Standard Operating Procedure – SPCC and PIPP Tank and Area Inspections

1. Purpose

The purpose of this SOP is to define how to properly inspect tanks subject to Spill Prevention, Control and Countermeasures Plan (SPCC) and Pollution Incident Prevention Plan (PIPP) requirements, oil containing operating equipment and secondary containment at EES Coke Battery LLC.

2. Scope

This document is intended to provide a description on how to inspect SPCC and PIPP tanks, oil containing operating equipment and secondary containment at EES Coke Battery LLC and document the results.

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 and Byproducts plant PPE (leather gloves; FR clothing; hard hat; safety glasses; radio; metatarsal safety boots; hearing protection; CO detector; 4-gas meter (when in By-products plant); ½- face respirator on person or in place in respirator required areas).

5. Communication

1. Have radio tuned to the correct channel depending on location within the facility.
2. Field Personnel shall sign into the logbook at the Battery Foreman's Office before entering East or West pusher.
3. Field Personnel shall sign into the logbook at CR2 before entering the By-products plant.
4. If any problems are noted, contact the environmental staff, appropriate area supervisor (Battery Foreman or Byproducts supervisor) and Sidock Environmental personnel.

6. Safety Requirements

1. Be aware of all surroundings while performing SPCC and PIPP inspections.

7. Procedure

1. Field personnel shall inspect all tanks, process vessels, bulk storage containers, and operational equipment listed on the EES Coke Battery LLC Monthly Tank Inspection Form at least once each calendar month. The monthly tank inspections shall include:
   - A check of tank containment structures for water, debris, cracks or fire hazards, localized vegetation, inoperable drain valves, drain valves in closed position.
   - A check that access pathways to tank containment structures are clear of impediments and hazards.
   - A check of the interstitial space on double wall tanks for signs of leakage.
   - A check of floats on double wall tanks to determine whether liquid is in the interstitial space.
   - A check for visible signs of leakage from tanks and vessels, including drip marks, discoloration, puddles containing spilled or leaked materials, corrosion, cracks or other shell distortions.
   - A check of soil surrounding tanks and vessels for signs of leakage.
   - A check of valves on tank equipment for leaks.
   - A check that drain valves for tank equipment are closed and locked.
   - A verification that liquid level and overfill equipment associated with tanks are operational.
   - A check of piping connections and spill boxes associated with tank equipment for leaks.
   - A check of ladders and platforms associated with tank equipment to determine whether they are secure with no sign of damage.
   - A check of tank foundations for cracks, discoloration, puddles containing spilled or leaked material, settling, gaps between tank and foundation and damage caused by roots and vegetation.
   - A check of piping for leaks, discoloration, corrosion, bowing between pipe supports, and seepage from valves or seals.
2. Field personnel shall inspect the secondary containment areas, operational equipment, transformers, oil-water separators, gearboxes and plant areas listed on the EES Coke Battery LLC Monthly Area Inspection Form at least once each calendar month. The monthly area inspections shall include:
   - For portable tanks:
     - A check that portable tanks are within the designated storage area and, if no containment is provided, that an applicable threshold planning quantity (TPQ) is not exceeded.
     - A check of containment and storage areas for debris, spills or other fire hazards.
     - A check of outdoor secondary containment structures for the presence of water.
     - A check that drain valves associated with containment structures are operable and in the closed position.

- A check that egress pathways to containment areas or equipment are clear and that gates/doors are operable.
- A check for visible signs of leakage around containers and storage areas.
- A check of the interstitial space on double wall tanks for signs of leakage.
- A check of containers for noticeable distortions, buckling, denting or bulging.

- For containment areas:
  - A check for debris, spills, or other fire hazard in the containment structures.
  - A check for cracks or other damage to the containment structures.
  - A check for significant vegetation in the containment structures.
  - A check that drain valves for the containment structures are operable and in the closed position.
  - A check that egress pathways to the containment structures are clear and gates/doors are operable.
  - A check for visible signs of leakage, spills or run-off.
- For oil-water separators and gearboxes:
  - A check for spills and leaks
- For spill kits:
  - Spill kits shall be inspected in accordance with ENV-EES-16.

3. A tank, process vessel, bulk storage container, or operational equipment is considered "**Not OK**" if any of the following conditions are observed during the inspection performed under Step 1 above:
   - Tank containment structures containing water (to the extent that it could interfere with the volume of secondary containment, such as > 2" of water), debris, cracks, fire hazards, significant vegetation, inoperable drain valves, or drain valves in the open position.
   - There are signs of leakage in the interstitial space on double wall tanks.
   - Visible signs of leakage from tanks and vessels, including drip marks, discoloration, puddles containing spilled or leaked materials, corrosion, cracks or other shell distortions.
   - Signs of leakage on soil surrounding tanks and vessels.
   - Leaking valves on tank equipment.
   - Open and/or unlocked drain valves for tank equipment.
   - Inoperable liquid level and overfill equipment associated with tanks.
   - Leaking piping connections and/or spill boxes associated with tank equipment.
   - Ladders and platforms associated with tank equipment that are damaged or not secure.
   - Cracked or discolored tank foundations.
   - A check for puddles containing spilled or leaked material in the vicinity of tank foundations.
   - Settling of tank foundations.
   - Gaps between tanks and foundations.
   - Damaged tank foundations.
   - Leaking, discolored and or corroded piping.
   - Bowing of piping between pipe supports.
   - Seepage from valves or seals.

