

**2009 Storm Water Permit Annual Progress Report  
Table 9 – SCC Health Department**

<b>Goal I:</b>	<b>Restore and Enhance Recreational Uses</b>							
<b>Objective a.</b>	<b>Reduce Bacterial Loading</b>							
<i>Permit Requirement</i>	<i>Method of implementation</i>	<i>Schedule</i>	<i>Evaluation</i>	<i>Activities</i>				
<i>IDEP</i>	1) Develop & send cattle exclusion letters to residents that have cattle in natural waterways or road drains.	1) Begin in 2006; annually as needed.	1) Copies of letters sent.	11.19.08 Presentation to St. Clair Conservation District. Discussion about how best to address cattle access sites where letters were sent in 2008.				
	2) Refer sewage problems to municipalities; assist with solution feasibility and sanitary planning	2) As needed	2) Copies of municipal communications	0 problems were referred to municipalities. SCCHD director and storm water coordinator attended several meetings with Kimball Township regarding Smiths Creek TMDL.				
<i>IDEP/ P2 and Good Housekeeping</i>	3) IDEP inspections of SCC facilities.	3) 2007	3) IDEP Inspection reports	9.3.09 Inspection of Port Huron Area School District Transportation Center. Report still being compiled. 9.11.09 outfall survey at Goodells County park.				
<i>IDEP</i>	4) Implementation of IDEP on natural waterways and road drains	4) Surveys in all watersheds by 2007.	4) Total # of HD and DO problems found versus # corrected/ year.	<table border="1"> <tr> <td>ID failing OSDS</td> <td>40</td> </tr> <tr> <td>Corrected failures</td> <td>16</td> </tr> </table>	ID failing OSDS	40	Corrected failures	16
	ID failing OSDS	40						
Corrected failures	16							
5) Maintain and respond to sewage complaints.	5) Annually	5) Complaint / year. Follow up results.	<table border="1"> <tr> <td>Environmental Health/ Hot Line (877 504-7946) or (810) 987 5306</td> <td>35 complaints/ calls</td> </tr> </table> <ul style="list-style-type: none"> <li>All complaints followed up and resolved by area Sanitarians.</li> </ul>	Environmental Health/ Hot Line (877 504-7946) or (810) 987 5306	35 complaints/ calls			
Environmental Health/ Hot Line (877 504-7946) or (810) 987 5306	35 complaints/ calls							
<i>IDEP</i>	6) Issue OSDS permits and conduct final inspections for new OSDSs.	6) As construction dictates.	6) # of new permits / year, # final inspections,	<table border="1"> <tr> <td># of OSDS Permits</td> <td>128</td> </tr> <tr> <td>Final Inspections</td> <td>224</td> </tr> </table>	# of OSDS Permits	128	Final Inspections	224
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<b>IDEP</b>	7) Enforce the SCC Environmental Health Code	7) As problems warrant.	7) # OSDS corrections/ yr, enforcement problems / yr	Corrected OSDS	71
				Enforcement/ Court	3
<b>IDEP/ PE</b>	8) Distribute OSDS brochures thru OSDS final inspections & Website.	8) Annually	8) # distributed/ year and # of website hits/ year	<ul style="list-style-type: none"> <li>• OSDS brochures distributed as part of permit applications forms and final inspections. 128 distributed.</li> <li>• 3,884 hits on website where OSDS and IDEP info are located.</li> </ul>	
				9) Distribute OSDS and IDEP brochures to other county offices and to residents via PE program	9) Annually
				Illicit Discharge Elimination Program	25
				Method of distribution	Public events, Twp halls, WAG Mtgs., HD & Do lobbies, table-top displays, final inspect.
<b>IDEP/ PE</b>	10) Distribute pet waste education through SEMCOG tip cards, display table, SCC website, PEP presentations, and SCC children's activity booklet.	10) Annually	10) # of tip cards and booklets distributed, #of events and period of time for display table, #website hits.	<b>Pet Waste Distribution Method</b>	<b>2008-2009</b>
				Tip cards distributed with table top display	365 days, 5 locations
				Children Activity booklets	110 books
				SCC Storm Water Website visits	3,884 hits
				Presentations including pet waste	31 Pollution Solutions presentations; 731 people
<b>Objective b.</b>	<b>Reduce Nutrient Loading</b>				
	1) Presentations that include PP lawn & garden info.	1) Annually	1) # presentations/ year; surveys, content of presentations	<ul style="list-style-type: none"> <li>• 731 people, 31 Pollution Solutions presentations; included info about LID BMP's.</li> <li>• See PEP section of this Annual Report.</li> </ul>	

