

Annual Level of Effort to Implement the New MS4 Permit  
Nov 17, 2014 - DRAFT

ARC core services

Application Item	Permit Elements	Large Community Level of Effort without ARC support		ARC Core Cost	Corresponding Member Effort ARC-wide	
		Labor Effort (hours)	Labor Cost (\$)**		Labor Effort (hours)***	Labor Cost (\$)**
<b>General</b>		-		\$0	-	\$0
	Update map of stormwater outfalls (assuming existing GIS layer)	20				
1	Tracking enforcement of ordinances	*				
<b>Public Education and Public Involvement</b>		<b>90</b>		<b>\$0</b>	<b>-</b>	<b>\$0</b>
2, 3	Obtain and incorporate public input into stormwater program	10		\$60,000	115	\$9,120
4 - 6	Educate the public on pollution prevention	80			920	\$72,960
<b>IDEP</b>		<b>285</b>		<b>\$0</b>	<b>-</b>	<b>\$0</b>
7 - 19	Screen outfalls and discharge points for illicit discharges to waterways (based on the screening of 50 outfalls). Includes data management	125		\$100,000	1,438	\$114,000
7 - 19	Investigate suspicious discharges and locate sources, as needed	80			920	\$72,960
20 - 27	Enforce IDEP ordinance and Oversight	40				
	Administrative tracking and follow-up	40				
<b>Construction Runoff Control</b>		<b>-</b>		<b>\$0</b>	<b>-</b>	<b>\$0</b>
28 - 30	Notify Part 91 agencies/MDEQ of soil erosion issues	*				
31 - 32	Notify developers of Part 91/Permit-by-Rule requirements	*				
<b>Post Construction Stormwater Control</b>		<b>490</b>		<b>\$0</b>	<b>-</b>	<b>\$0</b>
33 - 43, 53	Initially adopt standards and setup tracking and inspection program [7]	100				
44 - 52	Set-up and implement a offsite mitigation or payment in lieu program (optional)	N/A				
54 - 56	Review plans for compliance with stormwater standards [1]	42				
57 - 59	Inspect BMPs [2]	108				
59	Correct failing BMPs	variable				
	Administrative tracking and follow-up	240				
<b>Good Housekeeping/Pollution Prevention (GH/P2)</b>		<b>204</b>		<b>\$0</b>	<b>-</b>	<b>\$0</b>
60 - 62	Update map of structural controls that discharge stormwater	80				
63 - 64	Initially assess municipal facilities for potential impact to stormwater [3]	16				
65 - 70	Review/update/implement Facility Pollution Prevention Plans [4]	8				
71 - 81	Oversight of street sweeping, catch basin cleaning and maintenance of other controls	80				
71 - 81	Conduct street sweeping and catch basin cleaning and maintenance of other controls [5]					
82	Provide pesticide applicator training, if applicable	10				
83	Provide and coordinate employee training on GH/P2 [6]	10		\$5,000	115	\$9,120
84	Ensure contractor compliance with GH/P2 BMPs	*				
<b>TMDLs</b>		<b>80</b>		<b>\$0</b>	<b>-</b>	<b>\$0</b>
85 - 88	Conduct water quality monitoring and interpret results	80		\$60,000	920	\$72,960
<b>Reporting</b>		<b>40</b>		<b>\$0</b>	<b>-</b>	<b>\$0</b>
	Submit progress reports	40				
	Subtotal	1,209	\$97,000	\$225,000	4,428	\$360,000
	Program oversight	310	\$38,000	\$75,000	1,110	\$140,000
	Total	1,519	\$135,000	\$300,000	5,538	\$500,000

Assumptions

[1] Individual community: 4 hrs x 8 major plans plus 1 hr x 10 minor plans.

[2] Individual community: 6 hrs x 8 new major sites plus 2 hrs x 10 new minor sites plus 2 hrs x 20 existing sites.

[3] 75% previously completed by SEMCOG. If not, Individual community: 2 staff x 2 hrs x 4 facilities.

[4] Individual community: 2 hrs x 4 facilities.

[5]\$200,000 based on the 2013 budget for a 33 square mile community

[6] No charge for training video or attendance at a workshop

[7] Assume adoption of county standards

\*Effort included elsewhere

\*\*At \$80/hour or \$120/hour for oversight

\*\*\*Based on 11.4 Large Community Equivalents

Number of outfalls (not discharge points) by community:

Southfield has 256 outfalls per Brandy

Livonia has 725 outfalls per Don Rohraff. Average about 170 outfall inspections per year. 2012 IDEP effort = 430 hours per Paula Appel. This includes

15 days of field work, and data processing, tracking and organizing.

Farmington Hills has 200 outfalls per Karen

Westland has 250 outfalls per Kevin

Savings to Members: **\$200,000**