4. A secondary containment area, operational equipment, transformer, and plant area is considered "**Not OK**" if any of the following conditions are observed during the inspection performed under Step 2 above:
   - Portable tanks that are not within the designated storage area
   - Portable tanks without containment and an applicable threshold planning quantity (TPQ) is exceeded.
   - Containment or storage areas containing debris, spills or other fire hazards.
   - Outdoor secondary containment structures containing water (to the extent that it could interfere with the volume of secondary containment, such as > 2" of water).
   - Drain valves associated with containment structures that are operable and/or in the open position.
   - Visible signs of leakage around containers and storage areas.
   - Signs of leakage in the interstitial space on double wall tanks.
   - Containers with noticeable distortions, buckling, denting or bulging.
   - Cracked or damaged containment area structures.
   - Containment structures containing debris, spills, or other fire hazards.
   - Containment structures containing significant vegetation.
   - Inoperable and/or open drain valves for the containment structures.
   - Visible signs of leakage, spills or run-off from containment structures.
5. Field personnel shall document the monthly tank inspections performed under Step 1 above by documenting the following on the EES Coke Battery LLC Monthly Tank Inspection Form:
   - Date of inspection
   - Time of inspection
   - Retain Until Date (i.e., 5 years from the date of the inspection)
   - Inspector's Name
   - Inspector's Signature
   - Identification of the status of each tank, process vessel, bulk storage container, and operational equipment listed on the form relative to the applicable requirements as specified below:
     - If the applicable requirements are being met, the "OK" box shall be checked.
     - If the requirements are not being met, the "Not OK" box shall be checked.
   - Comments, issues and/or corrective actions taken relative to the findings of the inspection.
6. Field personnel shall document the monthly area inspections performed under Step 2 above by documenting the following on the EES Coke Battery LLC Monthly Area Inspection Form:
   - Date of inspection
   - Time of inspection
   - Retain Until Date (i.e., 5 years from the date of the inspection)
   - Inspector's Name
   - Inspector's Signature

- Identification of the status of each secondary containment area, operational equipment, transformer, oil-water separator, gearbox, and plant area listed on the form relative to the applicable requirements as specified below:
  - If the applicable requirements are being met, the "OK" box shall be checked.
  - If the requirements are not being met, the "Not OK" box shall be checked.
- Identification of any problems or conditions found during the inspection in the "Comments" column of the form.
- Identification of actions taken to address problems or conditions found during the inspection (including the date the condition/issue was mitigated) in the "Action Taken" column.

7. Field personnel shall also document the spill kit inspections by completing the Monthly Spill Kit Inspection Checklist and the Spill Kit Inspection Checklist as required in ENV-EES-16.
8. Field personnel shall notify the EES Coke Environmental Personnel, appropriate EES Coke area supervisor (Battery Foreman or Byproducts supervisor) and Sidock Environmental personnel as soon as possible if any issues are noted during the tank or area inspections.
9. Field personnel shall review the completed EES Coke Battery LLC Monthly Tank Inspection Form and EES Coke Battery LLC Monthly Area Inspection Form to confirm that the information specified in Steps 5 and 6 is documented.
10. The completed EES Coke Battery LLC Monthly Tank Inspection Form and EES Coke Battery LLC Monthly Area Inspection Form shall be included in the weekly inspection report for the week and distributed in accordance with the requirements for the weekly inspection reports specified in ENV-EES-18.
11. If any items on the Monthly Tank Inspection Form or Monthly Area Inspection Form are identified as "NOT OK", Sidock field personnel shall complete a follow-up inspection of the items identified as "NOT OK" within two weeks after the applicable monthly inspection is completed to determine whether corrective actions have been implemented.
12. Follow-up inspections will be documented on the applicable monthly inspection form. The documentation will include:
    a. The date and time of the follow-up inspection.
    b. The name and signature of the field personnel performing the follow-up inspection.
    c. Specification of whether the issues identified during the weekly inspection have been mitigated.
    d. If the issue(s) have been mitigated, a brief description of the corrective action that was implemented to address the issue.
    e. If the issue(s) have not been mitigated, a brief description of the actions taken by the field staff in response to the follow-up inspection.

8. References

1. EES Coke Battery LLC Spill Prevention, Control and Countermeasures (SPCC) Plan
2. EES Coke Battery LLC Pollution Incident Prevention Plan (PIPP)

9. Attachments

- EES Coke Battery LLC Monthly Tank Inspection Form
- EES Coke Battery LLC Monthly Area Inspection Form
- Site Plan Diagram Detail #1 – H201963 (showing SPCC and PIPP tank locations, operational equipment and secondary containment locations)
- Site Plan Diagram – H201962

Summary of changes			
Review	**Date**	**Changes Description**	**Changed by**
0	8/21/2020	Original procedure	R. Kalinowsky
1	7/20/2021	Removed old Section 7.2 regarding monitoring of the leak detection wells associated with Tank 37 and renumbered the rest of Section 7.	R. Kimble
2	1/20/2022	Added "or area" in Section 7.8, added new Sections 7.11 and 7.12. Updated Monthly Tank and Area Inspection forms. Updated Diagrams H201962 and H201963	K. Janis
3			
4			
5			

EES Coke Battery, LLC

Monthly Tank Inspection

Bulk Storage Tanks and Process Equipment

General Inspection Information:		(Retain for 5 years)	
Inspection Date:		Retain Until Date:	
Inspection Time:		Inspector Name:	
Report any items with Not OK status to appropriate supervisor & complete follow up inspection at the end of this report		**INSPECTOR SIGNATURE:**	

Bulk Storage Tanks and Process Equipment	**Visual Inspection of the following:**
Tank Containment:	Check containment structure for water, debris, cracks or fire hazard, localized vegetation, drain valves operable and in a closed position, clear access pathways. If a double wall tank is in use, check the interstitial space for signs of leakage
Tanks and Vessels:	Look for visible signs of leakage including drip marks, discoloration, puddles containing spilled or leaked materials, corrosion, cracks or other shell distortions. Check surrounding soil for signs of leakage
Tank Equipment:	Check valves for leaks, drain valves closed and locked, verify operation of liquid level and overfill equipment, check piping connections and spill boxes for leaks. Check that ladders and platforms are secure with no signs of damage
Tank Foundations:	Check foundation for cracks, discoloration, puddles containing spilled or leaked material, settling, gaps between tank and foundation, damage caused by roots or vegetation
Double Walled Tanks	Check float to determine if liquid is in interstitial space.
Piping:	Check piping for leaks, discoloration, corrosion, bowing of pipe between supports, seepage from valves or seals

