CUMBERLAND TOWNSHIP MUNICIPAL SEPARATE STORM SEWER SYSTEM (MS4)

TOWNSHIP STAFF MEETING & TRAINING November 18, 2019

- 1. Introductions
- 2. MS4 Recap
 - Law Clean Water Act (1972)
 - NPDES Permit
 - > April 30, 2018 March 15, 2023
 - Annual Report due September 30 for reporting period July 1 June 30
 - Mapping
 - > Watersheds
 - > Storm Sewersheds
- 3. Minimum Control Measures (MCM's)
 - MCM #1: Public Education & Outreach
 - Meetings/Workshops
 - Distribute Materials
 - o Website
 - o Township Building
 - MCM #2: Public Involvement & Participation
 - Meetings/Workshops
 - > Stream Cleanups
 - > Stenciling Storm Drains
 - MCM #3: Illicit Discharge, Detection & Elimination
 - Periodic Inspections
 - > Reporting/Complaint Form
 - MCM #4: Construction Site Stormwater Runoff Control
 - > E&S Plans
 - > Periodic Inspections
 - > ACCD Inspections

- MCM #5: Post-Construction Stormwater Management
 - Periodic Inspections
 - > O&M Procedures/Agreements
 - > Inspection/Complaint Form
- MCM #6: Pollution Prevention & Good Housekeeping
 - > O&M Plan
 - > Spill Cleanup
 - > Material Storage
 - > Street Sweepings

4. Going Forward

- Filing System
- Publish/Post Materials
- Municipal Operations O&M Plan
- Future Training Opportunities
 - > MCM Review
 - > BMP O&M
- 5. Questions?

KPI Technology Sample Website Information

Cumberland Township Website Information

Cumberland Township is required to obtain a stormwater discharge permit under the National Pollutant Discharge permit under the National Pollutant Discharge Elimination System (NPDES) from the PA Department of Environmental Protection (DEP). The permit requires the Municipality to take certain steps to ensure that the storm water is properly managed and controlled. The permit also requires that the Municipality educates the public about storm water impacts and provide opportunities for the public to get involved and participate in program events.

What is MS4?

MS4 stand for Municipal Separate Storm Sewer Systems it occurs from rain, snow melt, and storm water that travel over land. Stormwater is carried through municipal separate storm sewer drainage system (MS4) and drains to several watersheds. Watershed is an area that drains into river, streams, ponds, wetlands, and other bodies of water.

Why is Storm Water Important?

Stormwater becomes a problem when it picks up debris, chemical, dirt, and other pollutant as it flows or when in causes flooding and erosion of stream banks. All of the pollutants storm water carries along the way empties directly into bodies of water because it is not treated. Stormwater threatens our rivers, streams, ponds, and other water bodies. We rely on our rivers, and streams for drinking, recreation and to support wildlife.

DEP MS4 Permit?

Small MS4s required to obtain permit coverage, applying under the new 2018 NPDES General Permit for Stormwater Discharges from Small MS4s (PAG-13) (3800-PM-BCW0100) that will be effective starting March 16, 2018. Small MS4s that are ineligible for PAG-13 General Permit coverage may apply for an individual permit (3800-PM-BPNPSM0200). Permit coverage is generally for 5-year terms. The applicant must submit a "Notice of Intent" (NOI) to discharge under the statewide General Permit at least 180 days prior to expiration of coverage. The permit is a general outline of how a Township will reduce its stormwater impact.

Permit requirements:

- Notice of Intent (NOI)
- Minimum Control Measures (MCMs)
 - o MCM #1 Public Education and Outreach
 - o MCM #2 Public Involvement and Participation
 - o MCM #3 Illicit Discharge, Detection, and Elimination
 - MCM #4 Construction Site Stormwater Runoff Control

KPI Technology Sample Website Information

- MCM #5 Post Construction Stormwater Management
- MCM #6 Pollution Prevention and Good Housekeeping
- Pollutant Reduction Plan (PRP)
- Annual Reporting
- Mapping

How can residents help?

