Christopher J. Phipps, P.E., Director

MEMORANDUM

TO: File OR-O-634

FROM: Timothy Richards, Landfill Manager

SUBJECT: 2016 NPDES SWP3 Annual Report: Southern Recycling Center & Sudley Landfill

DATE: November 28, 2017

This memorandum documents that an Annual Comprehensive SWP3 Compliance Inspection was performed on November 18, 2016 for Southern Recycling Center & Sudley Landfill. However, the inspection was not documented on the SWP3 inspection forms due to changes in staff.

SRC Quarterly Routine Inspection Certification

Location	In Compliance (Yes/No) *
Recycling Center	
Main Gate, Main Haul Road and Paved Surfaces	YES
Convenience Center Area	YES
Oil, Batteries and AntiFreeze Recycling Area	YES
Maintenance Area	
Maintenance Building	YES
Maintenance Yard	YES
Landfill / Borrow Area Post-Closure	YES
Stormwater Management	NO

* For each item not in compliance, complete a Corrective Action Form

CERTIFICATION STATEMENT

"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

Print Name and Title: Mark Morris, Environmental Monitoring Manager

Signature: Mark Morris Date: 9-Nov-17

SRC Quarterly Routine Inspection Corrective Action Form

Complete a separate copy of this page for each specific condition identified during the inspection as not in compliance.

Date problem identified: 11/9/2017

Identify the condition(s) triggering the need for this action (Check box):

[ ] Unauthorized release or discharge

[ ] Control measures inadequate

[X] Control measures not properly operated or maintained

[ ] Change in facility operations necessitated change in control measures

[ ] Other (describe): _____

Briefly describe the nature of the problem identified:

Rip-rap ditch at southeast corner of haul road requires repair (FY19).

Description of corrective action(s) taken or to be taken to eliminate or further investigate the problem (e.g., describe modifications or repairs to control measures, analyses to be conducted, etc.) or if no modifications are needed, basis for that determination:

Need to add stone chute to eliminate ditch erosion.

Date corrective action to be completed: _____

Name of person responsible: Russell Gartside

Southern Recycling Center Inspection Checklist

	Quarter 1		Quarter 2		Quarter 3		Quarter 4	
Date of Inspection:							11/9/2017	
Main Gate, Main Haul Road and Paved Surfaces	SAT	UNSAT	SAT	UNSAT	SAT	UNSAT	SAT	UNSAT
Upper and Lower Area Clean							YES	
Entrance/Exit Roads and Paved Area Clean							YES	
Recycling Area Clean, Dry, and Orderly							YES	
Recycling Center Area	SAT	UNSAT	SAT	UNSAT	SAT	UNSAT	SAT	UNSAT
Spills/Leaks or Containers Leaking							YES	
Trash Cans Empty							YES	
Organic Debris/Mulch Area Clean and Orderly							YES	
Stormdrain Inlet Grates Clean							YES	
Drainage System (Ditches and Stormdrain)							YES	
Oil, Batteries and AntiFreeze Recycling Area	SAT	UNSAT	SAT	UNSAT	SAT	UNSAT	SAT	UNSAT
Check Fluid Levels							YES	
Full Tanks Locked							YES	
Screens Cleaned							YES	
Tanks Cleaned							YES	
Containment Basins Clean							YES	
Sorbent Mats and Material Maintained or Disposed of Properly							YES	
No Leaks/Spills							YES	
Drain Valves Shut							YES	
Batteries Stacked in Containment Tray							YES	
Pavement Clean (Powerwash Needed?)							YES	
Trash Cans Emptied							YES	

Comments: If UNSAT (Unsatisfactory) is checked, list what needs to be done, by whom, and the expected completion date.