DEPARTMENT - BYPRODUCTS

Tank Name	**Tank ID**	**Tank Class**	**Contents**	**Status**				**Comments/ Issue / Corrective Action Taken**
No. 1 Tar Storage Tank	BP-1	Bulk Storage Container	Tar		OK		Not OK	
No. 2 Tar Storage Tank	BP-2	Bulk Storage Container	Tar		OK		Not OK	
No. 3 Weak Ammonia Liquor Tank	BP-3	Process Vessel	Weak Ammonia Liquor		OK		Not OK	
No. 4 Weak Ammonia Liquor Tank	BP-4	Process Vessel	Weak Ammonia Liquor		OK		Not OK	
No. 7 Weak Ammonia Liquor Tank	BP-7	Process Vessel	Weak Ammonia Liquor		OK		Not OK	
No. 8 Launder Tank	BP-8	Bulk Storage Container	Tar, Ammonia, Water		OK		Not OK	
No. 17 Liquor Emergency Overflow Storage Tank	BP-17	Bulk Storage Container	Tar, Ammonia Liquor		OK		Not OK	
No. 18 Fresh Oil Storage Tank	BP-18	Bulk Storage Container	Wash Oil		OK		Not OK	
Caustic Storage Tank	BP-23	Bulk Storage Container	PIPP chemical		OK		Not OK	
No. 24 Rich Liquor Tank	BP-24	Process Vessel	Rich Liquor		OK		Not OK	
No. 37 Light Oil Storage Tank	BP-37	Bulk Storage Container	Crude Light Oil		OK		Not OK	
No. 38 Oil Water Separator Tank	BP-38	Process Vessel	Oil/ Water		OK		Not OK	
No. 40 Light Oil Scrubber Drain Tank	BP-40	Process Vessel	Light Oil		OK		Not OK	
No. 44 Cold Wash Oil Decanter	BP-44	Process Vessel	Wash Oil		OK		Not OK	
No. 61 Hot Wash Oil Decanter	BP-61	Process Vessel	Wash Oil		OK		Not OK	

EES Coke Battery, LLC

Monthly Tank Inspection

Bulk Storage Tanks and Process Equipment

General Inspection Information:		(Retain for 5 years)	
Inspection Date:		Retain Until Date:	
Inspection Time:		Inspector Name:	
Report any items with Not OK status to appropriate supervisor & complete follow up inspection at the end of this report		**INSPECTOR SIGNATURE:**	

DEPARTMENT - BYPRODUCTS

Tank Name	Tank ID	Tank Class	Contents	Status				Comments/ Issue / Corrective Action Taken
North Flushing Liquor Decanter	BP-62	Process Vessel	Flushing Liquor and Tar		OK		Not OK	
Mid Flushing Liquor Decanter	BP-63	Process Vessel	Tar, Ammonia, Water		OK		Not OK	
South Flushing Liquor Decanter	BP-64	Process Vessel	Tar, Ammonia, Water		OK		Not OK	
No. 65 West Light Oil Scrubber	BP-65	Process Vessel	Light Oil		OK		Not OK	
No. 66 East Light Oil Scrubber	BP-66	Process Vessel	Light Oil		OK		Not OK	
North Tar Dehydrator/Boiler	BP-71	Process Vessel	Tar		OK		Not OK	
South Tar Dehydrator/Boiler	BP-72	Process Vessel	Tar		OK		Not OK	
Flushing Liquor Tank	BP-73	Process Vessel	Ammonia /Water		OK		Not OK	
Light Oil Rectifier (out of service)	BP-75	Pressure Tank	Light Oil		OK		Not OK	Curently Out of Service
Wash Oil Still	BP-76	Pressure Tank	Wash Oil		OK		Not OK	
Wash Oil Purifier	BP-77	Pressure Tank	Wash Oil		OK		Not OK	
Light Oil Separator	BP-78	Pressure Tank	Light Oil		OK		Not OK	
Wash Oil Separator	BP-79	Pressure Tank	Wash Oil		OK		Not OK	
North Primary Cooler	BP-90	Pressure Tank	Ammonia / Tar / Water		OK		Not OK	
South Primary Cooler	BP-91	Pressure Tank	Ammonia / Tar / Water		OK		Not OK	
North Primary Cooler Seal Pot	BP-92	Pressure Tank	Ammonia / Tar / Water		OK		Not OK	
South Primary Cooler Seal Pot	BP-93	Pressure Tank	Ammonia / Tar / Water		OK		Not OK	
East Ammonia Scrubber	BP-94	Pressure Tank	Rich Ammonia Liquor		OK		Not OK	
West Ammonia Scrubber	BP-95	Pressure Tank	Rich Ammonia Liquor		OK		Not OK	
Naphthalene	BP-103	Process vessel	Light oil/ naphthlene		OK		Not OK	
Brine Mix Tank (In Soft Water Plant)	BP-108	Bulk Storage Container	PIPP chemical		OK		Not OK	
Bleach Tank (Inside dosing building)	BP-113	Bulk Storage Container	PIPP chemical		OK		Not OK	
Dispersant	BP-114	Bulk Storage Container	Water Treatment		OK		Not OK	
Dispersant	BP-117	Bulk Storage Container	Water Treatment		OK		Not OK	
Bleach Tank (Inside WSAC dosing bldg)	BP-118	Bulk Storage Container	PIPP chemical		OK		Not OK	Currently Out of Service
Flushing Liquor -Strainer East No. 1	BP-119	Process Vessel	Flushing Liquor		OK		Not OK	
Flushing Liquor -Strainer East No. 2	BP-120	Process Vessel	Flushing Liquor		OK		Not OK	
No. 1 Fuel Tank	BP-123	Bulk Storage Container	Fuel Oil		OK		Not OK	
Check float to determine if liquid is in interstitial space	I.	Interstitial Space	Fuel Oil		OK		Not OK	
KRP4122	BP-134	Portable Tank	Petroleum Distillate		OK		Not OK	

