.	√
	√	Contractor Training: Require contractors to be properly trained on the proper storage, handling and use of pesticides, herbicides and fertilizers	Specifications by 9/1/2011	no activity	If spraying is contracted, the bid or contract needs to require the contractor to have proper certification for spraying. Fertilization is only done when stream banks are being restabilized.	√
	√	Fertilization: A soil test will be performed once every four years prior to application to determine the amount and rate it can be applied, if at all. Develop policy that soil tests must be conducted prior to potential phosphorous applications. Provide employee education.	Soil test 1x/ 4 yrs and 1 SOP for fertilization by 9.1.2011	No fertilizer used except for reestablishment of drain banks. 2010 - Avoca - organic fertilizer used.	Contract should say no phosphorous without a soil test. Soil tests and contracts with these requirements need to be kept for permit compliance documentation.	
	√	Vegetation Management BMPs: Mow to a height of above 3" and mulch all clippings. Develop Vegetative Management policy that states the BMPs that will be implemented in SCC landscaping activities.	Policy by 9/1/2011	All maintained areas in the ROW are mowed to above 4" and mulched.	All maintained areas in the ROW are mowed to above 4" and mulched.	√
Volunteer Watershed Activities						
N/A Voluntary Activities	Describe additional watershed initiatives that were not already recorded above.	2010		2011		N/A Voluntary Activities
		<ul style="list-style-type: none"> The SCCDO applied for several grants this past year including: 2 CMI grant applications in the fall for the Pelton Drain and the Marine City Dredge Cut. These were not awarded funding. 		<ul style="list-style-type: none"> Howe Brandymore Drain restoration grant was received. 		
		<ul style="list-style-type: none"> "A County Drain Just isn't a Ditch" Coastal Zone Management grant was awarded funding. 		<ul style="list-style-type: none"> Continued to apply for grants to restore the Pelton Drain and the MC Dredge Cut. 		