Southern Recycling Center Maintenance Building and Yard Inspection Checklist

	Quarter 1		Quarter 2		Quarter 3		Quarter 4	
Date of Inspection:							11/9/2017	
Maintenance Building	SAT	UNSAT	SAT	UNSAT	SAT	UNSAT	SAT	UNSAT
Shop Floor Clean and Free of Debris							YES	
Sorbent Material in Place and Clean, Used Sorbent Disposed of Properly							YES	
Drip Pans Under Hanging Nozzles and Equipment Empty							YES	
Liquid Storage Room Sorbent Materials in Place and Clean/No Leaks							YES	
Materials/Equipment Stored							YES	
Storage Room Standing Water/Oil Residue							YES	
Maintenance Yard	SAT	UNSAT	SAT	UNSAT	SAT	UNSAT	SAT	UNSAT
Police Litter							YES	
Ground Free of Debris							YES	
Latex Paint Dumpster Organized/No Leaks							YES	
Mechanical and Vegetative Stabilization Maintained							YES	
Storage Area Clean and Organized							YES	
300 Gallon Diesel Storage Tank Containment Maintained							YES	

Comments: If UNSAT (Unsatisfactory) is checked, list what needs to be done, by whom, and the expected completion date.

Sudley Landfill Significant Rainfall Event Inspection Checklist

NOT APPLICABLE FOR INSPECTION DATED 11/9/2017

Date: 11/9/2017

Time: 10 a.m. to 1 p.m.

Inspector(s): Mark Morris
EMM

Weather: Partly Sunny

Rainfall Amount:

Duration:

Required Inspections	Maintenance Required		Date Scheduled	Date Completed
	Yes	No		
A. Final Cover Systems				
1. Erosion				
2. Vegetative Cover (other than erosion)				
3. Access Roads				
4. Sediment Deposition				
B. Drainage Control Systems				
1. Cover Terrace				
2. Borrow Area Drainage Terrace				
3. Riprap Downchutes				
4. Grassed and Riprap Swales				
5. Drainage Layer Toe Drains				
6. Riprap Slope Protection				
7. Earth Dike (Borrow Area Haul Road)				
8. Culvert at Tracey's Creek				
9. Sediment Deposition				
C. Stormwater Management Facilities (SWM #1 thru #5), Berms and Traps				
1. Erosion				
2. Vegetative Cover (other than erosion)				
3. Seepage Through Pond Embankment				
4. Trash Racks				
5. Riprap inlet and Outfall Aprons				
6. Pond Culvert Inlet Structures				
7. Dewatering Devices				
8. Sediment Trap Outlet (Borrow Area Haul Road)				
9. Sediment Deposition				
10. Pond/Discharge Clarity				

Comments (If Maintenance Required is Checked "YES" for any Items, a Comment is Required):

Sudley Landfill/Borrow Area Post-Closure Inspection Checklist

Date: 11/9/2017
Time: 10 a.m. to 1 p.m.
Weather: Partly Sunny

Inspector's Name(s): Mark Morris
Inspector's Title(s) EMM
Inspector's Contact Info 443-623-0605

	Maintenance Required		Date Scheduled	Date Completed
	Yes	No		
Required Quarterly Inspections				
A. Final Cover Systems				
1. Erosion		X		
2. Vegetative Cover (other than erosion)		X		
3. Subsidence Areas		X		
4. Leachate Seeps		X		
5. Woody Vegetation		X		
6. Access Roads		X		
7. Borrow Area Haul Road		X		
8. Sediment Deposition		X		
B. Drainage Control Systems				
1. Cover Terrace		X		
2. Borrow Area Drainage Terrace		X		
3. Riprap Downchutes		X		
4. Grassed and Riprap Swales		X		
5. Drainage Layer Toe Drains		X		
6. Riprap Slope Protection		X		
7. Earth Dike (Borrow Area Haul Road)		X		
8. Culvert at Tracey's Creek		X		
9. Sediment Deposition		X		
C. Other Inspections				
1. Security (Perimeter Fence and Locking Gates)		X		
2. Groundwater Monitoring Wells		X		
3. Gas Monitoring Wells		X		

Comments (If Maintenance Required is Checked "YES" for any Items, a Comment is Required):

Note: Any woody vegetation will be removed as part of the routine maintenance occurring in the 4th quarter.

