Maine MS4 Permit 2022-2027: Anticipated PY1 costs to complete IDDE and monitoring dry weather outfalls

Basis for estimates		1	1. # inspected	1	
		Number that	each year	2. # to be	
	- U		(100% piped,	monitored per	(just fyi, percent of total outfalls that are
1. and 2. Dry Weather Flow summary for Outfalls: Permit Year 8 Inspections - piped outfalls	all mapped outfalls 251	dry weather 78	20% ditch) 251	year (20%) 16	flowing) 31%
Used Permit Years 5, 6, 7 and 8 - ditch outfalls	117	30			26%
The Permit requirement is to sample all outfalls that are flowing o monitoring over the five year period, you will monitor 20% of the f				weather	
3. Prior Investigations summary for Outfalls		# in PY6	# in PY7	# in PY8	
How many outfalls were investgated for illicit discharges each year	ar in the following years:	8	7	6	
			Chaff Times	Expense/Cost	
Staff time or Third Party Expenses			Staff Time (hours)	(if by third party)	Discussion/notes
			, ,	,	Done by one staff member, inspect 100% piped
					each year and 20% ditch each year (274 outfalls).
	41-1			Includes time to do a Quality Control review of data	
 Outfall inspection time - Check your IDDE Plan for frequency of inspections. Enter staff time or here based on prior years' efforts. 			120	\$-	to ensure they inspected what they needed to, and that the data is right.
					Need to review with GIS Manager. Add more time
1. Update GIS data collection to reflect change in permit observation requirements - To be complet					if you are going to add your Monitoring data to your GIS.
Permit Year 1 inspections (Check your IDDE Appendix).			20	\$ -	
2. Staff Time to complete additional monitoring - takes ~1/2 hour per sample x 2 people plus preparation, transport					Extra staff time to help with monitoring. Take time
time to post office or lab each day, and time to evaluate and do data review and entry for GIS or filir Assume staff can sample 4-5 outfalls per day. We assumed 16 hours per 4 outfalls			86	\$-	to figure out which ones flow, and go to 4/day.
	•				Depends if you are setting up your own Haz waste
2. Staff time for hazardous waste management (if surfactant field test kit is used)					program, or using a program set up in another department. Estimate shown for setting up own
					program, then management and training are about
10 3. Illicit Discharge Investigative costs: Assume that 20% of your flowing outfalls will need some additional				\$-	~50 hours per year after that).
investigation each year, plus however many you would have bud	5				
monitoring. Depending on the contributing areas, this could requ					Add to capital budget to ensure sufficient funds that roll from year to year if not used.
sampling of flow into catch basins. Whatever you have budgeted costs, you may want to increase that number for subsequent yea		rr time and	60	\$-	, ,
4. Elimination of Illicit Discharges: Will mostly be by private entiti	es, but you may discover some n				Add to capital budget to ensure sufficient funds
infrastructure that needs repair/replacement or correction for the up and capital budget.	Illicit discharge. Include both staf	f time to follow	TBD	\$-	that roll from year to year if not used.
and 5. Ordinance Update: 2000 + 2010 Census, and source c	orrection within 60 days of identif	ication, unless			Work with Planning Board
an alternative "expeditious" schedule has been identified.			10	\$-	······································
 Keep IDDE Plan Current (annual review and update if needed) Keeping Stormwater Maps up to date - You should be tracking 	small changes by public works	and larger	8	\$-	
Keeping Stormwater Maps up to date - You should be tracking small changes by public works a changes designed by third party contractors with as-builts		and larger		\$-	Need to review with GIS Manager
Total Additional Staff Time			404.4	0	
	Neter	EstCost per	Number	0	
Total Additional Staff Time 2. Dry Weather Flow Monitoring Expenses Bacteria analysis - Cost is for either fecal coliform, e-coli or	Notes	EstCost per unit			Link for purchase
2. Dry Weather Flow Monitoring Expenses Bacteria analysis - Cost is for either fecal coliform, e-coli or enterococci at a commercial lab such as Maine Environmental		unit	Number needed	0 PY1	
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