- Remember, only rain goes down the drain. Do not dump anything down storm strains and keep them clear of debris.
- Wash your car over your lawn or gravel.
- · Minimize your use of lawn and garden chemicals.
- Minimize the use of salt-melt.
- Install a rain barrel or cistern to capture roof runoff.
- Clean up trash and yard clipping.
- Homeowners Guide: http://chesapeakestormwater.net/wp-content/uploads/downloads/2013/07/CSN-Homeowner-Guide 062713.pdf

For more MS4 ideas and information, visit DEP's and EPA's websites at

 $\frac{\text{http://www.dep.pa.gov/Business/Water/CleanWater/Stormwater/Mgmt/Stormwater/Pages/default.asp}{\underline{\mathsf{x}}}$

https://www.epa.gov/npdes/stormwater-discharges-municipal-sources



COMMONWEALTH OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION BUREAU OF CLEAN WATER

MS4 OUTFALL FIELD SCREENING REPORT

	BACK	GROUND	INFORMATIC	N	
Permittee Name:			NPDES Permit	No.: PA	
Date of Inspection:			Outfall ID No.:	***	
Land Uses in Outfall [Orainage Area (Select All):		Latitude:		11
☐ Industrial	☐ Urban Resident	ial	Longitude:		"
☐ Commercial	☐ Suburban Resid	lential	Dry Weather Ins	spection?	☐ No
☐ Open Space	Other:		Date of Previou	s Precipitation:	
			Amount of Prev	ious Precipitation:	in
Inspector Name(s):			Were Photograp	ohs Taken?	☐ No
			Are Photograph	s Attached?	☐ No
	OU	TFALL DE	ESCRIPTION		
TYPE	MATERIAL	S	HAPE	DIMENSIONS	SUBMERGED
☐ Closed Pipe	☐ RCP ☐ CMP	☐ Circula	r 🗌 Single	Diameter: in	☐ In Water
	☐ PVC ☐ HDPE	☐ Elliptica	al Double		☐ With Sediment
	☐ Steel ☐ Other	□ Вох	☐ Triple		
		☐ Other	☐ Other		
☐ Open Channel	☐ Concrete	☐ Trapez	oid	Depth: in	
	☐ Earthen	☐ Parabo	olic	Top Width: in	
	☐ Rip-Rap	☐ Other		Bottom Width:	
	Other		~~		
Dry Weather Flow Pre	esent at Outfall During Insp	ection?	Yes No (If	No, skip to Certificatio	n Section)
Description of Flow Ra	ate: 🗌 Trickle 🗌 Mode	erate 🗌 Si	ignificant 🔲 N/A	A	
	DRY WE	ATHER FL	OW EVALUA	TION	
Does the dry weather	flow contain color?	es 🗌 No	If Yes, provide a	description below.	
Does the dry weather	flow contain an odor?	Yes 🗌 N	lo If Yes, provide	e a description below.	
Is there an observed of If Yes, provide a desc	change in the receiving war ription below.	ters as a res	ult of the discharg	ge? Yes No	
Does the dry weather If Yes, provide a desc	flow contain floating solids ription below.	s, scum, shee	en or substances	that result in deposits?	Yes No

Were sample(s) collected	of the dry weatl	ner flow? Y	es 🗌 No (If Yes, No. Sa	amples:)	
	FII	ELD / LABOR	RATORY ANALYSIS		
PARAMETER	RESULTS	UNITS	PARAMETER	RESULTS	UNITS
Flow Rate		GPM	Fecal Coliform		No./100 mL
рН		S.U.	COD		mg/L
Total Residual Chlorine (TRC)		mg/L	BOD5		mg/L
Conductivity		µmhos/cm	TSS		mg/L
Ammonia-Nitrogen		mg/L	TDS		mg/L
Other:			Oil and Grease		mg/L
Other:			Other:		
Is the dry weather flow an	_	?			
Describe corrective action	s taken by the p	permittee in resp	onse to the finding of an illid	cit discharge.	
Inspector Comments:					
	RESPO	ONSIBLE OF	FICIAL CERTIFICATION	ON	
accordance with a system submitted. Based on my if for gathering the informat complete. I am aware that	n designed to as inquiry of the pe ion, the informa at there are sign	ssure that qualifi erson or persons ition submitted i ificant penalties	ttachments were prepared used personnel properly gath who manage the system os, to the best of my knowles for submitting false informatic. C.S. § 4904 (relating to unse	ered and evaluated r those persons dire edge and belief, true ation, including the p	d the information ectly responsible e, accurate, and
Responsible Official Name	9		Signature		
Telephone No.			Date		