Southern Recycling Center Stormwater Management Inspection Checklist

Date: 11/9/2017
Time: 10 a.m. to 1 p.m.
Weather: Partly Sunny

Inspector's Name(s): Mark Morris
Inspector's Title(s): EMM
Inspector's Contact Info: 443-623-0605

Structural Stormwater Management Controls	Operating Effectively Y / N	Maintenance Required Y / N	Date Scheduled	Date Completed
SWM #1 Wet Pond	YES	NO		
SWM #2 Wet Pond	YES	NO		
SWM #3 Sand Filter	YES	NO		
SWM #4 Sand Filter	YES	NO		
SWM #5 Bioretention	YES	NO		

Describe Corrective Actions

SWM Facility	Action Item
	Note: Any woody vegetation will be removed as part of the routine maintenance occurring in the 4th quarter.

Inspection Items	Check When Feature Is Inspected			
Stormwater Management Ponds	**SWM #1**	**SWM #2**		
1. Erosion	X	X		
2. Vegetative Cover (other than erosion)	X	X		
3. Seepage Through Pond Embankment	X	X		
4. Woody Vegetation	X	X		
5. Holes in Embankment (burrowing animals)	X	X		
6. Trash Racks	X	X		
7. Inside Riser and Barrel Structures	X	X		
8. Riprap Inlet and Outfall Aprons	X	X		
9. Pond Culvert Inlet Structures	X	X		
10. Dewatering Devices	X	X		
11. Sediment Deposition	X	X		
12. Pond/Discharge Clarity	X	X		
Sand Filters / Bioretention	**SWM #3**	**SWM #4**	**SWM #5**	
1. Erosion	X	X	X	
2. Vegetative Cover (other than erosion)	X	X	X	
3. Seepage Through Pond Embankment	X	X	X	
4. Woody Vegetation	X	X	X	
5. Holes in Embankment (burrowing animals)	X	X	X	
6. Trash Racks	X	X	X	
7. Inside Riser and Barrel Structures	X	X	X	
8. Riprap Inlet and Outfall Aprons	X	X	X	
9. Pond Culvert Inlet Structures	X	X	X	
10. Dewatering Devices	X	X	X	
11. Sediment Deposition	X	X	X	
12. Pre-Treatment Devices	X	X	X	
13. Cleanouts and Underdrains	X	X	X	

Southern Recycling Center Quarterly Visual Monitoring Form

Fill out a separate form for each outfall sampled.

NOT APPLICABLE FOR INSPECTION DATED 11/9/2017

Sample Location
Outfall ID: _____

Collector's Name and Title _____
Examiner's Name and Title _____

Quarter / Year: _____
Date & Time Sample Collected: _____
Date & Time Sample Examined: _____
Runoff Source: Rainfall Snowmelt

Previous Storm Ended > 72 hours before start of this storm? * (circle) No Yes
Qualifying Storm Event (> 1/2")? No Yes

Inspection Parameters (circle)

Color: None Yellow Brown Red Gray
Other (describe) _____

Clarity: Clear Suspended Solids Milky / Cloudy Opaque
Other (describe) _____

Oil Sheen: None Rainbow sheet Floating oil Slick
Other (describe) _____

Odor: None Chemical Musty Rotten Eggs Sewage Sour Milk
Oil / Petroleum Other (describe) _____

Floating Solids: None Suds Oily Film Garbage Sewage
Waterfowl Excrement Other (describe) _____

Suspended Solids: No Yes Describe _____

LEAVE SAMPLE UNDISTURBED FOR 30 MINUTES

Settled Solids **: No Yes Describe _____

Foam (gently shake sample): No Yes Describe _____

Other Obvious Indicators of Stormwater Pollution: No Yes Describe _____

Detail any concerns, additional comments, descriptions of pictures taken, and any corrective actions taken below. (attach additional sheets as necessary)

