

CAMU Site Inspection Form

Corrective Action Management Unit U. S. Steel – Gary Works Gary, Indiana

Date of Inspection: 1/9/17

Inspector: JJ Puslatti

Time: 0640

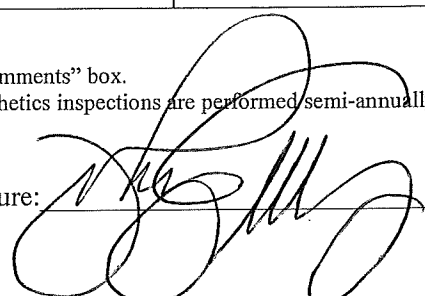
Weather: Clear, Cold 22°

Item	Inspected? Yes/No	Damage? ¹ Yes/No	Comments	Repairs and Maintenance Performed Initiation/Completion
General Site Conditions				
1. Roadway <ul style="list-style-type: none"> Erosion/ruts Settlement 	Y	N		
2. Security Fence <ul style="list-style-type: none"> Holes Gate damage / Locks/ Signage 	Y	N		
CAMU Unit 1				
1. Berm <ul style="list-style-type: none"> Erosion / Washout Settlement Vegetation 	Y	N		
2. Geosynthetics ² <ul style="list-style-type: none"> Tears/punctures Abrasions 	Y	N		
CAMU Unit 2				
1. Berm <ul style="list-style-type: none"> Erosion / Washout Settlement Vegetation 	Y	N		
2. Geosynthetics ² <ul style="list-style-type: none"> Tears/punctures Abrasions 	Y	N		
3. Spray System Interface with Liner <ul style="list-style-type: none"> Degradation to Geosynthetics 	N/A			
Storm Water Management				
1. Drainage Swales <ul style="list-style-type: none"> Erosion Sediment/Debris Accumulation 	Y	N		
2. Infiltration Ponds <ul style="list-style-type: none"> Erosion Sediment Accumulation Vegetation 	Y	N		
3. Culverts <ul style="list-style-type: none"> Erosion Sediment / Debris 	Y	N		
4. Emergency Overflow <ul style="list-style-type: none"> Erosion Sediment / Debris 	Y	N		
5. Ditches and Other Areas <ul style="list-style-type: none"> Erosion Sediment / Debris 	Y	N		

Notes:

¹ If answer is "Yes", then a description of the damage observed must be provided in the "Comments" box.

² Condition of geosynthetics as observed during routine CAMU activities. Detailed geosynthetics inspections are performed semi-annually.

Inspector's Signature: 

CAMU Leachate and Leak Detection System and Evaporative Spray System Inspection Form

Corrective Action Management Unit U. S. Steel – Gary Works Gary, Indiana

Date of Inspection: 1/9/17

Inspector: JJ Pusiecki

Time: 0630

Weather: Clear cold 72°

Item	Inspected? Yes/No	Damage? ¹ Yes/No	Comments	Description of Repairs Performed Initiation/Completion ²
CAMU Unit 1 Leachate and Leak Detection System				
1. Leachate Collection Pipes • Soil / Waste Material Accumulation	Y	N		
2. Leachate Collection Sump Pump • Pump Station Control Panel • High/low Water Switches • Pump operation ³	Y	N		
3. Leak Detection Collection Pipes • Soil / Waste Material Accumulation	Y	N		
4. Leak Detection Sump Pump • Pump Station Control Panel • High/low Water Switches • Pump Operation ³	Y	N		
CAMU Unit 2 Leachate and Leak Detection System				
1. Leachate Collection Pipes • Soil / Waste Material Accumulation	Y	N		
2. Leachate Collection Sump Pump • Pump Station Control Panel • High/low Water Switches • Pump Operation ³	Y	N		
3. Leak Detection Collection Pipes • Soil / Waste Material Accumulation	Y	N		
4. Leak Detection Sump Pump • Pump Station Control Panel • High/low Water Switches • Pump Operation ³	Y	N		
Evaporative Spray System ⁴				
1. Conveyance Pipe • Leaks / Water Pressure	N/A			
2. Pipe Joints • Leaks / Water Pressure				
3. Sprinkler Heads • Uniform Circular Spray • Clogs				

Notes:

¹ If answer is "Yes", then a description of the damage observed must be provided in the "Comments" box.

² Repairs to be completed within one (1) month after damage/deficiency is observed and documented.

³ Operation of pumps can be determined by cycling the pumps on/off and monitoring the discharge from the piping attached to the pump.

⁴ Evaporative spray system inspections are performed only when the spray system is operating.

Inspector's Signature: _____



CAMU Site Inspection Form

Corrective Action Management Unit U. S. Steel – Gary Works Gary, Indiana

Date of Inspection: 2-6-17

Inspector: J. Pitsied

Time: 0635

Weather: Clear, Cold 30°

Item	Inspected? Yes/No	Damage? ¹ Yes/No	Comments	Repairs and Maintenance Performed Initiation/Completion
General Site Conditions				
1. Roadway • Erosion/ruts • Settlement	Y	N		
2. Security Fence • Holes • Gate damage / Locks/ Signage	Y	N		
CAMU Unit 1				
1. Berm • Erosion / Washout • Settlement • Vegetation	Y	N		
2. Geosynthetics ² • Tears/punctures • Abrasions	Y	N		
CAMU Unit 2				
1. Berm • Erosion / Washout • Settlement • Vegetation	Y	N		
2. Geosynthetics ² • Tears/punctures • Abrasions	Y	N		
3. Spray System Interface with Liner • Degradation to Geosynthetics	N/A	N		
Storm Water Management				
1. Drainage Swales • Erosion • Sediment/Debris Accumulation	Y	N		
2. Infiltration Ponds • Erosion • Sediment Accumulation • Vegetation	Y	N		
3. Culverts • Erosion • Sediment / Debris	Y	N		
4. Emergency Overflow • Erosion • Sediment / Debris	Y	N		
5. Ditches and Other Areas • Erosion • Sediment / Debris	Y	N		

Notes:

¹ If answer is "Yes", then a description of the damage observed must be provided in the "Comments" box.

² Condition of geosynthetics as observed during routine CAMU activities. Detailed geosynthetics inspections are performed semi-annually.

