

PW - 080559

SOUTHEASTERN WISCONSIN REGIONAL PLANNING COMMISSION

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MEMORANDUM

TO: All Parties Who Received a Copy of SEWRPC Planning Report No. 50, *A Regional Water Quality Management Plan Update for the Greater Milwaukee Watersheds*

FROM: Michael G. Hahn, SEWRPC Chief Environmental Engineer

DATE: January 16, 2009

SUBJECT: TRANSMITTAL OF LIMITED REPORT REVISIONS

In 2008, you received a copy of SEWRPC Planning Report No. 50 (PR No. 50) entitled, *A Regional Water Quality Management Plan Update for the Greater Milwaukee Watersheds*, published in two parts and dated December 2007. In the course of preparing briefing materials for local endorsement of the plan, the SEWRPC staff noted that the costs to implement the plan recommendation calling for expanded oversight and maintenance of private onsite wastewater treatment systems (POWTS), which were assigned to the public sector in the report copy that you received, should have been assigned to the private sector. The capital costs relate to future replacement of POWTS that have reached the end of their useful life and the operation and maintenance costs relate to ongoing measures to ensure adequate functioning of existing POWTS. The change only affects assignment of the costs. Overall estimated plan implementation costs are unchanged.

The costs for this plan recommendation are set forth in Table 100 of Part 1 of PR No. 50 and in Appendix R of Part 2 of PR No. 50. That table and appendix have been revised to properly reflect the assignment to the private sector of the costs of expanded oversight and maintenance of POWTS, and the report copy published on the SEWRPC web site (sewrpc.org) now reflects those revisions. The plan summary document on the web site has also been revised to reflect these changes.

For those who received paper copies of PR No. 50, revised copies of the four-page Table 100 are enclosed. It is asked that you remove the original Table 100 on pages 691 through 694 of Part 1 and insert the enclosed "T cut" replacement table. A revised paper copy of the 64-page Appendix R is not enclosed. It is suggested that you attach a copy of this memorandum to Appendix R in your report copy.

For those who received compact disk copies of PR No. 50 and the plan summary, a revised CD, with a January 2009 revision date is enclosed. Please discard the original CD.

We would like to express our appreciation for your interest in and support for this important study, and we apologize for the inconvenience of incorporating the indicated revisions. Should you have any questions, please contact me at (262) 547-6722, extension 243, mhahn@sewrpc.org.

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MGH/pk
#142046 v1 - RWQMPU TABLE 100 AND APP R REVISION MEMO

Enclosure

Table 100

PRIVATE AND PUBLIC SECTOR COSTS FOR COMPONENTS OF THE RECOMMENDED REGIONAL WATER QUALITY MANAGEMENT PLAN UPDATE

Plan Element	Plan Subelement	Description	Component	Public Sector Capital Cost (thousands)	Public Sector Annual Operation and Maintenance Cost (thousands)	Private Sector Capital Cost (thousands) ^a	Private Sector Annual Operation and Maintenance Cost (thousands) ^a	Total Capital Cost (thousands)	Total Annual Operation and Maintenance Cost (thousands)
Surface Water Quality Plan Element	Point Source Pollution Abatement Plan Subelement	Public Wastewater Treatment Plants and Associated Sewer Service Areas	3. Implementation of the Village of Kewaskum WWTP Facilities Plan	\$ 3,440	\$ 97	--	--	\$ 3,440	\$ 97
			4. Prepare facilities plans for the Villages of Jackson and Newburg	200	--	--	--	200	--
			5. Prepare facilities plans for the City of Cedarburg and Village of Grafton, including consideration of merging operations into a single, regional treatment facility	175	--	--	--	175	--
			6. Prepare facilities plan for City of Racine and environs upon completion of amendment to sewer service area	250	--	--	--	250	--
			7. Capacity, Management, Operations, and Maintenance (CMOM) programs for municipalities outside of the MMSD service area	1,425	--	--	--	1,425	--
			8. City of West Bend Northwest Interceptor	4,091	3	--	--	4,091	3
			9. Force main from Waubeka in the Town of Fredonia to the Village of Fredonia sewerage system	1,549	11	--	--	1,549	11
			10. Ryan Creek interceptor sewer	51,386	70	--	--	51,386	70
			11. Implementation of MMSD 2020 Facilities Plan as Recommended under the RWCMPU	954,900	900	--	--	954,900	900
			12. Implementation of wastewater treatment plant upgrades for City of South Milwaukee	4,298	575	--	--	4,298	575

Table 100 (continued)