_____

Stormwater Collector's Signature and Date: _____

Stormwater Examiner's Signature and Date: _____

INSPECTION
COMPLETED
6/30/17

Appendix H:
Completed Quarterly Compliance Worksheets

SRC Quarterly Routine Inspection Certification

Location	In Compliance (Yes/No) *
Recycling Center	
Main Gate, Main Haul Road and Paved Surfaces	YES
Convenience Center Area	YES
Oil, Batteries and AntiFreeze Recycling Area	YES
Maintenance Area	
Maintenance Building	YES
Maintenance Yard	YES
Landfill / Borrow Area Post-Closure	YES
Stormwater Management	YES

* For each item not in compliance, complete a Corrective Action Form

CERTIFICATION STATEMENT

"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

Print Name and Title: Mark Morris, Environmental Monitoring Manager

Signature: Mark Morris Date: 30-Jun-17

SRC Quarterly Routine Inspection Corrective Action Form

Complete a separate copy of this page for each specific condition identified during the inspection as not in compliance.

Date problem identified: _____

Identify the condition(s) triggering the need for this action (Check box):

☐ Unauthorized release or discharge

☐ Control measures inadequate

☐ Control measures not properly operated or maintained

☐ Change in facility operations necessitated change in control measures

☐ Other (describe): _____

Briefly describe the nature of the problem identified:

_____
_____
_____
_____
_____
_____
_____

Description of corrective action(s) taken or to be taken to eliminate or further investigate the problem (e.g., describe modifications or repairs to control measures, analyses to be conducted, etc.) or if no modifications are needed, basis for that determination:

_____
_____
_____
_____
_____
_____
_____

Date corrective action to be completed: _____

Name of person responsible: _____

Southern Recycling Center Inspection Checklist

	Quarter 1		Quarter 2		Quarter 3		Quarter 4	
Date of Inspection:					6/30/2017			
Main Gate, Main Haul Road and Paved Surfaces	SAT	UNSAT	SAT	UNSAT	SAT	UNSAT	SAT	UNSAT
Upper and Lower Area Clean					YES			
Entrance/Exit Roads and Paved Area Clean					YES			
Recycling Area Clean, Dry, and Orderly					YES			
Recycling Center Area	SAT	UNSAT	SAT	UNSAT	SAT	UNSAT	SAT	UNSAT
Spills/Leaks or Containers Leaking					YES			
Trash Cans Empty					YES			
Organic Debris/Mulch Area Clean and Orderly					YES			
Stormdrain Inlet Grates Clean					YES			
Drainage System (Ditches and Stormdrain)					YES			
Oil, Batteries and AntiFreeze Recycling Area	SAT	UNSAT	SAT	UNSAT	SAT	UNSAT	SAT	UNSAT
Check Fluid Levels					YES			
Full Tanks Locked					YES			
Screens Cleaned					YES			
Tanks Cleaned					YES			
Containment Basins Clean					YES			
Sorbent Mats and Material Maintained or Disposed of Properly					YES			
No Leaks/Spills					YES			
Drain Valves Shut					YES			
Batteries Stacked in Containment Tray					YES			
Pavement Clean (Powerwash Needed?)					YES			
Trash Cans Emptied					YES			

Comments: If UNSAT (Unsatisfactory) is checked, list what needs to be done, by whom, and the expected completion date.