Inspector's Signature: [Signature]

CAMU Leachate and Leak Detection System and Evaporative Spray System Inspection Form

Corrective Action Management Unit U. S. Steel – Gary Works Gary, Indiana

Date of Inspection: 2-6-17

Inspector: JJ Pmonek

Time: 0640

Weather: Clear cold 30°

Item	Inspected? Yes/No	Damage? ¹ Yes/No	Comments	Description of Repairs Performed Initiation/Completion ²
CAMU Unit 1 Leachate and Leak Detection System				
1. Leachate Collection Pipes • Soil / Waste Material Accumulation	Y	N		
2. Leachate Collection Sump Pump • Pump Station Control Panel • High/low Water Switches • Pump operation ³	Y	N		
3. Leak Detection Collection Pipes • Soil / Waste Material Accumulation	Y	N		
4. Leak Detection Sump Pump • Pump Station Control Panel • High/low Water Switches • Pump Operation ³	Y	N		
CAMU Unit 2 Leachate and Leak Detection System				
1. Leachate Collection Pipes • Soil / Waste Material Accumulation	Y	N		
2. Leachate Collection Sump Pump • Pump Station Control Panel • High/low Water Switches • Pump Operation ³	Y	N		
3. Leak Detection Collection Pipes • Soil / Waste Material Accumulation	Y	N		
4. Leak Detection Sump Pump • Pump Station Control Panel • High/low Water Switches • Pump Operation ³	Y	N		
Evaporative Spray System ⁴				
1. Conveyance Pipe • Leaks / Water Pressure	N/A			
2. Pipe Joints • Leaks / Water Pressure				
3. Sprinkler Heads • Uniform Circular Spray • Clogs				

Notes:

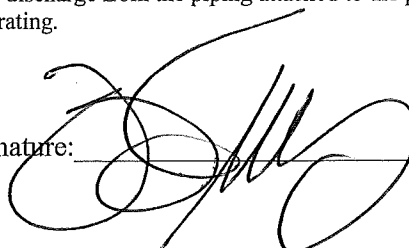
¹ If answer is "Yes", then a description of the damage observed must be provided in the "Comments" box.

² Repairs to be completed within one (1) month after damage/deficiency is observed and documented.

³ Operation of pumps can be determined by cycling the pumps on/off and monitoring the discharge from the piping attached to the pump.

⁴ Evaporative spray system inspections are performed only when the spray system is operating.

Inspector's Signature: _____



CAMU Site Inspection Form

Corrective Action Management Unit U. S. Steel – Gary Works Gary, Indiana

Date of Inspection: 3-13-17

Inspector: J. Puzicki

Time: 0600

Weather: 26° snow

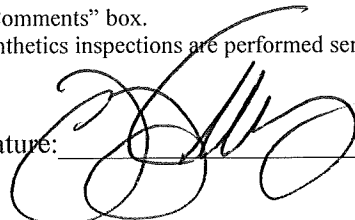
Item	Inspected? Yes/No	Damage? ¹ Yes/No	Comments	Repairs and Maintenance Performed Initiation/Completion
General Site Conditions				
1. Roadway • Erosion/ruts • Settlement	Y	N	GE Marshall grader mup	
2. Security Fence • Holes • Gate damage / Locks/ Signage	Y	Y	Damage section of entr fence - for NW corner	Repaired by Security Links 3-23-17
CAMU Unit 1				
1. Berm • Erosion / Washout • Settlement • Vegetation	Y	N		
2. Geosynthetics ² • Tears/punctures • Abrasions	Y	N		
CAMU Unit 2				
1. Berm • Erosion / Washout • Settlement • Vegetation	Y	N		
2. Geosynthetics ² • Tears/punctures • Abrasions	Y	N		
3. Spray System Interface with Liner • Degradation to Geosynthetics	Y	N		
Storm Water Management				
1. Drainage Swales • Erosion • Sediment/Debris Accumulation	Y	N		
2. Infiltration Ponds • Erosion • Sediment Accumulation • Vegetation	Y	N		
3. Culverts • Erosion • Sediment / Debris	Y	N		
4. Emergency Overflow • Erosion • Sediment / Debris	Y	N		
5. Ditches and Other Areas • Erosion • Sediment / Debris	Y	N		

Notes:

¹ If answer is "Yes", then a description of the damage observed must be provided in the "Comments" box.

² Condition of geosynthetics as observed during routine CAMU activities. Detailed geosynthetics inspections are performed semi-annually.

Inspector's Signature: _____



CAMU Leachate and Leak Detection System and Evaporative Spray System Inspection Form

Corrective Action Management Unit U. S. Steel – Gary Works Gary, Indiana

Date of Inspection: 3-13-17

Inspector: J. Pusiecki

Time: 0640

Weather: 26° SNOW

Item	Inspected? Yes/No	Damage? ¹ Yes/No	Comments	Description of Repairs Performed Initiation/Completion ²
CAMU Unit 1 Leachate and Leak Detection System				
1. Leachate Collection Pipes • Soil / Waste Material Accumulation	Y	N		
2. Leachate Collection Sump Pump • Pump Station Control Panel • High/low Water Switches • Pump operation ³	Y	N		
3. Leak Detection Collection Pipes • Soil / Waste Material Accumulation	Y	N		
4. Leak Detection Sump Pump • Pump Station Control Panel • High/low Water Switches • Pump Operation ³	Y	N		
CAMU Unit 2 Leachate and Leak Detection System				
1. Leachate Collection Pipes • Soil / Waste Material Accumulation	Y	N		
2. Leachate Collection Sump Pump • Pump Station Control Panel • High/low Water Switches • Pump Operation ³	Y	Y		
3. Leak Detection Collection Pipes • Soil / Waste Material Accumulation	Y	N		
4. Leak Detection Sump Pump • Pump Station Control Panel • High/low Water Switches • Pump Operation ³	Y	Y	Panel display out (Red Line)	To troubleshoot w/ Systems
Evaporative Spray System ⁴				
1. Conveyance Pipe • Leaks / Water Pressure	NA			
2. Pipe Joints • Leaks / Water Pressure	NA			
3. Sprinkler Heads • Uniform Circular Spray • Clogs	NA			

Notes:

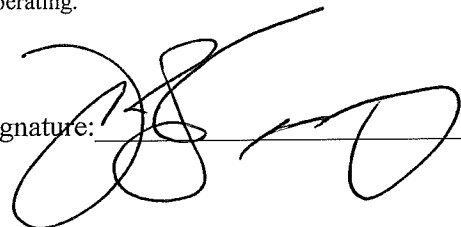
¹ If answer is "Yes", then a description of the damage observed must be provided in the "Comments" box.

² Repairs to be completed within one (1) month after damage/deficiency is observed and documented.

³ Operation of pumps can be determined by cycling the pumps on/off and monitoring the discharge from the piping attached to the pump.

⁴ Evaporative spray system inspections are performed only when the spray system is operating.