Plan Element	Plan Subelement	Description	Component	Public Sector Capital Cost (thousands)	Public Sector Annual Operation and Maintenance Cost (thousands)	Private Sector Capital Cost (thousands) ^a	Private Sector Annual Operation and Maintenance Cost (thousands) ^a	Total Capital Cost (thousands)	Total Annual Operation and Maintenance Cost (thousands)	
Surface Water Quality Plan Element (continued)	Nonpoint Source Pollution Abatement Plan Subelement	Recommended Rural Nonpoint Source Pollution Control Measures	2. Provide six months of manure storage for livestock operations	--	--	\$ 47,050	\$ 3,072	\$ 47,050	\$ 3,072	
			3. Prepare and/or implement nutrient management plans	--	--	1,526	1,308	1,526	1,308	
			5. Control barnyard runoff	--	--	2,280	--	2,280	--	
			6. Expand riparian buffers	--	--	1,747	389	1,747	389	
			7. Convert marginal cropland and pasture to wetlands and prairies	--	--	72,253	16,250	72,253	16,250	
			8. Restrict livestock access to streams	--	--	969	48	969	48	
			9. Manage milking center wastewater	--	--	3,799	83	3,799	83	
			10. Expand oversight and maintenance of private onsite wastewater treatment systems (POWTS)	--	--	113,660	663	113,660	663	
			Recommended Urban Nonpoint Source Pollution Control Measures	1. Implementation of the nonagricultural (urban) performance standards of Chapter NR 151	121,720	8,625	75,256	23,583	196,976	32,208
				2. Programs to detect and eliminate illicit discharges and control pathogens that are harmful to human health	19,524	--	--	--	19,524	--
3. Chloride reduction programs	499	1,496		--	--	499	1,496			
4. Implement fertilizer management programs	160	--		--	--	160	--			
5. Disconnect residential roof drains from sanitary and combined sewers and infiltrate roof runoff	--	--		22,171	350	22,171	350			
7. Beach and riparian litter and debris control	--	596		--	--	--	596			

Table 100 (continued)

Plan Element	Plan Subelement	Description	Component	Public Sector Capital Cost (thousands)	Public Sector Annual Operation and Maintenance Cost (thousands)	Private Sector Capital Cost (thousands) ^a	Private Sector Annual Operation and Maintenance Cost (thousands) ^a	Total Capital Cost (thousands)	Total Annual Operation and Maintenance Cost (thousands)
Surface Water Quality Plan Element (continued)	Instream Water Quality Measures Plan Subelement	Hydrologic and Hydraulic Management	1. Concrete channel renovation and rehabilitation	\$ 175,200	--	--	--	\$ 175,200	--
			2. Renovation of the MMSD Kinnickinnic River flushing station	3,400	\$ 600	--	--	3,400	\$ 600
			3. Dam abandonment and restoration plans	1,800	--	--	--	1,800	--
			5. Increase the dredged material storage volume of the Jones Island Confined Disposal Facility	3,500	12	--	--	3,500	12
				850	--	--	--	850	--
	Inland Lakes Water Quality Measures Plan Subelement	--	1. Lake management plans for 17 major lakes	--	120	--	--	120	
	Auxiliary Water Quality Management Plan Subelement	Public Beaches	2. Implement trophic state monitoring programs for 20 major lakes	--	120	--	--	--	120
1. Continue current public health monitoring programs and expand to all public beaches in the study area			--	31	--	--	--	31	
3. Continue and expand current beach grooming programs			--	710	--	--	--	710	
	Waterfowl Control		1. Implement programs to discourage unacceptably high numbers of waterfowl from congregating near beaches and other water features	--	165	--	--	--	165
			Water Pollution Control		1. Continue collection programs for household hazardous wastes and expand such programs to communities that currently do not have them	--	374	--	--
	Emerging Issues				2. Implement collection programs for expired and unused household pharmaceuticals	--	40	--	--

Table 100 (continued)

Plan Element	Plan Subelement	Description	Component	Public Sector Capital Cost (thousands)	Public Sector Annual Operation and Maintenance Cost (thousands)	Private Sector Capital Cost (thousands) ^a	Private Sector Annual Operation and Maintenance Cost (thousands) ^a	Total Capital Cost (thousands)	Total Annual Operation and Maintenance Cost (thousands)
Surface Water Quality Plan Element (continued)	Auxiliary Water Quality Management Plan Subelement (continued)	Water Quality Monitoring	2. Continue and possibly expand USGS stream gauging program	\$ 145	\$ 126	--	--	\$ 145	\$ 126
			3. Establish long-term water quality monitoring programs for areas outside of MMSD service area	--	156	--	--	--	156
			4. Establish long-term fisheries and macro-invertebrate monitoring stations	--	100	--	--	--	100
			5. Establish long-term aquatic habitat monitoring stations	--	59	--	--	--	59
			1. Continue maintenance of MMSD conveyance system modeling tools	--	15	--	--	--	15
Groundwater Management Plan Element	Plan Recommendations Related to Groundwater	Groundwater Recharge Areas	2. Continue maintenance of watershedwide riverine water quality models (LSPC) and Milwaukee Harbor estuary/nearshore Lake Michigan hydro-dynamic (ECOMSED) and water quality (RCA) models	--	15	--	--	--	15
			1. Extend groundwater recharge area mapping to those portions of the study area located outside of the Southeastern Wisconsin Region	25	--	--	--	25	--
			1. Extend mapping of groundwater contamination potential for shallow aquifers to those portions of the study area located outside of the Southeastern Wisconsin Region	25	--	--	--	25	--
Total				\$1,348,562	\$14,897	\$340,712	\$45,746	\$1,689,274 ^b	\$60,643 ^c

^a Some private-sector costs for rural nonpoint source pollution control measures may be offset by State or Federal grant funds.

^b Includes \$196,976,000 for implementation of the NR 151 urban standards. Eliminating that amount yields the \$1,492 billion capital cost for new measures recommended under the regional water quality management plan update.

^c Includes \$32,208,000 for implementation of the NR 151 urban standards. Eliminating that amount yields the \$28.4 million annual operation and maintenance cost for new measures recommended under the regional water quality management plan update.

Source: SEWRPC.