



Water Resources Division

April 28, 2014

Category	Metric #	Metric	Why It Matters	Measured	Target	How are we doing?	2014 (2nd Q)	2014 (3rd Q)	2014 (4th Q & FY)	2013	2012	2011	2010	2009	
Environmental Stewardship	S-1	Percent of monitored beaches with no closures or advisories due to unacceptable levels of <i>E. coli</i> during the recreational season.	Beaches need to be safe for swimming and total body contact.	Annually (CY)	100%	Fair				80%	76%	72%	76%	80%	
	S-2	Percent of monitored river/stream miles that meet total body contact water quality standards.	Rivers need to be safe for total body contact.	Biennially (odd yrs)	100%	Poor				52%	60%	43%	-	57%	
	S-3	Reduce volume of raw sewage discharged, billion gallons per year.	Raw sewage causes waters not to be safe for swimming and contact.	Annually (CY)	0	Good					1.21	7.9	2.45	7.29	
	S-4	Reduce mercury levels in edible portions of fish to safe levels, below 0.35 ppm.	Fish need to be safe to eat.	Annually (CY)	0.35 ppm	Poor					0.78	0.8	0.79	0.79	
	S-5	Percent river miles that meet the mercury standard of 1.3 ng/l.	Protects wildlife that consume fish.	Annually (CY)	100%	Fair							56%	53%	56%
	S-6	Reduce the mercury loading from wastewater treatment plant discharges (pounds per year).	Reduces mercury in Michigan waters.	Annually (CY)	0	Good				11	11	18	35	14	
	S-7	Reduce PCB concentrations in fish (lipid normalized carp) to 0.05 mg/kg by 2025.	Fish safe to eat.	Annually (CY)	0.05 mg/kg	Good					0.86	0.7	0.7	0.6	
	S-8	Dioxin in whole carp from Saginaw Bay.	This is a major area of dioxin contamination.	Every 5 Years (2009)	0.53 ng/kg	Fair				-	19.5	-	-	21	
	S-9	Monitored waters attaining the aquatic life designated use based on an assessment of the benthic macroinvertebrate communities.	Healthy biological communities indicate ecological integrity.	Annually (CY)	100%	Excellent				96%	95%	95%	95%		
	S-10	Percent of new water withdrawals registered that do not cause an adverse resource impact.	Protects natural hydrology of rivers.	Annually (CY)	100%	Excellent				100%	100%	100%	100%		

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	S-11	Number of oceangoing vessels under the Michigan ballast water permit.	Prevent the introduction of aquatic invasive species into the Great Lakes.	Annually (FY)	110	Excellent				127	106	183	174	110
	S-12	Phosphorus concentrations and trends in Grand Traverse Bay.	Protects Michigan's major Great Lakes bays from nutrient enrichment.	Annually (CY)	6 ug/l	Excellent						2	6	3.5
	S-13	Phosphorus concentration in Lake Allegan.	Restore designated uses.	Biennially (even yrs; CY)	60 ug/l	Fair				-	68	-	70	-
	S-14	Phosphorus concentration in Lake Macatawa.	Restore designated uses.	Biennially (even yrs; CY)	50 ug/l	Poor				-	133	-	227	-
	S-15	Phosphorus concentration in Ford Lake.	Restore designated uses.	Biennially (even yrs; CY)	50 ug/l	Fair				-	60	-	-	38
	S-16	Phosphorus concentration in Belleville Lake.	Restore designated uses.	Biennially (even yrs; CY)	30 ug/l	Poor				-	57	-	-	46
	S-17	Phosphorus concentration in Saginaw Bay.	Protects Michigan's major Great Lakes bays from nutrient enrichment.	Annually (CY)	15 ug/l	Good						18	17	14
	S-18	Number of dam failures.	Dam failures can result in loss of life, significant property damage, loss of recreational resources, and significant environmental resource damage.	Annually (CY)	0	Poor				4	3	2	2	0
	S-19	Increase the number of permits issued for natural shoreline by 50% over the previous year for 3 years (2011-2013).	Improves lake quality.	Annually (FY)	50%	Fair				31	62	24	11	
	B-1	National Pollutant Discharge Elimination System (NPDES) permits: number of days to issue new use authorizations under general or individual permits.	New facilities or new processes which obtain discharge authorization: process within 180 days.	Annually (FY)	90	Good				77	53	58	52	61
	B-2	Percent of NPDES individual permits reissued.	NPDES permits must be reissued every 5 years.	Annually (FY)	100%	Poor				81%	85%	94%	96%	94%
	B-3	NPDES permits (new use and individual): number of permits issued.		Annually (FY)						342	-	-	-	-

