

Wisconsin Department of Natural Resources SWIMS Project Summary

General Project Information

Project ID:	Cedar Creek & Milwaukee TMDL
Name:	Cedar Creek & Milwaukee River TMDL
Type:	TMDL/303d Projects
Subtype:	Implement TMDL
Status:	ACTIVE
Start Date:	9/23/2008
End Date:	12/31/2099
Purpose:	Cedar Creek is a 28-mile, warm water stream that runs through Washington and Ozaukee Counties of Southeastern Wisconsin and flows into the Milwaukee River at river mile 28. The land use in the Cedar Creek Watershed is primarily rural including agriculture (49%), wetlands(16%), grasslands and forest (26%), while urban areas cover about 3.5% of the watershed (WNDR 2001). The Wisconsin Department of Natural Resources (WDNR) placed the first 5 miles of Cedar Creek upstream of the confluence with the Milwaukee River on Wisconsin's
Objective:	Cedar Creek is part of the Great Lakes Basin, and ultimately the fate and transport of PCBs to the Milwaukee River and the Milwaukee River Area of Concern should be considered when exploring implementation actions for this TMDL. Despite the remediation efforts of Ruck Pond, human and ecological risks remain in effect downstream of the Ruck Dam in Cedar Creek to the Milwaukee River. Additional remediation is necessary in the Cedar Creek system to see a continual decline in sediment concentrations of PCBs, level of PCBs in fish tissue, and also exports of PCBs to the Milwaukee River. Since Cedar Creek is a Superfund Alternative site, WDNR, EPA and the potential responsible parties are working together on a Remedial Investigation and Feasibility Study Reports (RI/FS). However, the comments from EPA, in consultation with WDNR, should be adequately addressed in the RI/FS conducted by ARCADIS BB&L for the Mercury Marine Corporation. It is important that the RI/FS proceed to completion and in a timely manner. Model projections indicate system recovery is enhanced by removing contaminants from certain impoundments (Figure 2). In addition, after the Cedar Creek remedy is implemented, significant benefits could be expected including local and watershed-wide fish and wildlife bioaccumulation rate reductions, reduced human health risks associated with fish and wildlife consumption advisories, reduced ecological risk for fish eater animals, and elimination of the potential impacts associated with significant or catastrophic loading events (e.g. high flows or possible dam failure as experience in Hamilton Pond). For example, if the Wire and Nail dam would fail, approximately 70 kg of PCB stored could be released which is greater than the PCB transport estimated from Cedar Creek in the next 25 years (Baird and Associates 1997).
Comments:	
Outcome:	After a full and complete review, EPA finds that the TMDLs for the Cedar Creek and Milwaukee River watershed satisfy all of the elements of approvable TMDLs. This approval is for 2 TMDLs, addressing 1 impairment each in 2 waterbody segments.
Study Design:	
QA Measures:	

People

Name	Role	Status	Start Date	End Date	Organization	Comments
BURZYNSKI, MARSHA B	COORDINATOR	COMPLETE	3/25/2007	9/15/2021	Wisconsin DNR	

Project Statuses

Date	Reported By	Status	Comments
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Actions

Action	Detailed Description	Start Date	End Date	Status
TMDL (USEPA) Approved	The Cedar Creek and Milwaukee River watershed was listed on the 2006 Section 303(d) list due to fish consumption advisories due to polychlorinated biphenyls (PCBs).	9/23/2008	9/23/2008	COMPLETE

Wisconsin Department of Natural Resources SWIMS Project Summary

TMDL Development	Cedar Creek is a 28-mile, warm water stream that runs through Washington and Ozaukee Counties of Southeastern Wisconsin and flows into the Milwaukee River at river mile 28. The land use in the Cedar Creek Watershed is primarily rural including agriculture (49%), wetlands(16%), grasslands and forest (26%), while urban areas cover about 3.5% of the watershed (WDNR 2001). The Wisconsin Department of Natural Resources (WDNR) placed the first 5 miles of Cedar Creek upstream of the confluence with the Milwaukee River on Wisconsin's 2006 Impaired Waters List.	9/23/2008	9/23/2008	COMPLETE
TMDL Monitoring	Cedar Creek is a 28-mile, warm water stream that runs through Washington and Ozaukee Counties of Southeastern Wisconsin and flows into the Milwaukee River at river mile 28. Cedar Creek is part of the Great Lakes Basin, and ultimately the fate and transport of PCBs to the Milwaukee River and the Milwaukee River Area of Concern should be considered when exploring implementation actions for this TMDL. Despite the remediation efforts of Ruck Pond, human and ecological risks remain in effect downstream of the Ruck Dam in Cedar Creek to the Milwaukee River.	9/23/2008	12/31/2099	IN_PROGRESS

Details: Parameter	Value/Amount	Units	Comments
Total Phosphorus			
Total Suspended Solids			
TMDL Implementation	Cedar Creek & Milwaukee River TMDL Implementation. An Implementation Plan is needed.	9/23/2008	IN_PROGRESS

Monitoring Stations

Station ID	Name	Comments

Assessment Units

WBIC	Segment	Local Name	Official Name
15000	4	Milwaukee River	Milwaukee River
21300	1	Cedar Creek	Cedar Creek
44200	1	Un. Creek (T14n R18e Nw Ne 27)	Unnamed

Lab Account Codes

Account Code	Description	Start Date	End Date

Forms

Form Code	Form Name

Methods

Method Code	Method Description

Wisconsin Department of Natural Resources SWIMS Project Summary

Fieldwork Events

Start Date	Status	Field ID	Station ID	Station Name
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Documents

Title	Description	Author	Published	Comments
Cedar Creek & Milwaukee River PCBs TMDL 2008	Final TMDL Submitted on August 29, 2008. Polychlorinated Biphenyls (PCBs) Total Maximum Daily Load for Cedar Creek & Milwaukee River (Thiensville Segment) Ozaukee County, WI	Villeneuve, Valerie and Richmond, Nicole	8/29/2008	
Cedar Creek Watershed (MI04) Goals and Priorities Image	MI04		6/22/2011	
Cedar Creek at Covered Bridge Late Summer (Photo)	Late summer - foot bridge	Gennrich	9/5/2011	
Cedar Creek at Division Rd (Photo 1)		Gennrich	7/11/2009	
Cedar Creek at Division Rd (Photo 2)	Thermister under bridge	Gennrich	9/5/2011	
Cedar creek at Division Rd (Photo 3)	Sample site	Gennrich	9/5/2011	
USEPA Decision Document for the Approval of the Cedar Creek and Milwaukee River TMDL Thiensville Segment 21300_35378	Cedar Creek USEPA TMDL Decision Document. 'After a full and complete review, EPA finds that the TMDLs for Cedar Creek and Milwaukee River watershed satisfy all of the elements of approvable TMDLs. This approval is for 2 TMDLs, addressing 1 impairment each in 2 waterbody segments.'	USEPA	9/23/2008	
Volunteers Monitoring Cedar Creek		River Alliance of Wisconsin		

Budget

Combined Budgets:

Combined WSLH:

Combined Total: \$0.00

Funding

Organization	Source	Type	Amount	Start Date	End Date
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