Southern Recycling Center Maintenance Building and Yard Inspection Checklist

	Quarter 1		Quarter 2		Quarter 3		Quarter 4	
Date of Inspection:					6/30/2017			
Maintenance Building	SAT	UNSAT	SAT	UNSAT	SAT	UNSAT	SAT	UNSAT
Shop Floor Clean and Free of Debris					YES			
Sorbent Material in Place and Clean, Used Sorbent Disposed of Properly					YES			
Drip Pans Under Hanging Nozzles and Equipment Empty					YES			
Liquid Storage Room Sorbent Materials in Place and Clean/No Leaks					YES			
Materials/Equipment Stored					YES			
Storage Room Standing Water/Oil Residue					YES			
Maintenance Yard	SAT	UNSAT	SAT	UNSAT	SAT	UNSAT	SAT	UNSAT
Police Litter					YES			
Ground Free of Debris					YES			
Latex Paint Dumpster Organized/No Leaks					YES			
Mechanical and Vegetative Stabilization Maintained					YES			
Storage Area Clean and Organized					YES			
300 Gallon Diesel Storage Tank Containment Maintained					YES			

Comments: If UNSAT (Unsatisfactory) is checked, list what needs to be done, by whom, and the expected completion date.

Sudley Landfill Significant Rainfall Event Inspection Checklist

NOT APPLICABLE FOR INSPECTION DATED 6/30/2017

Date: _____ Weather: _____

Time: _____ Rainfall Amount: _____

Inspector(s): _____ Duration: _____

_____

Required Inspections	Maintenance Required		Date Scheduled	Date Completed
	Yes	No		
A. Final Cover Systems				
1. Erosion				
2. Vegetative Cover (other than erosion)				
3. Access Roads				
4. Sediment Deposition				
B. Drainage Control Systems				
1. Cover Terrace				
2. Borrow Area Drainage Terrace				
3. Riprap Downchutes				
4. Grassed and Riprap Swales				
5. Drainage Layer Toe Drains				
6. Riprap Slope Protection				
7. Earth Dike (Borrow Area Haul Road)				
8. Culvert at Tracey's Creek				
9. Sediment Deposition				
C. Stormwater Management Facilities (SWM #1 thru #5), Berms and Traps				
1. Erosion				
2. Vegetative Cover (other than erosion)				
3. Seepage Through Pond Embankment				
4. Trash Racks				
5. Riprap inlet and Outfall Aprons				
6. Pond Culvert Inlet Structures				
7. Dewatering Devices				
8. Sediment Trap Outlet (Borrow Area Haul Road)				
9. Sediment Deposition				
10. Pond/Discharge Clarity				

Comments (If Maintenance Required is Checked "YES" for any Items, a Comment is Required):

_____

_____

Sudley Landfill/Borrow Area Post-Closure Inspection Checklist

Date: 6/30/2017
Time: 9:30 a.m. to noon
Weather: Clear

Inspector's Name(s): Mark Morris
Inspector's Title(s) EMM
Inspector's Contact Info 443-623-0605

	Maintenance Required		Date Scheduled	Date Completed
	Yes	No		
Required Quarterly Inspections				
A. Final Cover Systems				
1. Erosion		X		
2. Vegetative Cover (other than erosion)		X		
3. Subsidence Areas		X		
4. Leachate Seeps		X		
5. Woody Vegetation		X		
6. Access Roads		X		
7. Borrow Area Haul Road		X		
8. Sediment Deposition		X		
B. Drainage Control Systems				
1. Cover Terrace		X		
2. Borrow Area Drainage Terrace		X		
3. Riprap Downchutes		X		
4. Grassed and Riprap Swales		X		
5. Drainage Layer Toe Drains		X		
6. Riprap Slope Protection		X		
7. Earth Dike (Borrow Area Haul Road)		X		
8. Culvert at Tracey's Creek		X		
9. Sediment Deposition		X		
C. Other Inspections				
1. Security (Perimeter Fence and Locking Gates)		X		
2. Groundwater Monitoring Wells		X		
3. Gas Monitoring Wells		X		

Comments (If Maintenance Required is Checked "YES" for any Items, a Comment is Required):

Note: Any woody vegetation will be removed as part of the routine maintenance occurring in the 4th quarter.