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	B-4	NPDES permits (new use and individual): number of permits denied.		Annually (FY)						0	-	-	-	-
	B-5	Groundwater discharge permits: number of days to issue new use authorizations under general or individual permits.	New facilities or new processes which obtain discharge authorization: process within 180 days.	Annually (FY)	90	Good				86	67	78	12	56
	B-6	Groundwater discharge permits: number of permits issued.		Annually (FY)						121	-	-	-	-
	B-7	Groundwater discharge permits: number of permits denied.		Annually (FY)						0	-	-	-	-
	B-8	Construction storm water permit response time (number of days).	Important for economic development and water quality protection.	Quarterly	30	Excellent	9			8	11	13		
	B-9	Storm water permits (construction, industrial, and MS4): number of permits issued.		Annually (FY)						1,005	-	-	-	-
	B-10	Storm water permits (construction, industrial, and MS4): number of permits denied.		Annually (FY)						0	-	-	-	-
	B-11	Percent of aquatic nuisance control permit decisions within the deadline.	Allows proper control of nuisance conditions in waters.	Annually (FY)	100%	Good				93%	100%	100%	92%	99%
	B-12	Aquatic nuisance control permits: number of permits issued.		Annually (FY)						2,618	-	-	-	-
	B-13	Aquatic nuisance control permits: number of permits denied.		Annually (FY)						0	-	-	-	-
	B-14	Percent of land/water resource (joint application) permit decisions issued within the Part 13 deadlines.	Timely permit decisions allows WRD customers to appropriately plan projects and coordinate construction and other approval schedules.	Annually (FY)	100%	Good				95%	99%	99%	96%	97%
	B-15	Land/water resource (joint application) permits: number of permits issued.		Annually (FY)						3,832	-	-	-	-

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Internal Business Processes	B-16	Land/water resource (joint application) permits: number of permits denied.		Annually (FY)						34	-	-	-	-
	B-17	Average time (days) to issue wetland permit once the application is complete.	Timely issuance of permits allows WRD customers to begin project sooner.	Annually (FY)	45	Good				42	21	27	21	21
	B-18	Wetland permits: number of permits issued.		Annually (FY)						337	-	-	-	-
	B-19	Wetland permits: number of permits denied.		Annually (FY)						8	-	-	-	-
	B-20	Average time (days) to issue water resources general permits once the application is complete.	Timely issuance of permits allows WRD customers to begin project sooner.	Annually (FY)	30	Excellent				14	12	15		
	B-21	Average time (days) to issue water resources minor projects once the application is complete.	Timely issuance of permits allows WRD customers to begin project sooner.	Annually (FY)	45	Excellent				15	13	16		
	B-22	Number of days to process Part 41 sewer permits.	Proper infrastructure is critical to functioning sewer systems.	Quarterly	30	Excellent	15			16	16	18	20	22
	B-23	Part 41 sewer permits: number of permits issued.		Annually (FY)						298	-	-	-	-
	B-24	Part 41 sewer permits: number of permits denied.		Annually (FY)						2	-	-	-	-
	B-25	Number of groundwater permits in backlog.	Protect drinking water with timely and appropriate permits.	Annually (FY)	0	Fair				35	25	19	8	5
	B-26	NPDES permit compliance.	Annual calculation of permit compliance rate for major NPDES discharges in Michigan. Calculation based on the significant noncompliance rate only.	Annually (FY)	100%	Good				93%	92%	85%	92%	87%

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	B-27	Percent of high and significant hazard potential dams inspected.	Failure of high and significant hazard potential dams is the greatest threat to loss of life and significant damage. Dams that are regularly inspected have less chance of failure because potential problems can be identified early and resolved.	Annually (CY)	100%	Good				88%	95%	89%	93%	90%
	B-28	Percent of low hazard potential dams inspected.	Any dam failure has the potential to cause damage and have unforeseen consequences. However, failure of low hazard potential dams is not likely to cause loss of life and significant damage. Dams that are regularly inspected have less chance of failure because potential problems can be identified early and resolved.	Annually (CY)	100%	Fair				72%	75%	65%	62%	65%
	B-29	Percent NPDES major facilities inspected.	Ensures proper wastewater treatment and protects surface waters (goal is a 5-year average).	Annually (FY)	40%	Good				44%	53%	38%		
	B-30	Percent NPDES minor facilities inspected.	Ensures proper wastewater treatment and protects surface waters (goal is a 5-year average).	Annually (FY)	20%	Fair				18%	18%	17%		
	B-31	Percent of industrial storm water facilities inspected.	Ensures proper wastewater treatment and protects surface waters (goal is a 5-year average).	Annually (FY)	20%	Poor				13%	20%	20%		
	B-32	Percent of new construction storm water facilities inspected.	Ensures proper wastewater treatment and protects surface waters (goal is a 5-year average).	Annually (FY)	20%	Excellent					20%	27%		
	B-33	Percent of municipal storm water facilities inspected.	Ensures proper wastewater treatment and protects surface waters (goal is a 5-year average).	Annually (FY)	20%	Good				18%	15%	12%		
	B-34	Percent of high priority groundwater permitted facilities inspected (2218 >1 million gallons per day).	Ensures proper wastewater treatment and protects surface waters (goal is a 5-year average).	Annually (FY)	40%	Poor					23%	19%		
	B-35	Percent of other priority groundwater permitted facilities inspected.	Ensures proper wastewater treatment and protects surface waters (goal is a 5-year average).	Annually (FY)	20%	Excellent					23%	17%		