CITIZEN COMPLAINT ILLICIT DISCHARGE REPORTING FORM

Name:	Conta	act Phone Number:	
Date:	Time	Discharge Discovered:	
Date of Last Rain Event: _		Estimated Quantity of R	ain: in.
LOCATION OF DISCHARG reference):	SE (indicate nearby street i	intersections, addresses, ar	nd/or landmarks for
WHERE WAS DISCHARGE	FOUND? OPEN DITCH	STREAM PIPE OUTFAL	L OTHER:
WAS WATER FLOW OBSE	ERVED?	NO YES	
WAS FLOW SOLID OR PU	LSING?	SOLID PULSING	
WAS A PHOTO TAKEN?	NO YES	(Please attach a copy to for	m)
ODOR: NONE MU	STY SEWAGE ROT	TEN EGGS SOUR MILK	OTHER:
COLOR: CLEAR REI	D YELLOW BROW	N GREEN GREY	OTHER:
CLARITY: CLEAR C	CLOUDY OPAQUE		
WAS THERE AN:	OILY SHEEN GARBAGE/SEWAGE OTHER:	YES NO YES NO	
ADDITIONAL INFORMATIO	ON TO ASSIST IN THE INV	ESTIGATION:	
Follow up Investigation (to b	e completed by CCD staff) INSPECTOR NAME		
FIELD ANALYSIS: WATER TEMP: pH: PHENOL:	°F / °C mg/l		mg/l mg/l mg/l
WAS A LABORATORY SA (if yes attach copy of chain-of COMMENTS:		NO YES	
DATA SHEET FILLED OUT	「BY: (signature):		DATE:
Additional notes to file:			
Follow-up with Complainant			

Illicit D	ischarge Detection and Elimination Plan	Checklist
Enforcement Level	Details	Responsibility
Level I – Outreach	 ☐ Site Visit to verify complaint. ☐ Provide education materials and discharge specific materials. ☐ Encourage voluntary compliance ☐ Request evidence of compliance ☐ Site visit to verify compliance Additional Comments: 	Township Manager
Level II – Written Warning	 □ Send "Letter of Violation" to property owner □ Set second compliance date □ Encourage additional voluntary compliance □ Request evidence of compliance □ Site visit to verify compliance Additional Comments: 	Township Manager
Level III – Action	 □ Send second "Letter of Violation" to property owner □ The Township may correct the problem and bill cost to property owner □ Outline future non-compliance considerations with property owner Additional Comments: 	Township Manager/ Engineer

	Illicit Discharge Colors Guide	
Color	Possible Sources	
Brown	 Construction Meat Printing facilities Concrete, Stone, Clay, and/or Glass cutting 	
Green	 Chemical plants, textiles Algae or plankton bloom Antifreeze (fluorescent green) Fertilizer 	
Gray to White	 Dairy/Food Processor Sewage Concrete wash-out 	
Milky White	 Paint, lime, grease, concrete Swimming pool filter backwash Concrete wash-out Stone cutting 	
Red	Meat packing / Processing	
Red, Purple, Blue, Black	Fabric dyesInks from paper and cardboard manufacturing	

Illicit Discharge Tracking Sheet

Date Investigation Resolved or Closed:						
Results & Follow-up of Investigation: Outcome of Actions taken and any necessary follow-up (what was done)						
Actions to be Taken: Who, What, When, and How(what should be done)						
Description of Discharge: E.g. – dumping, wash water suds, oil, etc.						
Location of Discharge: If known- lat/log, stream address or outfall #, nearby landmark, etc.						
Report Initiate by: Phone, drop-in, contact information, etc.						
Date Illicit Discharge Observed & Reported						

Illicit Discharge Identification Guidance

		ilicit Discharge lui	circinoaci	on Garaanice	•
Job Site – Address, contact, etc.	Color (see Color Guidance)	Turbidity – Score 1 Slight Cloudiness 2 Cloudy, difficult to see through the water 3 Opaque, cannot see through the water	Floatables 1 Few/slight 2 Moderate 3 Severe	Odor 1 Odor is faint 2 Moderate Odor 3 Strong	Tips: (1) Make sure the origin of the odor the outfall pipe. (2) Never inhale directly over the suspect area.
				-	