Inspector's Signature: _____



CAMU Site Inspection Form
Corrective Action Management Unit
U. S. Steel – Gary Works
Gary, Indiana

Date of Inspection: 4-11-2017

Inspector: ED Snyder & James Keefe

Time: 11:00

Weather: Cloudy 44° 250" RAIN WSW wind 2 mph

Item	Inspected? Yes/No	Damage? ¹ Yes/No	Comments	Repairs and Maintenance Performed Initiation/Completion
General Site Conditions				
1. Roadway • Erosion/ruts • Settlement	Y	N		
2. Security Fence • Holes • Gate damage / Locks/ Signage	Y	N	Post S.E. Section Unit #1 20' west of gate bend. ²	No action required - JJK
CAMU Unit 1				
1. Berm • Erosion / Washout • Settlement • Vegetation	Y	N	N.W. Fence line small trees growing near fence & in between	Vegetation Mtc TBD
2. Geosynthetics ² • Tears/punctures • Abrasions	Y		Inspection's will start on 4-12-17	
CAMU Unit 2				
1. Berm • Erosion / Washout • Settlement • Vegetation	Y	N	S.E. Fence line small trees growing near fence & in between - Post damage to fence 20' W. of Gate	Vegetation Mtc
2. Geosynthetics ² • Tears/punctures • Abrasions	Y		Inspection's will start on 4-12-17	
3. Spray System Interface with Liner • Degradation to Geosynthetics	N/A	N/A		
Storm Water Management				
1. Drainage Swales • Erosion • Sediment/Debris Accumulation	Y	N		
2. Infiltration Ponds • Erosion • Sediment Accumulation • Vegetation	Y	N		
3. Culverts • Erosion • Sediment / Debris	Y	N		
4. Emergency Overflow • Erosion • Sediment / Debris	Y	N		
5. Ditches and Other Areas • Erosion • Sediment / Debris	Y	N		

Notes:

¹ If answer is "Yes", then a description of the damage observed must be provided in the "Comments" box.

² Condition of geosynthetics as observed during routine CAMU activities. Detailed geosynthetics inspections are performed semi-annually.

Inspector's Signature: Edward Snyder

CAMU Leachate and Leak Detection System and Evaporative Spray System Inspection Form

Corrective Action Management Unit U. S. Steel – Gary Works Gary, Indiana

Date of Inspection: 4-11-2017

Inspector: ED Snyder James Keefe

Time: 11:00

Weather: Cloudy 44° WSW - wind 2 mph

Item	Inspected? Yes/No	Damage? ¹ Yes/No	Comments	Description of Repairs Performed Initiation/Completion ²
CAMU Unit 1 Leachate and Leak Detection System				
1. Leachate Collection Pipes • Soil / Waste Material Accumulation	Y	N		
2. Leachate Collection Sump Pump • Pump Station Control Panel • High/low Water Switches • Pump operation ³	Y	ALL ARE OFF		
3. Leak Detection Collection Pipes • Soil / Waste Material Accumulation	Y	N		
4. Leak Detection Sump Pump • Pump Station Control Panel • High/low Water Switches • Pump Operation ³	Y	N	L-C-P-1-2- Failed Leak Pump NOT operating	
CAMU Unit 2 Leachate and Leak Detection System				
1. Leachate Collection Pipes • Soil / Waste Material Accumulation	Y	N		
2. Leachate Collection Sump Pump • Pump Station Control Panel • High/low Water Switches • Pump Operation ³		ALL ARE OFF		
3. Leak Detection Collection Pipes • Soil / Waste Material Accumulation	Y	N	NOTE L-C-P-1-5 PC Fault Red-110NS-2-NOT working - Totalizer NOT working.	
4. Leak Detection Sump Pump • Pump Station Control Panel • High/low Water Switches • Pump Operation ³	Y	Y	LCP-1-3-leak PC HAS Fault Control Switch NOT operating in Auto	
Evaporative Spray System ⁴				
1. Conveyance Pipe • Leaks / Water Pressure	N/A	N		NOTE- NOT IN operation
2. Pipe Joints • Leaks / Water Pressure	N/A	N		" "
3. Sprinkler Heads • Uniform Circular Spray • Clogs	N/A	N		" "

Notes: New Battery Backup Put in L-C-P-1-5 Still System NOT working.

¹ If answer is "Yes", then a description of the damage observed must be provided in the "Comments" box.

² Repairs to be completed within one (1) month after damage/deficiency is observed and documented.

³ Operation of pumps can be determined by cycling the pumps on/off and monitoring the discharge from the piping attached to the pump.

⁴ Evaporative spray system inspections are performed only when the spray system is operating.

Inspector's Signature: _____

[Handwritten Signature]

CAMU Site Inspection Form

Corrective Action Management Unit U. S. Steel – Gary Works Gary, Indiana

Date of Inspection: 5-8-17

Inspector: J. Pysiecki

Time: 0640

Weather: Clear, 40°

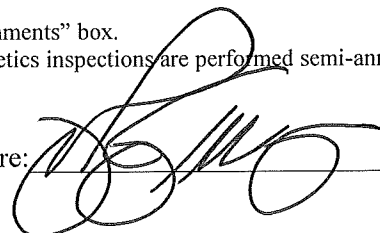
Item	Inspected? Yes/No	Damage? ¹ Yes/No	Comments	Repairs and Maintenance Performed Initiation/Completion
General Site Conditions				
1. Roadway • Erosion/ruts • Settlement	Y	N		
2. Security Fence • Holes • Gate damage / Locks/ Signage	Y	N		
CAMU Unit 1				
1. Berm • Erosion / Washout • Settlement • Vegetation	Y	N		
2. Geosynthetics ² • Tears/punctures • Abrasions	Y	N	Liner Repairs 5/22-24	Repairs completed + verified 5/26 - JJP
CAMU Unit 2				
1. Berm • Erosion / Washout • Settlement • Vegetation	Y	N		
2. Geosynthetics ² • Tears/punctures • Abrasions	Y	N	Liner Repairs 5/22-24	Repairs completed + verified 5/26 - JJP
3. Spray System Interface with Liner • Degradation to Geosynthetics	N/A	N/A		
Storm Water Management				
1. Drainage Swales • Erosion • Sediment/Debris Accumulation	Y	N		
2. Infiltration Ponds • Erosion • Sediment Accumulation • Vegetation	Y	N		
3. Culverts • Erosion • Sediment / Debris	Y	N		
4. Emergency Overflow • Erosion • Sediment / Debris	Y	N		
5. Ditches and Other Areas • Erosion • Sediment / Debris	Y	N		

Notes:

¹ If answer is "Yes", then a description of the damage observed must be provided in the "Comments" box.

² Condition of geosynthetics as observed during routine CAMU activities. Detailed geosynthetics inspections are performed semi-annually.