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<i>PE</i>	2) Work with MD, PARC, RC and SEMCOG to develop Employee PP Training materials including environmentally friendly lawn and garden maintenance techniques.	2) 2006	2) Material development	<ul style="list-style-type: none"> <li>• 8 HD staff received Industrial Storm Water Certification (S. Faust #10006, M. Malcolm #09984 and KOJurs # 09954, R. Hablewski #10093, S. Demick #10090, K. Shinn 10106, M. Dey #10091, K. MCneil #10102 )</li> <li>• 1 HD staff attended SEMCOG “Authorization to Appropriation” workshop</li> <li>• 1 HD staff attended SEMCOG “Green Streets:” Workshop</li> <li>• 2 HD staff received training in MiCorps macroinvertebrate techniques</li> <li>• 4 HD staff attended SEMCOG “Detention Basin Maintenance Workshop”</li> <li>• 4 HD staff attended N. Brnch Clinton River USA and USSR Stream Assessment Workshop</li> <li>• 3 HD staff attended SEMCOG “Nativeplants” workshop</li> <li>• HD sponsored an Industrial Storm Water Certification Workshop, ~ 32 people attended including several staff from Parks, Road, and the Drain Office.</li> </ul>
	3) Implement Employee PP Training.	3) 2007	3) Training questionnaires	
<b>Objective c.</b>	<b>Protect and Re-establish Riparian and Instream Habitat</b>			
<i>PE</i>	1) Develop training materials and conduct workshops to reduce salt/ deicing material usage.	1) 2006	1) Material development 2) Sign in sheets; Training questionnaires.	<ul style="list-style-type: none"> <li>• Sponsored a MDEQ SW Industrial certification workshop which includes info on salt BMPs: 32 attended.</li> </ul>
<i>PE</i>	3) Mark catch basins (cb) on SCC properties.	3) Complete by 2008	3) & 4) Number of storm drains marked; locations of storm drains marked	<ul style="list-style-type: none"> <li>• No markings this past year; implemented at parks last year.</li> </ul>
	5) Install ten road signs marking waterways in SCC.	5) Complete by 2008	5) Number of road signs installed, location of signs	No signs bought by the county. coordinated ordering of 45 more signs for installation in 2010.

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<b>Goal II</b>	<b>Restore and Protect Aquatic Life, Wildlife, and Habitat</b>			
<b>Objective b.</b>	<b>Reduce Soil Erosion and Sedimentation (SESC)</b>			
<b>PE</b>	1) Distribute SESC flier with all OSDS permit applications.	1) OSDS permit applications	1) # of permit applications./ year	<ul style="list-style-type: none"> <li>• 128 OSDS brochures distributed with new OSDS permits</li> <li>• SESC brochures are available at environmental health reception lobby.</li> </ul>
<b>Construction Controls**</b>	1) Continue to seek funding mechanisms for additional SESC staff.	1) Annually	1) Report efforts to add additional staff.	<ul style="list-style-type: none"> <li>• 6 sanitarians are performing SESC inspections on reg. basis.</li> <li>• '08 SESC DEQ audit passed.</li> </ul>
	2) Ensure MDEQ certification is current for SESC staff.	2) Every five years	2) Current training certificates	<ul style="list-style-type: none"> <li>• No training this year. 8 HD staff certified in SESC in 2008. All certifications current.</li> </ul>
	3) Continue to use SCC SESC ordinance enforcement procedures that fulfill MDEQ enforcement requirements.	3) As enforcement is needed.	3) Enforcement problems/ year	<ul style="list-style-type: none"> <li>• 185 permits issued, 1<sup>st</sup> notice: 41, 2<sup>nd</sup> notice: 3, Notice of noncompliance: 0</li> <li>• The SCCHD passed its SESC audit in 2008. Audits are conducted every five years.</li> </ul>
	4) Continue implementation of SESC educational efforts for local governments and area contractors.	4) One workshop / year	4) Education activities	<ul style="list-style-type: none"> <li>• SESC Workshop implemented 19 contractors attended.</li> </ul>
<b>Construction Controls**/ PE</b>	5) Distribute SESC educational materials	5) Annually	5) Education materials/ year	<ul style="list-style-type: none"> <li>• SESC handout available in HD lobby. Handout sent out with 128 OSDS permits. SESC program info on HD website.</li> <li>• 4/22/09 and 9/17/09 – Stream Leaders Training Workshops provides information about erosion and flashiness.</li> </ul>
<b>Objective c.</b>	<b>Reduce Excess Runoff</b>			<b>See earlier summary of activities Goal I. Objective b.</b>