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	B-36	Percent of NPDES inspection reports sent to permittee within 60 days.	Ensures proper wastewater treatment and protects surface waters.	Annually (FY)	100%	Fair				87%	82%	88%		
	B-37	Percent of groundwater inspection reports sent to permittee within 60 days.	Ensures proper wastewater treatment and protects surface waters.	Annually (FY)	100%	Excellent				98%	92%	91%		
	B-38	Percent total maximum daily loads developed on schedule.	Restores impaired waters.	Annually (FY)	100%	Excellent				100%	100%	100%	100%	100%
	B-39	Wetland identification program: number of express reviews completed within 20 days.	Important to provide wetland identification on a timely basis.	Annually (FY)	100%	Excellent				100%	100%	100%		
	B-40	Address public health and safety concerns reported to Aquatic Nuisance Control staff within 30 days.	Protection of public health and safety.	Quarterly	100%	Excellent	No winter treatments			100%	100%			
	B-41	Perform vegetation surveys to evaluate near-shore treatment (number of surveys).	Ensure protection of native aquatic plants.	Annually (FY)	10	Fair				4	10	4		
	B-42	Percent of biosolids land application site inspections that do not result in a violation notice.	Proper land application of biosolids and prompt correction of any deficiencies noted during an inspection minimizes potential impacts to public health and environment.	Annually (CY)	100%	Excellent					100%	-	-	-
	B-43	Percent of land/water (joint application) postconstruction compliance inspections conducted for permits issued during the previous year.		Annually beginning FY15 (FY)	10%					-	-	-	-	-
	B-44	Percent of very high, high, and moderate priority land/water interface complaints responded to within 30 days of receiving the complaint.		Annually beginning FY15 (FY)	100%					-	-	-	-	-
	B-45	Percent of conservation easements inspected annually.		Annually beginning FY15 (FY)	5%					-	-	-	-	-
	B-46	Water withdrawal permits: number of permits issued.		Annually (FY)						1	-	-	-	-

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	B-47	Water withdrawal permits: number of permits denied.		Annually (FY)						0	-	-	-	-
Financial	F-1	Percent expenditures within appropriated levels.	Staying within authorized budget is critical.	Quarterly	100%	Excellent	100%			100%	100%	100%	100%	100%
	F-2	Review box scores for all restricted revenue and financial Memorandums of Understanding (MOU) on a quarterly basis.	Ensure restricted fund and financial MOU balances are tracked and the WRD targets are met.	Quarterly	100%	Excellent	100%			100%	100%	100%		
	F-3	Ensure spending plans are developed for all federal grants and all federal grants are tracked according to the approved spending plan.	Fully spend federal grants according to the spending plan.	Quarterly	100%	Excellent	100%			100%	100%	100%		
	F-4	Percent of fees billed annually collected.	Ensure that funds that are due the state are properly collected in NPDES, storm water, and groundwater.	Annually (FY)	100%	Good				92%	91%	90%		
	F-5	Track WRD annual federal grant applications.	Ensure WRD meets deadlines for all federal grant applications.	Annually (FY)	100%	Excellent				100%	100%	100%		
	F-6	Track all pass thru grants.	Ensure funds are being fully utilized and the WRD is staying within authorized amounts.	Quarterly	100%	Excellent	100%			100%	100%	100%		
	F-7	Review staff time recorded in DCDS to ensure all funds are being fully utilized and activities recorded correctly.	Each manager review staff time reports to ensure staff are accurately reporting their time.	Quarterly	100%	Excellent	100%			100%	100%	100%		
	F-8	Statutorily required fee reports submitted.	Ensures funds are spent according to legislative approval and reporting requirements are met.	Annually (FY)	100%	Excellent				100%	100%	100%	100%	100%
	F-9	Number of audit findings unaddressed by end of fiscal year.	Minimize the number of audit findings to ensure proper financial conduct by WRD.	Annually (FY)	0	Excellent				0	0	0		
	F-10	Number of days to pay approved invoices from grantees.	It is important to grantees to be paid promptly.	Annually (FY)	14	Excellent				14	14			