EES Coke Battery, LLC

Monthly Tank Inspection

Bulk Storage Tanks and Process Equipment

General Inspection Information:		(Retain for 5 years)	
Inspection Date:		Retain Until Date:	
Inspection Time:		Inspector Name:	
Report any items with Not OK status to appropriate supervisor & complete follow up inspection at the end of this report		**INSPECTOR SIGNATURE:**	

DEPARTMENT - BYPRODUCTS

Tank Name	Tank ID	Tank Class	Contents	Status				Comments/ Issue / Corrective Action Taken
Diesel Fuel Storage Tank	BP-147	Bulk Storage Container	Diesel Fuel		OK		Not OK	
Check float to determine if liquid is in interstitial space	BP-147	Interstitial Space	Diesel Fuel		OK		Not OK	
Gasoline Fuel Storage Tank	BP-148	Bulk Storage Container	Gasoline		OK		Not OK	
Check float to determine if liquid is in interstitial space	BP-148	Interstitial Space	Gasoline		OK		Not OK	
North Still	BP-160	Pressure Tank	Weak Ammonia Liquor		OK		Not OK	
South Still	BP-161	Pressure Tank	Weak Ammonia Liquor		OK		Not OK	
Tar Precipitator	BP-162	Pressure Tank	Tar		OK		Not OK	
Tar Precipitator	BP-163	Pressure Tank	Tar		OK		Not OK	
Tar Mix Tank #1	BP-164	Pressure Tank	Tar		OK		Not OK	
Tar Mix Tank #2	BP-165	Pressure Tank	Tar		OK		Not OK	
Bleach tank (Inside No. 3 Booster Building)	BP-171	Bulk Storage Container	PIPP chemical		OK		Not OK	
KR138CPL tank (Inside No. 3 Booster Building)	BP-172	Bulk Storage Container	PIPP chemical		OK		Not OK	
Used Oil tank (Inside No. 3 Booster Building)	BP-173	Bulk Storage Container	Used Oil		OK		Not OK	
KR56MSL tank (Inside soft water plant)	BP-174	Bulk Storage Container	PIPP chemical		OK		Not OK	
KR137L tank (Inside soft water plant)	BP-175	Bulk Storage Container	PIPP chemical		OK		Not OK	
Gas Drip Tank	BP-184	Bulk Storage Container	Gas Drip Condensate		OK		Not OK	
KR-138CPL (inside WSAC dosing bldg)	BP-188	Bulk Storage Container	PIPP chemical		OK		Not OK	
COG Condensate	BP-190	Bulk Storage Container	Water, Light Oil, Tar		OK		Not OK	

EES Coke Battery, LLC

Monthly Tank Inspection

Bulk Storage Tanks and Process Equipment

General Inspection Information:		(Retain for 5 years)	
Inspection Date:		Retain Until Date:	
Inspection Time:		Inspector Name:	
Report any items with Not OK status to appropriate supervisor & complete follow up inspection at the end of this report		**INSPECTOR SIGNATURE:**	

DEPARTMENT - #5 BATTERY

Tank Name	Tank ID	Tank Class	Contents	Status				Comments/ Issue / Corrective Action Taken
Tank #1	PT-1	Bulk Storage Container	Used Oil		OK		Not OK	
Tank #2	PT-2	Bulk Storage Container	Used Oil		OK		Not OK	
Tank #3	PT-3	Bulk Storage Container	Used Hydraulic Oil		OK		Not OK	
Tank #4	PT-4	Bulk Storage Container	Used Hydraulic Oil		OK		Not OK	
Tank #5	PT-5	Bulk Storage Container	Used Hydraulic Oil		OK		Not OK	
East Hydraulic Oil Storage Tank (north of battery)	BP-136	Bulk Storage Container	Hydraulic Oil		OK		Not OK	
East Hydraulic Oil Storage Tank	BP-137	Bulk Storage Container	Hydraulic Oil		OK		Not OK	
East Door Machine Hydraulic Tank	BP-139	Operational Equipment	Hydraulic Oil		OK		Not OK	
West Door Machine Hydraulic Tank	BP-140	Operational Equipment	Hydraulic Oil		OK		Not OK	
East Charge Car Hydraulic Tank No. 1	BP-141	Operational Equipment	Hydraulic Oil		OK		Not OK	
West Charge Car Hydraulic Tank No. 1	BP-142	Operational Equipment	Hydraulic Oil		OK		Not OK	
East Pusher Ram Gearbox	BP-143	Operational Equipment	Gear Oil		OK		Not OK	
West Pusher Ram Gearbox	BP-144	Operational Equipment	Gear Oil		OK		Not OK	
East Pusher Hydraulic Tank	BP-145	Operational Equipment	Hydraulic Oil		OK		Not OK	
West Pusher Hydraulic Tank	BP-146	Operational Equipment	Hydraulic Oil		OK		Not OK	
West Hydraulic Oil Storage Tank	BP-149	Bulk Storage Container	Hydraulic Oil		OK		Not OK	
South Car Mover Hydraulic Tank	BP-154	Operational Equipment	Hydraulic Oil		OK		Not OK	
North Car Mover Hydraulic Tank	BP-155	Operational Equipment	Hydraulic Oil		OK		Not OK	
MEC-202 (Currently contains non haz material)	BP-180	Bulk Storage Container	MEC 202		OK		Not OK	
MEC-202 (Currently contains non haz material)	BP-181	Bulk Storage Container	MEC 202		OK		Not OK	
Sodium Silicate	BP-182	Bulk Storage Container	Door Seal		OK		Not OK	
Gas Drip Condensate	BP-185	Bulk Storage Container	Gas Drip Condensate		OK		Not OK	
Lid Luting Material	BP-186	Bulk Storage Container	PIPP chemical		OK		Not OK	