Construction Site Reporting Form

Name of Complainant:				_ Phone Number	er:	<u>_</u>
Municipality:			Address o	f Construction S	ite:	
Date of Most Recent Rai	n Event	:		Date/Time of	of Inspection	:
County Conservation Dis	strict w/J	lurisdiction	on:			
On-Site Observations	Q	Descri	ption			Location
Inadequate BMPs						
Silt Fence						
Construction Entrance						
Straw Bales						
Seeding/Landscaping		_				
Sediment Traps						
Inlet Protection						
Outlet Protection						
Oddot i Totodion		_				
Housekeeping						
Trash/Litter				1000		
Construction Debris						
Spills of hazardous						
materials						
On-site erosion						
Off-Site Observations	-	Descri	ntion			Location
		Boom				Location
Mud/dirt on roads						
Muddy ditch/stream						
Blowing dust						
Trash/Litter						
Oily sheen in stream						
Construction debris						
Compliance/Enforcemen	t (to be	complete	ed by CCD staff)			
Date of Inspection			me	Inspector		
Description of Inspection	Finding	IS				
				3000000		
Enforcement Action	//N	Da	ate(s):			
			erbal Notice		Notice of V	iolation
			dministrative Action		Civil Penal	
			ther (describe)			-
Additional notes to file:		'				
Follow-up with Complain:	ant:					

MCM #6: Good Housekeeping for Municipal Operations

MCM #6 requires MS4s to prepare an inventory of municipal facilities and activities, and to develop a stormwater "Operations & Maintenance content of both will vary depending on the particular facilities/activities in the municipality. MS4s nevertheless requested advice on how the requirement could be satisfied. DEP prepared the attached model O&M Plan in response. Note that the model assumes preparation of both Plan" for each facility/activity on the inventory. There is no particular required format for the inventory or the O&M Plan, and the specific 'BMP #1" (the inventory) and "BMP #2" (which provides details as an attachment for each facility/activity listed in the inventory).

MS4s that choose to use the model should list the facilities/activities in their municipality on the inventory, which may be much different than facilities/activities on the inventory, which may also be much different than what is on the model. The model should therefore be considered what is on the model. The details on the "attachments" should reflect the stormwater pollution hazards associated with the particular conceptual, and therefore in need of whatever adjustment is necessary to make it appropriate to the particular MS4. See below.

BMP #1: Inventory of Facilities/Activities

Public works yard inlets, piping, basin Spring Cre Streets inlets, swales Spring and SW conveyances pipes, swales, ditches Spring and Buildings inlets, rain gardens Spring Cre Parking lots inlets Spring and Wastewater Spring Cre plant swale Spring Cre	Isin Spring Creek	oil management, inlets, fueling, vehicle wash water sweeping, inlets	3 2 1
rks yard inlets, piping, basin inlets, swales yances pipes, swales, ditches inlets, rain gardens ts inlets inlets swale ser swale		oil management, inlets, fueling, vehicle wash water sweeping, inlets	1 2 3
rks yard inlets, piping, basin inlets, swales yances pipes, swales, ditches inlets, rain gardens ts inlets inlets swale swale		water sweeping, inlets	3 2 3
yances pipes, swales yances pipes, swales, ditches inlets, rain gardens ts inlets inlets ser swale	Spring and Trout Creek	sweeping, inlets	3 8
yances pipes, swales, ditches inlets, rain gardens ts inlets inlets ser swale			ĸ
inlets, rain gardens ts inlets inlets ser swale	tches Spring and Trout Creek	cleaning	
ts inlets inlets ser	ens Spring Creek	inlets, rain gardens	4
inlets swater swale	Spring and Trout Creek	inlets	5
swater swale	Spring and Trout Creek	inlets	9
swale			
	Spring Creek	chemicals, vehicles, maintenance area, sludge	7
***N/A outside the Borough:	the Borough:		
Provide information to	tion to		
Transfer station Clearview Township***	ship***		

BMP#2: O&M Actions (Detail)

Attachment #1: Public Works Yard

(Contact: John Smith, Yard Manager)