Inspector's Signature: _____



CAMU Leachate and Leak Detection System and Evaporative Spray System Inspection Form

Corrective Action Management Unit U. S. Steel – Gary Works Gary, Indiana

Date of Inspection: 5-8-17

Inspector: J. Prusiecki

Time: 0450

Weather: Clear, 40°

Item	Inspected? Yes/No	Damage? ¹ Yes/No	Comments	Description of Repairs Performed Initiation/Completion ²
CAMU Unit 1 Leachate and Leak Detection System				
1. Leachate Collection Pipes • Soil / Waste Material Accumulation	Y	N		
2. Leachate Collection Sump Pump • Pump Station Control Panel • High/low Water Switches • Pump operation ³	Y	ALL OFF		
3. Leak Detection Collection Pipes • Soil / Waste Material Accumulation	Y	N		
4. Leak Detection Sump Pump • Pump Station Control Panel • High/low Water Switches • Pump Operation ³	Y	N	LCP-1-2 Leak pump not operating - working parts.	Waiting on parts
CAMU Unit 2 Leachate and Leak Detection System				
1. Leachate Collection Pipes • Soil / Waste Material Accumulation	Y	N		
2. Leachate Collection Sump Pump • Pump Station Control Panel • High/low Water Switches • Pump Operation ³	Y	ALL OFF		
3. Leak Detection Collection Pipes • Soil / Waste Material Accumulation	Y	N	LCP-1-5 INOP, Awaiting Reelion replacement parts	Waiting on parts
4. Leak Detection Sump Pump • Pump Station Control Panel • High/low Water Switches • Pump Operation ³	Y	N	LCP-1-3 PC fault cleared, operational	
Evaporative Spray System ⁴				
1. Conveyance Pipe • Leaks / Water Pressure	N/A			
2. Pipe Joints • Leaks / Water Pressure	N/A			
3. Sprinkler Heads • Uniform Circular Spray • Clogs	N/A			

Notes:

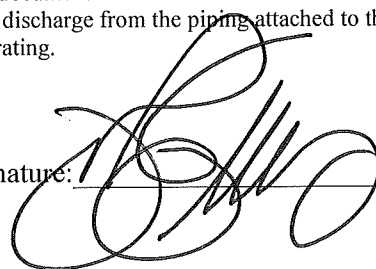
¹ If answer is "Yes", then a description of the damage observed must be provided in the "Comments" box.

² Repairs to be completed within one (1) month after damage/deficiency is observed and documented.

³ Operation of pumps can be determined by cycling the pumps on/off and monitoring the discharge from the piping attached to the pump.

⁴ Evaporative spray system inspections are performed only when the spray system is operating.

Inspector's Signature: _____



CAMU Site Inspection Form

Corrective Action Management Unit U. S. Steel – Gary Works Gary, Indiana

Date of Inspection: 6-12-17

Inspector: J. Pusiecki

Time: 0700

Weather: Clear, 76°

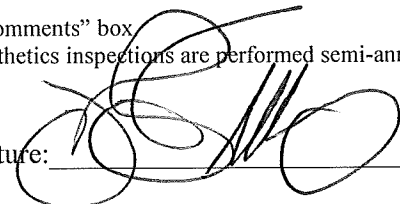
Item	Inspected? Yes/No	Damage? ¹ Yes/No	Comments	Repairs and Maintenance Performed Initiation/Completion
General Site Conditions				
1. Roadway • Erosion/ruts • Settlement	Y	N		
2. Security Fence • Holes • Gate damage / Locks/ Signage	Y	N		
CAMU Unit 1				
1. Berm • Erosion / Washout • Settlement • Vegetation	Y	N	Side slopes + roadway grass mowed	6/24-6/27 complete
2. Geosynthetics ² • Tears/punctures • Abrasions	Y	N		
CAMU Unit 2				
1. Berm • Erosion / Washout • Settlement • Vegetation	Y	N	Side slopes + roadway grass mowed	6/24-6/27 complete
2. Geosynthetics ² • Tears/punctures • Abrasions	Y	N		
3. Spray System Interface with Liner • Degradation to Geosynthetics	Y	N		
Storm Water Management				
1. Drainage Swales • Erosion • Sediment/Debris Accumulation	Y	N		
2. Infiltration Ponds • Erosion • Sediment Accumulation • Vegetation	Y	N		
3. Culverts • Erosion • Sediment / Debris	Y	N		
4. Emergency Overflow • Erosion • Sediment / Debris	Y	N		
5. Ditches and Other Areas • Erosion • Sediment / Debris	Y	N		

Notes:

¹ If answer is "Yes", then a description of the damage observed must be provided in the "Comments" box.

² Condition of geosynthetics as observed during routine CAMU activities. Detailed geosynthetics inspections are performed semi-annually.

Inspector's Signature: _____



CAMU Leachate and Leak Detection System and Evaporative Spray System Inspection Form

Corrective Action Management Unit U. S. Steel – Gary Works Gary, Indiana

Date of Inspection: 6-12-17

Inspector: J. Pusiecki

Time: 0700

Weather: Clear 76°

Item	Inspected? Yes/No	Damage? ¹ Yes/No	Comments	Description of Repairs Performed Initiation/Completion ²
CAMU Unit 1 Leachate and Leak Detection System				
1. Leachate Collection Pipes • Soil / Waste Material Accumulation	Y	N		
2. Leachate Collection Sump Pump • Pump Station Control Panel • High/low Water Switches • Pump operation ³	Y	OFF		
3. Leak Detection Collection Pipes • Soil / Waste Material Accumulation	Y	N	LCP-1-2 Leak Detect pump in op	New pump installed + system up on 6-22-17
4. Leak Detection Sump Pump • Pump Station Control Panel • High/low Water Switches • Pump Operation ³	Y	N		
CAMU Unit 2 Leachate and Leak Detection System				
1. Leachate Collection Pipes • Soil / Waste Material Accumulation	Y	N		
2. Leachate Collection Sump Pump • Pump Station Control Panel • High/low Water Switches • Pump Operation ³	Y	OFF		
3. Leak Detection Collection Pipes • Soil / Waste Material Accumulation	Y	N		
4. Leak Detection Sump Pump • Pump Station Control Panel • High/low Water Switches • Pump Operation ³	Y	N	LCP-1-5, Red Lion unit replace + operational	operational on 6-7-17
Evaporative Spray System ⁴				
1. Conveyance Pipe • Leaks / Water Pressure	Y	N	System Startup on 6-12-17	No issue
2. Pipe Joints • Leaks / Water Pressure	Y	N		
3. Sprinkler Heads • Uniform Circular Spray • Clogs	Y	N		

Notes:

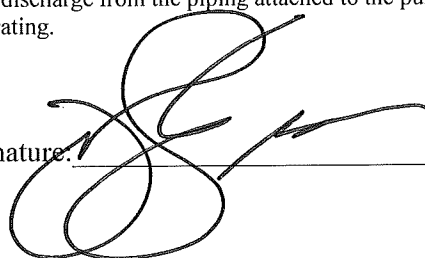
¹ If answer is "Yes", then a description of the damage observed must be provided in the "Comments" box.