EES Coke Battery, LLC

Monthly Tank Inspection

Bulk Storage Tanks and Process Equipment

General Inspection Information:		(Retain for 5 years)	
Inspection Date:		Retain Until Date:	
Inspection Time:		Inspector Name:	
Report any items with Not OK status to appropriate supervisor & complete follow up inspection at the end of this report		**INSPECTOR SIGNATURE:**	

Tank Name	**Tank ID**	**Tank Class**	**Contents**	**Status**	**Comments/ Issue / Corrective Action Taken**
US STEEL COG CONDENSATE					
US Steel COG Condensate	USS-01	Bulk Storage Container	Water, Light Oil, Tar	☐ OK ☐ Not OK	
US Steel COG Condensate	USS-02	Bulk Storage Container	Water, Light Oil, Tar	☐ OK ☐ Not OK	
US Steel COG Condensate	USS-03	Bulk Storage Container	Water, Light Oil, Tar	☐ OK ☐ Not OK	
US Steel COG Condensate	USS-04	Bulk Storage Container	Water, Light Oil, Tar	☐ OK ☐ Not OK	
US Steel COG Condensate	USS-05	Bulk Storage Container	Water, Light Oil, Tar	☐ OK ☐ Not OK	
US Steel COG Condensate	USS-06	Bulk Storage Container	Water, Light Oil, Tar	☐ OK ☐ Not OK	
US Steel COG Condensate	USS-07	Bulk Storage Container	Water, Light Oil, Tar	☐ OK ☐ Not OK	
COAL FIELD					
Diesel Fuel Storage Tank	CF-1	Bulk Storage Container	Diesel Fuel	☐ OK ☐ Not OK	
Diesel Fuel Storage Tank	CF-2	Bulk Storage Container	Diesel Fuel	☐ OK ☐ Not OK	
WASTE WATER TREATMENT PLANT					
Caustic Soda Tank	BIO-001	Bulk Storage Container	PIPP chemical	☐ OK ☐ Not OK	
Ferric Sulfate Tank	BIO-002	Bulk Storage Container	PIPP chemical	☐ OK ☐ Not OK	
BOILERHOUSE #2					
Used Oil	BH2-01	Bulk Storage Container	Used Oil	☐ OK ☐ Not OK	
Lubricating Oil	BH2-02	Bulk Storage Container	Lubricating Oil	☐ OK ☐ Not OK	
Oil	BH2-03	Bulk Storage Container	Oil	☐ OK ☐ Not OK	
Oil	BH2-04	Bulk Storage Container	Oil	☐ OK ☐ Not OK	
KR-60L	BH2-06	Bulk Storage Container	Sodium Bisulfite	☐ OK ☐ Not OK	
Brine Bulk Tank	BH2-07	Bulk Storage Container	PIPP chemical	☐ OK ☐ Not OK	
Brine Primary Day Tank	BH2-08	Bulk Storage Container	PIPP chemical	☐ OK ☐ Not OK	
TRANSFORMERS - See Monthly Area Inspections					
				☐ OK ☐ Not OK	

Follow up inspection date and time:	**Were problem(s) mitigated?** (Yes/No)	**Action Taken**
Inspector's Name:		
Inspector's Signature:		

EES Coke Battery, LLC

Monthly Area Inspection

Portable Tanks

General Inspection Information:		(Retain for 5 years)	
Inspection Date:		Retain Until Date:	
Inspection Time:		Inspector Name:	

Report any items with Not OK status to appropriate supervisor. Once the issue is mitigated, put the date the corrective action was taken.

INSPECTOR SIGNATURE:

Portable Tanks	**Visual Inspection of the following:**
Portable tanks are within designated storage area	
If no containment, TMQ is not exceeded (Oils = 1320 gallons, salts in liquid form = 1000 gallons, other outdoor = 440 lb, indoor = 2200 lb)	
No debris, spills, or other fire hazards in containment or storage area	
No water in outdoor secondary containment	
Drain valves operable and in a closed position	
Egress pathways clear and gates/doors operable	
No visible signs of leakage around the container or storage area	
If double wall tank, check interstitial space for leaking	
No noticeable container distortions, buckling, denting or bulging	

Portable tanks in the following areas are inspected:						
Area Inspected	**Status**				**Comments** (Describe any problems or conditions found during inspection)	**Action Taken** (include name of supervisor contacted, how they were contacted & time of contact)
By-Products Drum and Tote Storage		OK		Not OK		
By-Products outside by BP-24		OK		Not OK		
By-Products outside Pumphouse (BP-134)		OK		Not OK		
Waste Water Treatment (inside)		OK		Not OK		
Waste Water Treatment (outside)		OK		Not OK		
Coke Battery		OK		Not OK		
Coal Field - containers outside		OK		Not OK		
Conex Box - dums inside conex box		OK		Not OK		

EES Coke Battery, LLC

Monthly Area Inspection

Other Area Inspections

General Inspection Information:		(Retain for 5 years)	
Inspection Date:		Retain Until Date:	
Inspection Time:		Inspector Name:	

Report any items with Not OK status to appropriate supervisor. Once the issue is mitigated, put the date the corrective action was taken.

