	Department – Environmental	**SOP #**	ENV-EES-20
		Revision	**#2**
		Implementation Date	6/16/2021
Page #	1 of 5	**Last Reviewed/Update Date**	8/20/2021
SOP Owner	R. Kalinowsky	**Approval**	R. Kalinowsky

Standard Operating Procedure –Storm Water Monitoring (MP108A & Outfall 008)

1. Purpose

The purpose of this SOP is to define how to properly assess the storm water at the two monitoring points.

2. Scope

This document is intended to give a description on how to properly assess the stormwater at the two monitoring points. This observation is required daily and will be performed each day as requested by EES Coke Environmental Personnel. Currently, EES Coke has instructed Sidock Group to perform these observations on Saturdays and Sundays of each week. EES Coke may request that Sidock Group cover additional days of observations, including Holidays.

3. Responsibilities

Sidock field personnel are responsible for implementing this procedure.

4. PPE Requirements

The following PPE is required for personnel responsible for implementing this procedure:

1. Standard Battery PPE (leather gloves; FR clothing; hard hat; safety glasses; radio; metatarsal safety boots; hearing protection; CO detector; ½- face respirator on person).

5. Communication

1. Notification by text to the EES Coke Environmental Staff after each observation to present the results of the observation.

6. Safety Requirements

1. The area can be slick and wet, so be careful on the MP108A platform and stairs leading to the platform.
2. The MP108A basin that the water is in does not have a railing, so be careful of falling into it.
3. The area surrounding the Outfall 008 can be slippery with mud or ice. In addition, the ladder down to the platform can be slippery, so proceed with caution.

7. Procedure

1. Fill out the two forms with your name and place your initials in the designated box on the same line as the correct date.
2. Go to the first location point, which is the blue open top Frac Tank at the east end of the tar tanks outside the secondary containment wall. Locate and climb the yellow safety steps on the north side of the container. The point of monitoring is at the top of the container, in the middle, where the water flows from the higher elevation of water to the lower elevation of water, after the water has passed through the filter.
3. Go to the second location point, which is the Outfall located east of the #2 Boiler House. Locate the Outfall 008 sign and climb down the yellow safety ladder. There, the observer will look at the discharge point below them, which flows into the Detroit River.
4. Make sure all questions on the form are answered. When the term "flow" is used, it is describing the water that is falling from the higher elevation at MP 108A, or the water flowing from Outfall 008, which is at the same level as the Detroit River.
    a. Make sure the flow is observed at the monitoring locations, described above
        i. If no flow is observed, complete other tasks and return later
        ii. If, upon returning, no flow is observed, complete all other tasks for the day and return a third time
        iii. If no flow is observed during the third visit, wait 15 minutes. If no flow has occurred, call or text the Environmental Staff and let them know.
    b. The flow should look natural and at a consistent rate. If the flow looks more turbid than normal, make note and contact the Environmental Staff
    c. The flow should have a normal clear water color to it. If the flow has an unnatural color, make note and contact the Environmental Staff
    d. The flow should not have any oil film or residue. If the flow has an oil film or residue, make note and contact the Environmental Staff
        i. An oil film normally exhibits a rainbow sheen, and if disturbed will return to coat the surface
    e. Algae and other biological matter that is naturally occurring should not be recorded as sheen
        i. This material secretes a floating silvery film which tends to keep its shape and not move away if disturbed
    f. The flow should not have any floating solids. If the flow has any floating solids, make note and contact the Environmental Staff
    g. The flow should not have any foam build up. If the flow has any foam build up, make note and contact the Environmental Staff

h. The flow should not have any settleable solids. If the flow has any settleable solids, make note and contact the Environmental Staff
i. The flow should not have any suspended solids. If the flow has any suspended solids, make note and contact the Environmental Staff
j. The flow should not have any deposits. If the flow has any deposits, make note and contact the Environmental Staff

5. Normal flow will be an uninterrupted flow, that is clear with no particles in it.
6. Communicate with the EES Coke Environmental Staff via text after the stormwater monitoring to let them know that you performed the observation and that either no problems were noted or describe the problem to them.

8. References

1. None.

9. Attachments

- EES Coke- MP108A Form (Monthly Form)
- EES Coke- Outfall 008 (Monthly Form)

EES Coke Battery L.L.C.

Daily Observation Form
MP 108A

Environmental Technician's Name:

Concurrance of Certified SW Operator:

Month:	Flow Observed at Monitoring Location?		Does the Observed Flow have an unnatural turbidity?		Does the Observed Flow have an unnatural color?		Does the Observed Flow have an oil film?		Does the Observed Flow have floating solids?		Does the Observed Flow have foams?		Does the Observed Flow have settleable solids?		Does the Observed Flow have suspended solids?		Does the Observed Flow have deposits?		Technician's Initials	Comments (Describe any problems/ conditions found during inspection)	Action Taken (include date mitigated)
	Y	N	Y	N	Y	N	Y	N	Y	N	Y	N	Y	N	Y	N	Y	N			
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EES Coke Battery L.L.C.

Daily Observation Form
Outfall 008

Environmental Technician's Name:

Concurrance of Certified SW Operator:

Month:	Flow Observed at Monitoring Location?		Does the Observed Flow have an unnatural turbidity?		Does the Observed Flow have an unnatural color?		Does the Observed Flow have an oil film?		Does the Observed Flow have floating solids?		Does the Observed Flow have foams?		Does the Observed Flow have settleable solids?		Does the Observed Flow have suspended solids?		Does the Observed Flow have deposits?		Technician's Initials	Comments (Describe any problems/ conditions found during inspection)	Action Taken (include date mitigated)
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