² Repairs to be completed within one (1) month after damage/deficiency is observed and documented.

³ Operation of pumps can be determined by cycling the pumps on/off and monitoring the discharge from the piping attached to the pump.

⁴ Evaporative spray system inspections are performed only when the spray system is operating.

Inspector's Signature: _____



CAMU Site Inspection Form

Corrective Action Management Unit U. S. Steel – Gary Works Gary, Indiana

Date of Inspection: 7-6-17

Inspector: J. P. Pusiecki

Time: 0640

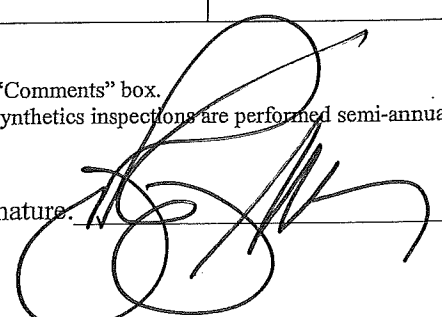
Weather: 76° Clear

Item	Inspected? Yes/No	Damage? ¹ Yes/No	Comments	Repairs and Maintenance Performed Initiation/Completion
General Site Conditions				
1. Roadway				
• Erosion/ruts	Y	N		
• Settlement				
2. Security Fence				
• Holes	Y	N		
• Gate damage / Locks/ Signage				
CAMU Unit 1				
1. Berm				
• Erosion / Washout	Y	N		
• Settlement				
• Vegetation				
2. Geosynthetics ²				
• Tears/punctures	Y	N		
• Abrasions				
CAMU Unit 2				
1. Berm				
• Erosion / Washout	Y	N		
• Settlement				
• Vegetation				
2. Geosynthetics ²				
• Tears/punctures	Y	N		
• Abrasions				
3. Spray System Interface with Liner				
• Degradation to Geosynthetics	Y	N		
Storm Water Management				
1. Drainage Swales				
• Erosion	Y	N		
• Sediment/Debris Accumulation				
2. Infiltration Ponds				
• Erosion	Y	N		
• Sediment Accumulation				
• Vegetation				
3. Culverts				
• Erosion	Y	N		
• Sediment / Debris				
4. Emergency Overflow				
• Erosion	Y	N		
• Sediment / Debris				
5. Ditches and Other Areas				
• Erosion	Y	N		
• Sediment / Debris				

Notes:

¹ If answer is "Yes", then a description of the damage observed must be provided in the "Comments" box.

² Condition of geosynthetics as observed during routine CAMU activities. Detailed geosynthetics inspections are performed semi-annually.

Inspector's Signature: 

CAMU Leachate and Leak Detection System and Evaporative Spray System Inspection Form

Corrective Action Management Unit U. S. Steel – Gary Works Gary, Indiana

Date of Inspection: 7-6-17

Inspector: J. Pusiński

Time: 0650

Weather: Clear 76°

Item	Inspected? Yes/No	Damage? ¹ Yes/No	Comments	Description of Repairs Performed Initiation/Completion ²
CAMU Unit 1 Leachate and Leak Detection System				
1. Leachate Collection Pipes • Soil / Waste Material Accumulation	Y	N		
2. Leachate Collection Sump Pump • Pump Station Control Panel • High/low Water Switches • Pump operation ³	Y	OFF		
3. Leak Detection Collection Pipes • Soil / Waste Material Accumulation	Y	N		
4. Leak Detection Sump Pump • Pump Station Control Panel • High/low Water Switches • Pump Operation ³	Y	N		
CAMU Unit 2 Leachate and Leak Detection System				
1. Leachate Collection Pipes • Soil / Waste Material Accumulation	Y	N		
2. Leachate Collection Sump Pump • Pump Station Control Panel • High/low Water Switches • Pump Operation ³	Y	OFF		
3. Leak Detection Collection Pipes • Soil / Waste Material Accumulation	Y	N		
4. Leak Detection Sump Pump • Pump Station Control Panel • High/low Water Switches • Pump Operation ³	Y	N		
Evaporative Spray System ⁴				
1. Conveyance Pipe • Leaks / Water Pressure	Y	N		
2. Pipe Joints • Leaks / Water Pressure	Y	N		
3. Sprinkler Heads • Uniform Circular Spray • Clogs	Y	N		

Notes:

¹ If answer is "Yes", then a description of the damage observed must be provided in the "Comments" box.

² Repairs to be completed within one (1) month after damage/deficiency is observed and documented.

³ Operation of pumps can be determined by cycling the pumps on/off and monitoring the discharge from the piping attached to the pump.

⁴ Evaporative spray system inspections are performed only when the spray system is operating.

Inspector's Signature: _____



CAMU Site Inspection Form

Corrective Action Management Unit U. S. Steel – Gary Works Gary, Indiana

Date of Inspection: 8-3-17

Inspector: J. Prusacki

Time: 0645

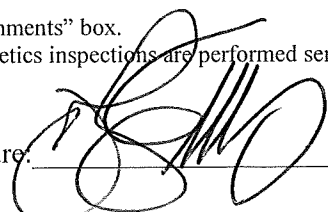
Weather: Clear 69°

Item	Inspected? Yes/No	Damage? ¹ Yes/No	Comments	Repairs and Maintenance Performed Initiation/Completion
General Site Conditions				
1. Roadway <ul style="list-style-type: none"> Erosion/ruts Settlement 	Y	N		
2. Security Fence <ul style="list-style-type: none"> Holes Gate damage / Locks/ Signage 	Y	N		
CAMU Unit 1				
1. Berm <ul style="list-style-type: none"> Erosion / Washout Settlement Vegetation 	Y	N		
2. Geosynthetics ² <ul style="list-style-type: none"> Tears/punctures Abrasions 	Y	N		
CAMU Unit 2				
1. Berm <ul style="list-style-type: none"> Erosion / Washout Settlement Vegetation 	Y	N		
2. Geosynthetics ² <ul style="list-style-type: none"> Tears/punctures Abrasions 	Y	N		
3. Spray System Interface with Liner <ul style="list-style-type: none"> Degradation to Geosynthetics 	Y	N		
Storm Water Management				
1. Drainage Swales <ul style="list-style-type: none"> Erosion Sediment/Debris Accumulation 	Y	N		
2. Infiltration Ponds <ul style="list-style-type: none"> Erosion Sediment Accumulation Vegetation 	Y	N		
3. Culverts <ul style="list-style-type: none"> Erosion Sediment / Debris 	Y	N		
4. Emergency Overflow <ul style="list-style-type: none"> Erosion Sediment / Debris 	Y	N		
5. Ditches and Other Areas <ul style="list-style-type: none"> Erosion Sediment / Debris 	Y	N		

Notes:

¹ If answer is "Yes", then a description of the damage observed must be provided in the "Comments" box.