INSPECTOR SIGNATURE:

Other Area Inspections **Visually inspect the following:**

Area Inspected - what to look for	**Status**				**Comments** (Describe any problems or conditions found during inspection)	**Action Taken** (include name of supervisor contacted, how they were contacted & time of contact)
Spill Kits Inspection - Spill kit is sealed, spill equipment is available		OK		Not OK		
Outside Transformer (**Outside of EER7**) - Spills, leaks or run-off to nearby drains		OK		Not OK		
USS Mixer Bldg Substation Transformer 1 - 4800/480 Volt unit in a 3-walled, roofed enclosure.		OK		Not OK		
USS Mixer Bldg Substation Transformer 2 - 4800/480 Volt unit in a 3-walled, roofed enclosure.		OK		Not OK		
EER1 - Inside Transformers - Spills or leaks		OK		Not OK		
EER5 - Inside Transformers - Spills or leaks		OK		Not OK		
EER6 - Inside Transformers - Spills or leaks		OK		Not OK		
EER7 - Inside Transformers - Spills or leaks		OK		Not OK		
BP-143 East Pusher Ram Gearbox		OK		Not OK		
BP-144 West Pusher Ram Gearbox		OK		Not OK		

EES Coke Battery, LLC

Monthly Area Inspection

Containment Area Inspections

General Inspection Information:		(Retain for 5 years)	
Inspection Date:		Retain Until Date:	
Inspection Time:		Inspector Name:	

Report any items with Not OK status to appropriate supervisor. Once the issue is mitigated, put the date the corrective action was taken.

INSPECTOR SIGNATURE:

Containment Areas	**Visual Inspection of the following:**
No debris, spills, or other fire hazards in containment	Drain valves operable and in a closed position
No cracks or other damage	Egress pathways clear and gates/doors operable
No localized vegetation	No visible signs of leakage or spills or run-off

Containment Area Inspections — **Visually inspect the following:**

Secondary Containment Areas for	**Status**				**Comments** (Describe any problems or conditions found during inspection)	**Action Taken** (include name of supervisor contacted, how they were contacted & time of contact)
(1) - Tar tanks (BP-001, 002), Weak Ammonia Liquor (BP-003, 004) and BP-008		OK		Not OK		
(2) - Wash Oil (BP-018)		OK		Not OK		
(3) - Light Oil (BP-37) Check secondary containment and leak detection system.		OK		Not OK		
(4) - Weak Ammonia Liquor (BP-007)		OK		Not OK		
(5) -Inside Booster Station		OK		Not OK		
(6) -Dustreat DC9117 (BP-180, currently not in use as dustreat)		OK		Not OK		
(7) - Plant wide area		OK		Not OK		
(8a & 8b) - Diesel Fuel - coal field covered dikes		OK		Not OK		
(9) - 90 Day Storage area for Hazardous Waste outside Booster Station		OK		Not OK		
(10) - Spill Pallets in Conex Box in Coal Field.		OK		Not OK		
(11) - WWTP building		OK		Not OK		
(12) - Oil Water Separator (BP-038)		OK		Not OK		
(13) - Light Oil Loading Rack		OK		Not OK		
(14) - Tar Loading Rack		OK		Not OK		
(15) - Lid Luting Material (BP-186)		OK		Not OK		
(16) - Inside No. 2 Dosing Building		OK		Not OK		

EES Coke Battery, LLC

Monthly Area Inspection

Containment Area Inspections Continued

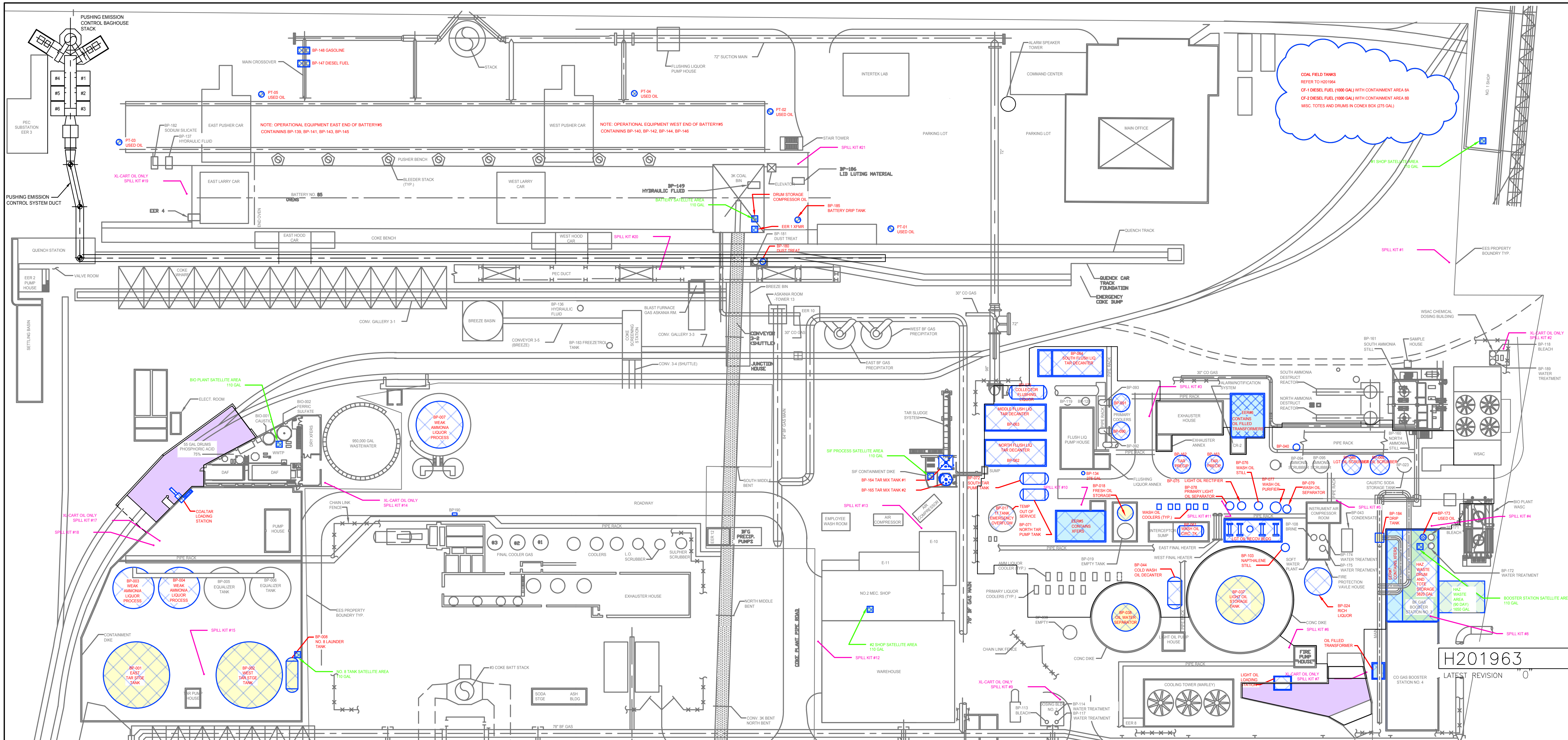
General Inspection Information:		(Retain for 5 years)	
Inspection Date:		Retain Until Date:	
Inspection Time:		Inspector Name:	
Report any items with Not OK status to appropriate supervisor & complete follow up inspection at the end of this report.		**INSPECTOR SIGNATURE:**	