Southern Recycling Center Stormwater Management Inspection Checklist

Date: 6/30/2017
Time: 9:30 a.m. to noon
Weather: Clear

Inspector's Name(s): Mark Morris
Inspector's Title(s): EMM
Inspector's Contact Info: 443-623-0605

	Operating Effectively Y / N	Maintenance Required Y / N	Date Scheduled	Date Completed
Structural Stormwater Management Controls				
SWM #1 Wet Pond	YES	NO		
SWM #2 Wet Pond	YES	NO		
SWM #3 Sand Filter	YES	NO		
SWM #4 Sand Filter	YES	NO		
SWM #5 Bioretention	YES	NO		

Describe Corrective Actions

SWM Facility	Action Item

Inspection Items	**Check When Feature Is Inspected**			
Stormwater Management Ponds	**SWM #1**	**SWM #2**		
1. Erosion	X	X		
2. Vegetative Cover (other than erosion)	X	X		
3. Seepage Through Pond Embankment	X	X		
4. Woody Vegetation	X	X		
5. Holes in Embankment (burrowing animals)	X	X		
6. Trash Racks	X	X		
7. Inside Riser and Barrel Structures	X	X		
8. Riprap Inlet and Outfall Aprons	X	X		
9. Pond Culvert Inlet Structures	X	X		
10. Dewatering Devices	X	X		
11. Sediment Deposition	X	X		
12. Pond/Discharge Clarity	X	X		

Sand Filters / Bioretention	**SWM #3**	**SWM #4**	**SWM #5**	
1. Erosion	X	X	X	
2. Vegetative Cover (other than erosion)	X	X	X	
3. Seepage Through Pond Embankment	X	X	X	
4. Woody Vegetation	X	X	X	
5. Holes in Embankment (burrowing animals)	X	X	X	
6. Trash Racks	X	X	X	
7. Inside Riser and Barrel Structures	X	X	X	
8. Riprap Inlet and Outfall Aprons	X	X	X	
9. Pond Culvert Inlet Structures	X	X	X	
10. Dewatering Devices	X	X	X	
11. Sediment Deposition	X	X	X	
12. Pre-Treatment Devices	X	X	X	
13. Cleanouts and Underdrains	X	X	X	

Southern Recycling Center Quarterly Visual Monitoring Form

Fill out a separate form for each outfall sampled.

NOT APPLICABLE FOR INSPECTION DATED 6/30/2017

Sample Location
Outfall ID: _____

Collector's Name and Title _____
Examiner's Name and Title _____

Quarter / Year: _____
Date & Time Sample Collected: _____
Date & Time Sample Examined: _____
Runoff Source: Rainfall Snowmelt

Previous Storm Ended > 72 hours before start of this storm? * (circle) No Yes
Qualifying Storm Event (> 1/2")? No Yes

Inspection Parameters (circle)

Color	None	Yellow	Brown	Red	Gray
	Other (describe) _____				
Clarity	Clear	Suspended Solids	Milky / Cloudy		Opaque
	Other (describe) _____				
Oil Sheen	None	Rainbow sheet	Floating oil	Slick	
	Other (describe) _____				
Odor	None	Chemical	Musty	Rotten Eggs	Sewage
	Oil / Petroleum		Other (describe) _____		Sour Milk
Floating Solids	None	Suds	Oily Film	Garbage	Sewage
	Waterfowl Excrement		Other (describe) _____		
Suspended Solids	No	Yes	Describe _____		

LEAVE SAMPLE UNDISTURBED FOR 30 MINUTES

Settled Solids **	No	Yes	Describe _____
Foam (gently shake sample)	No	Yes	Describe _____
Other Obvious Indicators of Stormwater Pollution	No	Yes	Describe _____

Detail any concerns, additional comments, descriptions of pictures taken, and any corrective actions taken below. (attach additional sheets as necessary)

_____
_____
_____
_____
_____
_____

Stormwater Collector's Signature and Date: _____

Stormwater Examiner's Signature and Date: _____