² Condition of geosynthetics as observed during routine CAMU activities. Detailed geosynthetics inspections are performed semi-annually.

Inspector's Signature: 

CAMU Leachate and Leak Detection System and Evaporative Spray System Inspection Form

Corrective Action Management Unit U. S. Steel – Gary Works Gary, Indiana

Date of Inspection: 8-3-17

Inspector: J. Puszeki

Time: 0700

Weather: 69° Clear

Item	Inspected? Yes/No	Damage? ¹ Yes/No	Comments	Description of Repairs Performed Initiation/Completion ²
CAMU Unit 1 Leachate and Leak Detection System				
1. Leachate Collection Pipes • Soil / Waste Material Accumulation	Y	N		
2. Leachate Collection Sump Pump • Pump Station Control Panel • High/low Water Switches • Pump operation ³	Y	OFF		
3. Leak Detection Collection Pipes • Soil / Waste Material Accumulation	Y	N		
4. Leak Detection Sump Pump • Pump Station Control Panel • High/low Water Switches • Pump Operation ³	Y	N		
CAMU Unit 2 Leachate and Leak Detection System				
1. Leachate Collection Pipes • Soil / Waste Material Accumulation	Y	Y		
2. Leachate Collection Sump Pump • Pump Station Control Panel • High/low Water Switches • Pump Operation ³	Y	OFF		
3. Leak Detection Collection Pipes • Soil / Waste Material Accumulation	Y	Y		
4. Leak Detection Sump Pump • Pump Station Control Panel • High/low Water Switches • Pump Operation ³	Y	N		
Evaporative Spray System ⁴				
1. Conveyance Pipe • Leaks / Water Pressure	Y	N		
2. Pipe Joints • Leaks / Water Pressure	Y	N		
3. Sprinkler Heads • Uniform Circular Spray • Clogs	Y	N		

Notes:

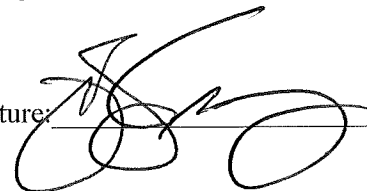
¹ If answer is "Yes", then a description of the damage observed must be provided in the "Comments" box.

² Repairs to be completed within one (1) month after damage/deficiency is observed and documented.

³ Operation of pumps can be determined by cycling the pumps on/off and monitoring the discharge from the piping attached to the pump.

⁴ Evaporative spray system inspections are performed only when the spray system is operating.

Inspector's Signature: _____



CAMU Site Inspection Form

Corrective Action Management Unit U. S. Steel – Gary Works Gary, Indiana

Date of Inspection: 9-6-17

Inspector: J. Prusiecki

Time: 0645

Weather: 50° partly cloudy

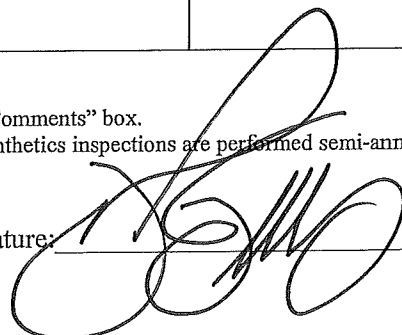
Item	Inspected? Yes/No	Damage? ¹ Yes/No	Comments	Repairs and Maintenance Performed Initiation/Completion
General Site Conditions				
1. Roadway • Erosion/ruts • Settlement	Y	N		
2. Security Fence • Holes • Gate damage / Locks/ Signage	Y	N		
CAMU Unit 1				
1. Berm • Erosion / Washout • Settlement • Vegetation	Y	N		
2. Geosynthetics ² • Tears/punctures • Abrasions	Y	N		
CAMU Unit 2				
1. Berm • Erosion / Washout • Settlement • Vegetation	Y	N		
2. Geosynthetics ² • Tears/punctures • Abrasions	Y	N		
3. Spray System Interface with Liner • Degradation to Geosynthetics	Y	N		
Storm Water Management				
1. Drainage Swales • Erosion • Sediment/Debris Accumulation	Y	N		
2. Infiltration Ponds • Erosion • Sediment Accumulation • Vegetation	Y	N		
3. Culverts • Erosion • Sediment / Debris	Y	N		
4. Emergency Overflow • Erosion • Sediment / Debris	Y	N		
5. Ditches and Other Areas • Erosion • Sediment / Debris	Y	N		

Notes:

¹ If answer is "Yes", then a description of the damage observed must be provided in the "Comments" box.

² Condition of geosynthetics as observed during routine CAMU activities. Detailed geosynthetics inspections are performed semi-annually.

Inspector's Signature: _____



CAMU Leachate and Leak Detection System and Evaporative Spray System Inspection Form

**Corrective Action Management Unit
U. S. Steel – Gary Works
Gary, Indiana**

Date of Inspection: 9-6-17

Inspector: J. Pusicki

Time: 0700

Weather: 50° partly cloudy

Item	Inspected? Yes/No	Damage? ¹ Yes/No	Comments	Description of Repairs Performed Initiation/Completion ²
CAMU Unit 1 Leachate and Leak Detection System				
1. Leachate Collection Pipes • Soil / Waste Material Accumulation	Y	N		
2. Leachate Collection Sump Pump • Pump Station Control Panel • High/low Water Switches • Pump operation ³	Y	OFF		
3. Leak Detection Collection Pipes • Soil / Waste Material Accumulation	Y	N	LCPI-2 pump appears to run intermittently	Troubleshoot + working 9/12/17
4. Leak Detection Sump Pump • Pump Station Control Panel • High/low Water Switches • Pump Operation ³	Y	N		
CAMU Unit 2 Leachate and Leak Detection System				
1. Leachate Collection Pipes • Soil / Waste Material Accumulation	Y	N		
2. Leachate Collection Sump Pump • Pump Station Control Panel • High/low Water Switches • Pump Operation ³	Y	OFF		
3. Leak Detection Collection Pipes • Soil / Waste Material Accumulation	Y	N		
4. Leak Detection Sump Pump • Pump Station Control Panel • High/low Water Switches • Pump Operation ³	Y	N		
Evaporative Spray System ⁴				
1. Conveyance Pipe • Leaks / Water Pressure	Y	N		
2. Pipe Joints • Leaks / Water Pressure	Y	N		
3. Sprinkler Heads • Uniform Circular Spray • Clogs	Y	N		

Notes:

¹ If answer is "Yes", then a description of the damage observed must be provided in the "Comments" box.

² Repairs to be completed within one (1) month after damage/deficiency is observed and documented.

³ Operation of pumps can be determined by cycling the pumps on/off and monitoring the discharge from the piping attached to the pump.