Containment Areas	**Visual Inspection of the following:**
No debris, spills, or other fire hazards in containment	Drain valves operable and in a closed position
No cracks or other damage	Egress pathways clear and gates/doors operable
No localized vegetation	No visible signs of leakage or spills or run-off

Containment Area Inspections — **Visually inspect the following:**

Secondary Containment Areas for	**Status**				**Comments** (Describe any problems or conditions found during inspection)	**Action Taken** (include name of supervisor contacted, how they were contacted & time of contact)
(17) - Inside Soft Water Building		OK		Not OK		
(18) - Inside WSAC Chemical Building		OK		Not OK		
(19) - US Steel COG		OK		Not OK		
(16) - KR-60L (Sodium Bisulfite) BH2-06		OK		Not OK		

Follow up inspection date and time:	**Were problem(s) mitgiated?** (Yes/No)	**Action Taken**
Inspector's Name:		
Inspector's Signature:		



H201963

LATEST REVISION "0"

LEGEND

TANKS & EQUIPMENT WITHIN HATCH CONTAIN OILS	OIL CONTAINING STORAGE TANKS	TRANSFER AREAS
HAZARDOUS WASTE STORAGE LOCATIONS	OIL CONTAINING DRUM AND PORTABLE TANK STORAGE AREAS	
SPILL KIT LOCATIONS	ELECTRICAL EQUIPMENT CONTAINING OILS	

NOTES:

1) SCALE IS FOR D SIZE DRAWING

Drum Storage Area	Substance Stored (Oil and Hazardous substance)	Maximum Capacity (gallons)
Booster Building	Oils and Used Oil	3,820
90 Day Storage	Hazardous Waste	1,650

Tank No.		Substance Stored (Oil and Hazardous substance)	Maximum Capacity (gallons)
A-BP-	1	Tar	710,848
A-BP-	2	Tar	710,848
A-BP-	8	Flushing liquor & tar	12,000
A-BP-	18	Wash Oil	20,726
A-BP-	37	Light Oil	310,893

Tank No.		Substance Stored (Oil and Hazardous substance)	Maximum Capacity (gallons)
A-BP-	147	Diesel Fuel	1,000
A-BP-	148	Gasoline	1,000
A-BP-	173	Used Oil	500
A-BP-	180	Dustreat DC9117	1,500
A-BP-	184	Condensate	500
A-BP-	185	Condensate	3,000

Tank No.		Substance Stored (Oil and Hazardous substance)	Maximum Capacity (gallons)
A-PT-	1	Used Oil	500
A-PT-	2	Used Oil	500
A-PT-	3	Used Hydraulic Oil	500
A-PT-	4	Used Hydraulic Oil	500
A-PT-	5	Used Hydraulic Oil	500
PORTABLE TANKS			
A-BP-	134	KRP4122	275

SITE PLAN DIAGRAM DETAIL #1

SCALE: 1"-40'

FUEL OIL TANK BP-123 (20,000 GAL)
LOCATED NORTH OF BYPRODUCTS PLANT
AT COAL MIXING BUILDING
REFER TO DRAWING H201964

NO.	DATE	ISSUED FOR	PROJ. ENG.	DIV.
5				
4				
3				
2	6/27/16	REPORT ISSUE	J. BEDNARZ	
1	01/18/16	REPORT ISSUE	J. BEDNARZ	
0	12/21/15	OWNER REVIEW	J. BEDNARZ	

PROJECT ENGINEER: J. BEDNARZ — APPROVALS

CONSTRUCTION REVISION BLOCK – REV.

3	PROJ.ENG.	PROJ.DIR.	
OFW			
MADE BY	DATE	ARCH–CIVIL	ELECT.
CH'K BY	DATE	MECH.	DIV.DIRECTOR

2	PROJ.ENG.	PROJ.DIR.	
OFW			
MADE BY	DATE	ARCH–CIVIL	ELECT.
CH'K BY	DATE	MECH.	DIV.DIRECTOR

1	PROJ.ENG.	PROJ.DIR.	
OFW			
MADE BY	DATE	ARCH–CIVIL	ELECT.
CH'K BY	DATE	MECH.	DIV.DIRECTOR

OTHER APPROVALS	DATE
REF.DWGS.	REF.BMS.
H201962	

DIVISION	SUPERVISOR	DATE
ARCH–CIVIL		
CONTROL & ELECT.		
MECH.		
STATIONS ENG.		