Make sure they are up and effective. Store oil to minimize container leaks and allow cleanup of any that occur. Work inside. Minimize use of solvents. Eliminate leaks in vehicles and equipment, use drip pans temporarily. Have Spill Prevention Control and Countermeasure (SPCC) Plan up to date. Stockpile of spill cleanup materials in plan sight. Recycle used oil. Temporarily store under cover. Check oil separator (monthly). Haul to landfill. Ensure tanks are sound, have overflow protection, are protected from vehicle and forklift damage. Label valves. Nozzles have auto shutoff. Auto shutoff for severed hoses. Secondary containment. Concrete fueling pad. Overhang roof structure. Spot-clean leaks and clean up used absorbent. Label drains to indicate where they flow. Report leaking vehicles. Wash on grassy area or take to commercial car wash most of the time. Collect and dispose of vehicle wash water when chemical additives, solvents or degreasers are used. Allow no wash water to enter storm sewer or stream. Use grift mix suited to ambient temperature to minimize salt use Keep rain off stored salt Calibrate spreaders Haul and stored salt Calibrate spreaders Haul and store salt in dry weather Swenon in soills around storage-floadine area	Responsibility	When and	Actions	S	Additional
ntt Daily o Store oil to minimize container leaks and allow cleanup of any that occur. No Minimize use of solvents. Eliminate leaks in vehicles and equipment, use drip pans temporarily. No Minimize use of solvents. Eliminate leaks in vehicles and equipment, use drip pans temporarily. Have Spill Prevention Control and Countermeasure (SPCC) Plan up to date. Stockpile of spill cleanup materials in plain sight. Check oil separator (monthly). Each fall o Haul to landfill. Daily o Ensure tanks are sound, have overflow protection, are protected from vehicle and forklift damage. O Nozates have auch solving. Auto shutoff for severed hoses. Secondary containment. O Overhang roof structure. O Overhang roof structure. Sport-clean leaks and clean up used absorbent. Label drains to indicate where they flow. Report-leaking vehicles. O Wash on grassy area or take to commercial car wash most of the time. Collect and dispose of vehicle wash water when chemical additives, solvents or degreasers are used. Allow no wash water to enter storm sewer or steam. O Sport-dead additives, solvents or degreasers are used. Allow no wash water of reterent. O Sport-dead prains to indicate where they flow. A Report leaking vehicles. O Use grift mix suited to a risk to commercial car wash most of the time. Collect and dispose of vehicle wash water when chemical additives, solvents or degreasers are used. Allow no wash water to enter storm sever or steam. O Sport-dead storm sail for dy weather O Shaper and store sail find by weather O Shaper and store sail find by weather		How Often?			Considerations
Daily Work inside Work inside Daily Work inside Minimize used solvents. Each fall Check oil separator (monthly). Each fall Check oil separator (monthly). Daily Check oil separator (monthly). Each fall Check oil separator (monthly). Daily Check oil separator (monthly). Each fall Check oil separator (monthly). Daily Check oil separator (monthly). Check oil separator (mon	Signage (for each activity below)	Quarterly	0	Make sure they are up and effective.	Keep a spare of all signs
Work in side.	Fluids Management	Daily	0	Store oil to minimize container leaks and allow cleanup of any that occur.	Applies to oil, coolant,
o Minimize use of solvents. o Eliminate leaks in vehicles and equipment, use drip pans temporarily. o Have Spill Prevention Control and Countermeasure (SPCC) Plan up to date. Stockpile of spill cleanup materials in plain sight. o Recycle used oil. Temporarily store under cover. o Check oil separator (monthly). Daily o Ensure tanks are sound, have overflow protection, are protected from vehicle and forklift damage. o Check oil separator (monthly). o Label valves. O Correcte fulling pand. o Overhang roof structure. o Spot-clean leaks and clean up used absorbent. o Daily o Wash on grassy area or take to commercial car wash most of the time. Collect and dispose of vehicle wash water when chemical additives, solvents or degreasers are used. Allow no wash water to enter storm sewer or stream. c Calibrate spreaders o Report leaking to indicate where the mperature to minimize salt use o Stream. c Calibrate spreaders o Calibrate spreaders o Haul and store salt in dry weather o Haul and store salt in dry weather		S	0	Work inside.	solvents. Fuel is separate,
bailty being the leaks in vehicles and equipment, use drip pans temporarily. have spail Prevention Control and Countermeasure (SPCC) Plan up to date. Stockpile of spill cleanup materials in plain sight. Check oil separator (monthly). Check oil separator (monthly). Daily charles have autor shutoff. Auto shutoff for severed hoses. Secondary containment. Concrete fueling pad. Overhang roof structure. Soorchean leaks and clean up used absorbent. Label drains to indicate where they flow. Daily charles spreaders and clean up used absorbent. Daily water when chemical additives, solvents or degreasers are used. Allow no wash water to enter storm sewer or stream. Daily charles spreaders Calibrate spreaders Calibrate spreaders Hand and store salt in dry weather Check oil separator (monthly). Concrete fueling pad. Concrete fueling p			0	Minimize use of solvents.	below.