⁴ Evaporative spray system inspections are performed only when the spray system is operating.

Inspector's Signature: _____



CAMU Site Inspection Form

Corrective Action Management Unit U. S. Steel – Gary Works Gary, Indiana

Date of Inspection: 10-9-17

Inspector: J. Pmsick

Time: 0645

Weather: 53° clear

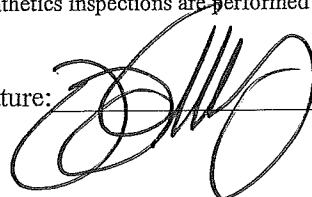
Item	Inspected? Yes/No	Damage? ¹ Yes/No	Comments	Repairs and Maintenance Performed Initiation/Completion
General Site Conditions				
1. Roadway • Erosion/ruts • Settlement	Y	N		
2. Security Fence • Holes • Gate damage / Locks/ Signage	Y	N		
CAMU Unit 1				
1. Berm • Erosion / Washout • Settlement • Vegetation	Y	N		
2. Geosynthetics ² • Tears/punctures • Abrasions	Y	N		
CAMU Unit 2				
1. Berm • Erosion / Washout • Settlement • Vegetation	Y	N		
2. Geosynthetics ² • Tears/punctures • Abrasions	Y	N		
3. Spray System Interface with Liner • Degradation to Geosynthetics	Y	N		
Storm Water Management				
1. Drainage Swales • Erosion • Sediment/Debris Accumulation	Y	N		
2. Infiltration Ponds • Erosion • Sediment Accumulation • Vegetation	Y	N		
3. Culverts • Erosion • Sediment / Debris	Y	✓		
4. Emergency Overflow • Erosion • Sediment / Debris	X	N		
5. Ditches and Other Areas • Erosion • Sediment / Debris	Y	N		

Notes:

¹ If answer is "Yes", then a description of the damage observed must be provided in the "Comments" box.

² Condition of geosynthetics as observed during routine CAMU activities. Detailed geosynthetics inspections are performed semi-annually.

Inspector's Signature: _____



CAMU Leachate and Leak Detection System and Evaporative Spray System Inspection Form

Corrective Action Management Unit U. S. Steel – Gary Works Gary, Indiana

Date of Inspection: 10-9-17

Inspector: J. Prusiecki

Time: 0645

Weather: 53° Clear

Item	Inspected? Yes/No	Damage? ¹ Yes/No	Comments	Description of Repairs Performed Initiation/Completion ²
CAMU Unit 1 Leachate and Leak Detection System				
1. Leachate Collection Pipes • Soil / Waste Material Accumulation	Y	N		
2. Leachate Collection Sump Pump • Pump Station Control Panel • High/low Water Switches • Pump operation ³	Y	OFF		
3. Leak Detection Collection Pipes • Soil / Waste Material Accumulation	Y	N	LCP 1-2 + LCP 1-3, Lk pumps not running.	Reset breakers on both Running ok
4. Leak Detection Sump Pump • Pump Station Control Panel • High/low Water Switches • Pump Operation ³	Y	N		
CAMU Unit 2 Leachate and Leak Detection System				
1. Leachate Collection Pipes • Soil / Waste Material Accumulation	Y	N		
2. Leachate Collection Sump Pump • Pump Station Control Panel • High/low Water Switches • Pump Operation ³	Y	OFF		
3. Leak Detection Collection Pipes • Soil / Waste Material Accumulation	Y	N	#4. Metering M41 High Sump Alarm - 10/16/17	M41 pumped water out 10-19-17; due to heavy rain
4. Leak Detection Sump Pump • Pump Station Control Panel • High/low Water Switches • Pump Operation ³	Y	Y	Power loss to Unit Nothing operating	Travelshot on 11-16; 2-25 AMP fuses replaced System powered up
Evaporative Spray System ⁴				
1. Conveyance Pipe • Leaks / Water Pressure	N/A			
2. Pipe Joints • Leaks / Water Pressure	N/A			
3. Sprinkler Heads • Uniform Circular Spray • Clogs	N/A			

Notes:

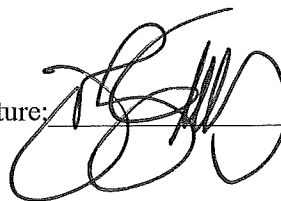
¹ If answer is "Yes", then a description of the damage observed must be provided in the "Comments" box.

² Repairs to be completed within one (1) month after damage/deficiency is observed and documented.

³ Operation of pumps can be determined by cycling the pumps on/off and monitoring the discharge from the piping attached to the pump.

⁴ Evaporative spray system inspections are performed only when the spray system is operating.

Inspector's Signature: _____



CAMU Site Inspection Form

Corrective Action Management Unit U. S. Steel – Gary Works Gary, Indiana

Date of Inspection: 11-6-17

Inspector: J. Prusiecki

Time: 0645

Weather: Clear, 40°

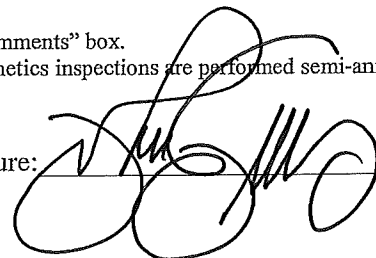
Item	Inspected? Yes/No	Damage? ¹ Yes/No	Comments	Repairs and Maintenance Performed Initiation/Completion
General Site Conditions				
1. Roadway • Erosion/ruts • Settlement	Y	N		
2. Security Fence • Holes • Gate damage / Locks/ Signage	Y	N		
CAMU Unit 1				
1. Berm • Erosion / Washout • Settlement • Vegetation	Y	N		
2. Geosynthetics ² • Tears/punctures • Abrasions	Y	N		
CAMU Unit 2				
1. Berm • Erosion / Washout • Settlement • Vegetation	Y	N		
2. Geosynthetics ² • Tears/punctures • Abrasions	Y	N		
3. Spray System Interface with Liner • Degradation to Geosynthetics	N/A	N/A		
Storm Water Management				
1. Drainage Swales • Erosion • Sediment/Debris Accumulation	Y	N		
2. Infiltration Ponds • Erosion • Sediment Accumulation • Vegetation	Y	N		
3. Culverts • Erosion • Sediment / Debris	Y	N		
4. Emergency Overflow • Erosion • Sediment / Debris	Y	N		
5. Ditches and Other Areas • Erosion • Sediment / Debris	Y	N		

Notes:

¹ If answer is "Yes", then a description of the damage observed must be provided in the "Comments" box.

² Condition of geosynthetics as observed during routine CAMU activities. Detailed geosynthetics inspections are performed semi-annually.