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Objective d.	Protect Open Space and Natural Areas within the Watershed											
<i>PE and Post Construction</i>	1) Work with the SWPAC to develop a storm water policy proposal for the BOC including encouragement of natural feature and floodplain protection	1) 2006 - 2008; proposal 2008	1) Meeting minutes; annual summary of progress	<ul style="list-style-type: none"> <li>• Informal post construction procedures adopted by BOC for all new county construction last year.</li> <li>• RC adopted post construction procedures last year.</li> <li>• The new SCC Drain Commission plans to develop new procedures in 2010 and the plan is for the BOC to adopt those standards.</li> </ul>								
	2) Provide educational outreach on storm water policy that protects natural feature and floodplains.	2) 2006 – 2008	2) Education activities/ year	Buffer and floodplain protection presentations: <ul style="list-style-type: none"> <li>• 11/8/08 Harsens Island presentation – 20 people</li> <li>• 4/7/09 Riley Twp - 20 people</li> <li>• 8/4/09 Belle River WAG– 20 people</li> <li>• 9/9/09 Belle River Public Meeting – 30 people</li> </ul> 25 SEMCOG LID brochures distributed from HD lobby								
	3) Promotes and organizes cleanups as part of River Day activities	3) Annually, June	3) Promotion efforts; clean up activity statistics	<ul style="list-style-type: none"> <li>• Stream leader volunteers picked up garbage during all monitoring events.</li> <li>• No clean ups organized for River Day this past year.</li> </ul>								
<i>PE</i>	4) Promote HHW collection for River Day. Distribute: <ul style="list-style-type: none"> <li>• SCC brochure;</li> <li>• SEMCOG’s HHW Disposal tip cards,</li> <li>• brochures/ posters;</li> <li>• Newsletter</li> <li>• municipal newsletters.</li> </ul>	4) Annually	4) HHW promotion/ year	<table border="1"> <tr> <td data-bbox="1203 935 1598 1040">Tip cards, brochures, newsletters distrib. with table top display</td> <td data-bbox="1598 935 1995 1040">365 days, 5 locations</td> </tr> <tr> <td data-bbox="1203 1040 1598 1073">Children’s Activity Book</td> <td data-bbox="1598 1040 1995 1073">110</td> </tr> <tr> <td data-bbox="1203 1073 1598 1146">SCC Storm Water Website visits</td> <td data-bbox="1598 1073 1995 1146">3,884 hits</td> </tr> <tr> <td data-bbox="1203 1146 1598 1211">Presentations (includes HHW disposal)</td> <td data-bbox="1598 1146 1995 1211">31 Pollution Solutions presentations; 731 people</td> </tr> </table> <ul style="list-style-type: none"> <li>• Articles for local municipal newsletters provided upon request.</li> </ul>	Tip cards, brochures, newsletters distrib. with table top display	365 days, 5 locations	Children’s Activity Book	110	SCC Storm Water Website visits	3,884 hits	Presentations (includes HHW disposal)	31 Pollution Solutions presentations; 731 people
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SCC Storm Water Website visits	3,884 hits											
Presentations (includes HHW disposal)	31 Pollution Solutions presentations; 731 people											
5) Provide HHW disposal info on the Storm Water website.	5) Annually	5) # website hits/ year	<b>SCC Storm Water Website</b> <a href="http://stclaircountystormwater.org">stclaircountystormwater.org</a> 3,884 hits									