have Spill Prevention Control and Countermeasure (SPCC) Plan up to date. Stockpile of spill cleanup materials in plain sight. Each fall o Check oil separator (monthly). Daily c Ensure tanks are sound, have overflow protection, are protected from vehicle and forklift damage. Label valves. Nozzles have auto shutoff for severed hoses. Nozzles have auto shutoff for severed hoses. Nozzles have auto shutoff for severed hoses. Concrete fueling pad. Overhang roof structure. Spot-clean leaks and clean up used absorbent. Label drains to indicate where they flow. Report leaking vehicles. Daily water when chemical additives, solvents or degreasers are used. Allow no wash water to enter storm sewer or stream. Calibrate spreaders			0	Eliminate leaks in vehicles and equipment, use drip pans temporarily.	
Each fall o Check oil separator (monthly). Each fall o Haul to landfill. Daily c Ensure tanks are sound, have overflow protection, are protected from vehicle and forklift damage. O Label valves. O Secondary containment. O Concrete fueling pad. O Overhang roof structure. O Spot-clean leaks and clean up used absorbent. Daily o Wash on grassy area or take to commercial car wash most of the time. Collect and dispose of vehicle wash water when chemical additives, solvents or degreasers are used. Allow no wash water to enter storm sewer or stream. Daily o Use grit mix suited to ambient temperature to minimize salt use O Calibrate spreaders O Swep un to stills around storaep/loading area			0	Have Spill Prevention Control and Countermeasure (SPCC) Plan up to date. Stockpile of spill cleanup materials in plain ciaht	
Each fall o Haul to landfill. Daily o Ensure tanks are sound, have overflow protection, are protected from vehicle and forklift damage. Nozzles have auto shutoff. Auto shutoff for severed hoses. Secondary containment. Concrete fuelling pad. Overhang roof structure. Spot-clean leaks and clean up used absorbent. Label drains to indicate where they flow. Report leaking vehicles. Mash on grassy area or take to commercial car wash most of the time. Collect and dispose of vehicle wash water when chemical additives, solvents or degreasers are used. Allow no wash water to enter storm sewer or stream. Daily o Use grit mix suited to ambient temperature to minimize salt use Calibrate spreaders Calibrate spreaders Haul and store ast in ndry weather Mann and store ast in ndry weather			C	Recycle used oil. Temporarily store under cover.	
Each fall o Haul to landfill. Daily o Label valves. Nozzles have auto shutoff. Auto shutoff for severed hoses. Nozzles have auto shutoff. Auto shutoff for severed hoses. Concrete fueling pad. Overhang roof structure. Overhang roof structure. Neptor leaking vehicles. Report leaking vehicles. Daily o Wash on grassy area or take to commercial car wash most of the time. Collect and dispose of vehicle wash water when chemical additives, solvents or degreasers are used. Allow no wash water to enter storm sewer or stream. Daily o Use grit mix suited to ambient temperature to minimize salt use Calibrate spreaders Calibrate spreaders Allow no wash water to enter storm sewer or stream. Calibrate spreaders			0	Check oil separator (monthly).	
Daily o Ensure tanks are sound, have overflow protection, are protected from vehicle and forklift damage. Label valves. Nozales have auto shutoff. Auto shutoff for severed hoses. Concrete fueling pad. Overhang roof structure. Spot-clean leaks and clean up used absorbent. Label drains to indicate where they flow. Label drains to indicate where they flow. Nash on grassy area or take to commercial car wash most of the time. Collect and dispose of vehicle wash water when chemical additives, solvents or degreasers are used. Allow no wash water to enter storm sewer or stream. Salt and Grit Daily o Use grit mix suited to ambient temperature to minimize salt use Calibrate spreaders Haul and store salt in dry weather Calibrate spreaders Haul and store salt in dry weather Calibrate spreaders Haul and store salt in dry weather	Clean Catch Basin	Each fall	0	Haul to landfill.	Check after each major
h Water Daily 0					storm (> 3")
d Grit Daily	Fuel	Daily	0	Ensure tanks are sound, have overflow protection, are protected from vehicle and forklift damage.	
d Grit Daily			0	Label valves.	
d Grit Daily			0	Nozzles have auto shutoff. Auto shutoff for severed hoses.	
d Grit Daily			0	Secondary containment.	
d Grit Daily			0	Concrete fueling pad.	
d Grit Daily			0	Overhang roof structure.	
d Grit Daily			0	Spot-clean leaks and clean up used absorbent.	
d Grit Daily 0			0	Label drains to indicate where they flow.	
d Grit Daily 0			0	Report leaking vehicles.	
Daily	Wash Water	Daily	0	Wash on grassy area or take to commercial car wash most of the time. Collect and dispose of vehicle wash	
Daily			-	water when chemical additives, solvents or degreasers are used. Allow no wash water to enter storm sewer	
Daily 0				or stream.	
Keep ra Calibra Haul ar	Road Salt and Grit	Daily	0	Use grit mix suited to ambient temperature to minimize salt use	
Calibra Haul ar			0	Keep rain off stored salt	
Haul ar			0	Calibrate spreaders	
Sween			0	Haul and store salt in dry weather	
			С	Sweep up spills around storage/loading area	

