



Only Rain in the Storm Drain

AZPDES - MSGP STORM SEMINAR

VISUAL ASSESSMENTS

Lisa Spahr Engineering and Environmental Consultants, Inc.





Requirement MSGP Section 4.2 – Visual Assessment of Stormwater Discharges

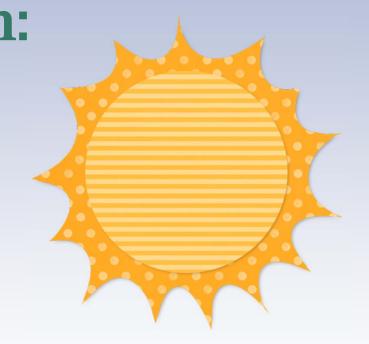






Assessment Frequency

Two per wet season: Summer June 1-October 31



Winter November 1 – May 31





Procedures

- Clean, clear glass, or plastic container, and examined in a welllit area
- Collected within the first 30 minutes of discharge
- On discharges at least 72 hrs from previous discharge







Characteristics

Color	Settled Solids
Odor	Suspended Solids
Clarity	Foam
Floating Solids	Oil Sheen
Other obvious indicators of pollution	





Color







Odor

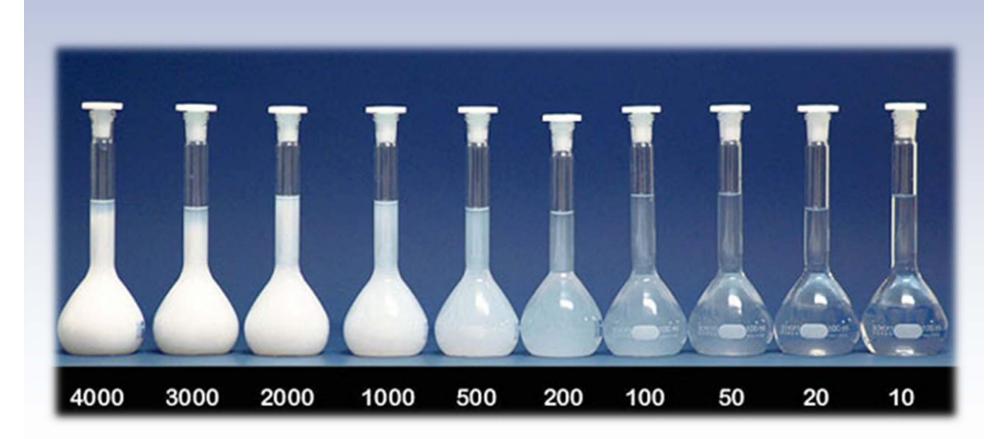
Debris Sewage Blockage







Clarity







Solids

Floating
Settled
Suspended







Foam









Oil Sheen







Other Obvious Indicators of Pollution









Exceptions Absence of discharge Adverse conditions Substantially identical outfalls







Exceptions (cont.) Inactive and unstaffed sites Only applies to facilities without exposed materials and activities No exemptions from sector-

from sectorspecific requirements!







Documentation Location(s) Date & time of collection Name & signature of personnel performing

assessment





Documentation (cont.) Results of observations Probable sources of any observed contamination Reason not assessed w/in first 30 min (if applicable)

SWPPP VISUAL ASSESSMENT FORM GYNORMOUS INDUSTRIAL FACILITY

DUTFALL ID NUMBER	
INSPECTOR(S) INFORMATION Summer 1 Summe	r 2 Winter 1 Winter 2 Year: 20
INSPECTOR NAME:	INSPECTION DATE: INSPECTION TIME:
INSPECTOR SIGNATURE:	-
VEATHER INFORMATION	
Clear Cloudy Raining	Last rain event: 🔲 more than 72 hrs ago 🗌 w/in 72 hrs
Sample Collected: during discharge w/in 30 min	30 min - 60 min 🔲 60 min +
f no sample collected, or not collected within 30 min, explain:	absense of discharge 🔲 adverse conditions 🗌 inactive/unstaffed si
SAMPLE OBSERVATIONS	
Description	Severity
COLOR	1 - Faint 2 - Clearly Visible 3 - Obvious
DDOR sewage rancid/sour gas other:	1 - Faint 2 - Easily Detected 3 - Noticeable from a distance
CLARITY 🗌 clear 🗌 turbid	1 - Slightly cloudy 2 - Cloudy 3 - Opaque
FLOATING SOLIDS 🗌 Sewage 🗌 Algae 🗌 other:	🗌 1 - Sparse 🔲 2 - Intermittent 🗌 3 - Dense
SETTLED SOLIDS 🛛 present 🗌 absent	🗌 1 - Sparse 🗌 2 - Intermittent 🗌 3 - Dense
SUSPENDED SOLIDS 📋 present 🗌 absent	1 - Sparse 2 - Intermittent 3 - Dense
FOAM present absent	🗌 1 - Partial 🔲 2 - Complete
DIL SHEEN 🗌 present 🗌 absent	🗌 1 - Partial 🔲 2 - Complete
OTHER OBSERVATIONS	
Note: Normal stormwater samples are light brown and slightly cloudy	Such samples will not be investigated for pollutant source.
SAMPLE INFORMATION	
COLLECTION DATE: COLLECTION TIME:	ANALYSIS DATE: ANALYSIS TIME:
PROBABLE SOURCES:	
FOLLOW UP ACTIONS:	
NSPECTOR SIGNATURE	DATE / TIME COMPLETE
o assure that qualified personnel properly gathered and evaluated the informa- system, or those persons directly responsible for gathering the information, th	epared under my direction or supervision in accordance with a system designe ation submitted. Based on my inquiry of the person or persons who manage t e information submitted is, to the best of my knowledge and belief, true, bmitting false information, including the possibility of fine and imprisonment for
Name:	





Normal Stormwater Sample!







Questions







For more information on the materials in this presentation contact:

Lisa Spahr Engineering and Environmental Consultants, Inc (EEC) 602-248-7702 x7314 LSpahr@eecphx.com