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<b>III.</b>	<b>Protect Public Health</b>				
<b>Objective a.</b>	<b>Protect Drinking Water Supply</b>	All actions listed in this document work towards protection of drinking water sources.			
<b>Objective b.</b>	<b>Reduce Pollutants Resulting in Fish Advisories</b>				
<i>PE &amp; IDEP</i>	1) Maintain the Health Dept 24-hour phone hotline for reporting pollution problems.	1) Ongoing throughout permit cycle	1) # of calls to hotline; nature of complaints; follow up actions	Environmental Health/ Hot Line (877 504-7946) or (810) 987 5306	35 complaints/ calls
	All complaints followed up and resolved by area Sanitarians.				
<i>PE &amp; IDEP</i>	2) Develop and distribute the Health Dept's Water Quality Hotline magnets.	2) Ongoing	2) # of hotline magnets and poster distributed	Magnets	500
	Posters				
<i>PE &amp; IDEP</i>	3) Distribute IDEP, Watershed, Beach brochures	3) Ongoing	3) # distributed/ year	IDEP	25
				Watershed	350
				Beach	380
<b>Objective c.</b>	<b>Reduce Bacterial Loading</b>	See earlier summary of activities I. a.			
<b>Goal IV:</b>	<b>Reduce Impacts from Peak Flows</b>				
<b>Objective a.</b>	<b>Establish Target Peak Flows for Tributaries</b>	2005 Anchor Bay Watershed Hydrologic Analysis			
<b>Objective b.</b>	<b>Develop Water Resource Protection and Management Ordinances to Reduce Runoff</b>				
<i>Post Construction</i>	1) Develop a BOC storm water policy proposal including encouragement of LID practices on new construction.	1) 2006 - 2008; proposal 2008	1) Meeting minutes; annual summary of progress	<ul style="list-style-type: none"> <li>• Informal post construction procedures adopted by BOC for all new county construction last year.</li> <li>• RC adopted post construction procedures last year.</li> <li>• The new SCC Drain Commission plans to develop new procedures in 2010 and incorporate LID incentives. The current plan is for the BOC to adopt those standards once they are developed.</li> </ul>	
<i>Public Education</i>	2) Provide outreach on LID practices.	2) 2006 - 2008	2) Education activities/ year.	<ul style="list-style-type: none"> <li>• 25 LID brochures distributed from HD lobby</li> <li>• Distributed 3 LID manuals to engineering/ architect firms</li> <li>• Provided LID presentation at MPC workshop to 25 people</li> </ul>	

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<b>Objective c.</b>	<b>Reduce Storm Water Runoff Quantity and Minimize Post-storm Instream Velocities</b>			
<b><i>Post Construction</i></b>	1) Develop a BOC storm water policy proposal including a means to reduce runoff and minimize post storm instream velocities.	1) 2006 - 2008; proposal 2008	1) Meeting minutes; annual summary of progress	• See Goal IV, Objective b above. Current and new policy will include means to reduce runoff and minimize post storm instream velocities.
<b><i>Public Education</i></b>	2) Outreach on storm water policy and LID practices.	2) 2006 - 2008	2) Education activities/ year.	Same as Goal II, Objective d. Educational outreach on storm water policy and LID practices was included in all presentations that discussed buffers and natural feature protection.

**2008-2009 Additional Activities/ Information**

- HD continued to partner with FOSCRW on implementing the MiCORPS Macroinvertebrate and Habitat monitoring project. Approximately 60 volunteers participated in six days of monitoring over the year which resulted in 7 sites being monitored once in the spring and once in the fall in the NEW and A Bay watersheds.
- 1 HD staff participated on the BiNational Public Advisory Council Fish and Wildlife subcommittee.
- 1 HD staff participated in MDEQ MS4 Implementation Team to develop guidance documents for the new permit.
- 4 HD staff participated in the North Branch of the Clinton River’s USA and USSR survey training; 2 staff conducted USSR surveys in Berlin Township.
- HD participated in the Black River TMDL assessment meetings and provided samples for BST analysis.
- 7 HD sanitarians participated in Stream Monitoring event; 4 participated in two macroinvertebrate ID workshops.
- HD assisted DNR staff with fish shocking in St. Clair River Direct Drainage: MC dredge Cut, and Cuttle Creek
- HD participated in 7 storm water permit coordination meetings with county departments and nested jurisdictions: 11.20.08, 1.20.09, 1.22.09, 6.24.09, 6.25.09, 7.7.09, 7.14.09