Attachment #2: Streets

Contact: Dusty Rhodes, Streets Superintendent

Signage (for each	Daily		
activity below)			
Street Sweeping	Do twice in spring,	o Post no-parking signs for street sweeping	
	mid-summer and		2
	fall.		*0
	Check signs in		
	spring.		
Storm Inlets	Inspect after each	landfill	Use Boy Scouts for stencils
	heavy rain.	o Maintain stencils on inlets.	
	Clean inlets in fall,		
	additionally if		
	clogged		

*Provide similar details for Attachments #3-8.

*IDDE and Staff training are additional, separate efforts.

*Report satisfaction of above in Annual Reports to DEP.

*Keep record of issues (like spills that were identified, cleaned up and repeats prevented). Don't try to say you never have spills.

Food for thought: A simple list of actions specifically tailored to the municipality, with an identified responsible party, is better than glossy generic materials that do not describe what you actually do and who is responsible for it.



Bureau of Waste Management

Disposal/Reuse of Street-Sweeping Debris and Antiskid

Street sweepings consist of antiskid (cinders, coal (bottom) ash, rock, and sand), salt, leaves, plastic, broken glass, small pieces of metal, litter and debris. Sweepings are removed from streets, parking lots and sidewalks to improve the appearance and safety of public roadways and prevent pollution of local waterways.

Municipalities are able to reuse antiskid provided that it is screened to separate all non-reusable debris, such as silt, trash, litter, leaves, etc., from the reusable antiskid material and visually checked for contaminants, staining or odors. If the visual examination shows no staining, odors or other evidence of contaminants, the antiskid may be managed as clean fill and used in an unrestricted manner, including the following:

- Reuse as antiskid.
- Remixed with new salt mixture for winter application to roads.
- As the sub-grade beneath a paved municipal road or parking lot.
- For filling potholes.
- As shoulder repair material along roads within the municipally or privately owned public rightof-way.
- Other fill.

If the visual examination shows staining, odors or other evidence of contaminants, the antiskid material must be tested to determine if it qualifies as clean fill. Testing must be performed in accordance with Appendix A of the <u>Management of Fill policy (Document No. 258-2182-773)</u>. If testing reveals that the antiskid material contains regulated substances at concentrations that exceed the limits in Tables FP-1a and 1b, the material may be managed as regulated fill, provided the person proposing to use the material obtains authorization under Waste Management General Permit WMGR096. Otherwise, the material must be disposed of at a permitted landfill.

All non-reusable debris that has been removed from the antiskid, as well as catch-basin material, must be disposed of at a landfill. For additional information, please contact the Bureau of Waste Management, Division of Municipal and Residual Waste, at 717-787-7381.