Inspector's Signature: _____



CAMU Leachate and Leak Detection System and Evaporative Spray System Inspection Form

**Corrective Action Management Unit
U. S. Steel – Gary Works
Gary, Indiana**

Date of Inspection: 11-6-17

Inspector: J. Pruszecki

Time: 0700

Weather: Clear 40°

Item	Inspected? Yes/No	Damage? ¹ Yes/No	Comments	Description of Repairs Performed Initiation/Completion ²
CAMU Unit 1 Leachate and Leak Detection System				
1. Leachate Collection Pipes • Soil / Waste Material Accumulation	Y	N		
2. Leachate Collection Sump Pump • Pump Station Control Panel • High/low Water Switches • Pump operation ³	Y	OFF		
3. Leak Detection Collection Pipes • Soil / Waste Material Accumulation	Y	N	LCP 1-3 Lb pump not running	
4. Leak Detection Sump Pump • Pump Station Control Panel • High/low Water Switches • Pump Operation ³	Y	N		
CAMU Unit 2 Leachate and Leak Detection System				
1. Leachate Collection Pipes • Soil / Waste Material Accumulation	Y	N		
2. Leachate Collection Sump Pump • Pump Station Control Panel • High/low Water Switches • Pump Operation ³	Y	OFF		
3. Leak Detection Collection Pipes • Soil / Waste Material Accumulation	Y	N		
4. Leak Detection Sump Pump • Pump Station Control Panel • High/low Water Switches • Pump Operation ³	Y	N	Reduction in LC panel not programmed, need systems to address	
Evaporative Spray System ⁴				
1. Conveyance Pipe • Leaks / Water Pressure	N/A	N/A		
2. Pipe Joints • Leaks / Water Pressure	N/A	N/A		
3. Sprinkler Heads • Uniform Circular Spray • Clogs	N/A	N/A		

Notes:

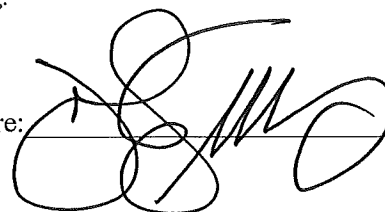
¹ If answer is "Yes", then a description of the damage observed must be provided in the "Comments" box.

² Repairs to be completed within one (1) month after damage/deficiency is observed and documented.

³ Operation of pumps can be determined by cycling the pumps on/off and monitoring the discharge from the piping attached to the pump.

⁴ Evaporative spray system inspections are performed only when the spray system is operating.

Inspector's Signature: _____



CAMU Site Inspection Form

Corrective Action Management Unit U. S. Steel – Gary Works Gary, Indiana

Date of Inspection: 12-4-17

Inspector: J. Prusecki

Time: 0700

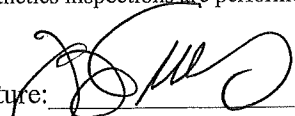
Weather: 52° clear

Item	Inspected? Yes/No	Damage? ¹ Yes/No	Comments	Repairs and Maintenance Performed Initiation/Completion
General Site Conditions				
1. Roadway <ul style="list-style-type: none"> Erosion/ruts Settlement 	Y	N		
2. Security Fence <ul style="list-style-type: none"> Holes Gate damage / Locks/ Signage 	Y	N		
CAMU Unit 1				
1. Berm <ul style="list-style-type: none"> Erosion / Washout Settlement Vegetation 	Y	N		
2. Geosynthetics ² <ul style="list-style-type: none"> Tears/punctures Abrasions 	Y	N	Some spare liner material blank up on berm	will be removed & restored
CAMU Unit 2				
1. Berm <ul style="list-style-type: none"> Erosion / Washout Settlement Vegetation 	Y	N		
2. Geosynthetics ² <ul style="list-style-type: none"> Tears/punctures Abrasions 	Y	N		
3. Spray System Interface with Liner <ul style="list-style-type: none"> Degradation to Geosynthetics 	N/A	N/A		
Storm Water Management				
1. Drainage Swales <ul style="list-style-type: none"> Erosion Sediment/Debris Accumulation 	Y	N		
2. Infiltration Ponds <ul style="list-style-type: none"> Erosion Sediment Accumulation Vegetation 	Y	N		
3. Culverts <ul style="list-style-type: none"> Erosion Sediment / Debris 	Y	N		
4. Emergency Overflow <ul style="list-style-type: none"> Erosion Sediment / Debris 	Y	N		
5. Ditches and Other Areas <ul style="list-style-type: none"> Erosion Sediment / Debris 	Y	N		

Notes:

¹ If answer is "Yes", then a description of the damage observed must be provided in the "Comments" box.

² Condition of geosynthetics as observed during routine CAMU activities. Detailed geosynthetics inspections are performed semi-annually.

Inspector's Signature: 

CAMU Leachate and Leak Detection System and Evaporative Spray System Inspection Form

Corrective Action Management Unit U. S. Steel – Gary Works Gary, Indiana

Date of Inspection: 12-4-17

Inspector: J. Prusiecki

Time: 0645

Weather: 52°, clear

Item	Inspected? Yes/No	Damage? ¹ Yes/No	Comments	Description of Repairs Performed Initiation/Completion ²
CAMU Unit 1 Leachate and Leak Detection System				
1. Leachate Collection Pipes • Soil / Waste Material Accumulation	Y	N		
2. Leachate Collection Sump Pump • Pump Station Control Panel • High/low Water Switches • Pump operation ³	Y	N		
3. Leak Detection Collection Pipes • Soil / Waste Material Accumulation	Y	N		
4. Leak Detection Sump Pump • Pump Station Control Panel • High/low Water Switches • Pump Operation ³	Y	N	All LD pumps in operation	
CAMU Unit 2 Leachate and Leak Detection System				
1. Leachate Collection Pipes • Soil / Waste Material Accumulation	Y	N		
2. Leachate Collection Sump Pump • Pump Station Control Panel • High/low Water Switches • Pump Operation ³	Y	N		
3. Leak Detection Collection Pipes • Soil / Waste Material Accumulation	Y	N		
4. Leak Detection Sump Pump • Pump Station Control Panel • High/low Water Switches • Pump Operation ³	Y	N	All LD pumps in service	
Evaporative Spray System ⁴				
1. Conveyance Pipe • Leaks / Water Pressure	N/A			
2. Pipe Joints • Leaks / Water Pressure	N/A			
3. Sprinkler Heads • Uniform Circular Spray • Clogs	N/A			

Notes:

¹ If answer is "Yes", then a description of the damage observed must be provided in the "Comments" box.

² Repairs to be completed within one (1) month after damage/deficiency is observed and documented.

³ Operation of pumps can be determined by cycling the pumps on/off and monitoring the discharge from the piping attached to the pump.

⁴ Evaporative spray system inspections are performed only when the spray system is operating.

Inspector's Signature: _____