	DATE
DESIGNED BY	DATE
DRAWN BY INTERACTIVE GRAPHICS	DATE
CHECKED BY	DATE
PROJECT ENGINEER	DATE
J. BEDNARZ	10/15/15
PROJECT DIRECTOR	DATE
DIVISION DIRECTOR	DATE

EES Coke Battery L.L.C.

PROJECT TITLE: FRP SITE PLAN DIAGRAM

DRAWING TITLE: SITE PLAN DIAGRAM DETAIL #1

FACILITY: NO. 5 COKE BATTERY

DISCIPLINE: ENVIRONMENTAL

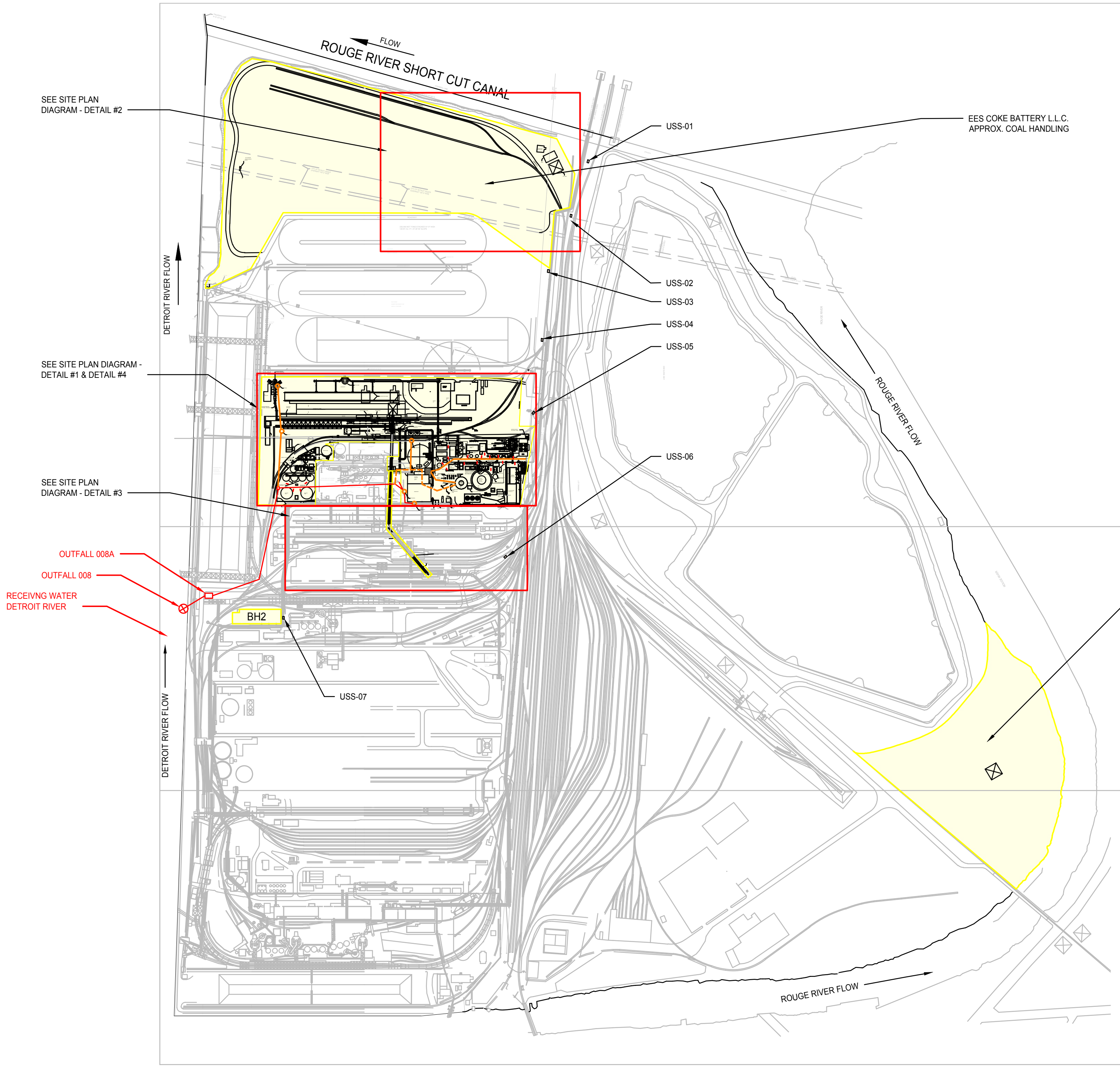
LOCATION DESCRIPTION

ORIGINATING SOURCE — SCALE — USE DIMENSIONS ONLY DO NOT SCALE

ORDER FOR WORK — REVISION — DRAWING NUMBER H201963

DESIGN FILE NAME:
DATE: OPERATOR:

N:\2021 PROJECT FILES\21161 EES COKE REVISE VARIOUS RESPONSE PLANS\CAD\H201963 - FRP SITE PLAN DIAGRAM DETAIL #1.DWG PLOT DATE: 10/25/2021 2:19:58 PM JMANETZ



SITE PLAN DIAGRAM

SCALE: 1" = 300'

LEGEND

AREA OPERATED BY EES COKE BATTERY LLC.

OUTFALL #008 COLLECTION LINES, DRAINAGE PATH

NOTES:

1) SCALE FOR D SIZE DRAWING

2) ONLY HIGHLIGHTED AREAS ARE OPERATED BY EES COKE BATTERY L.L.C.

H201962

LATEST REVISION "0"

NO.	DATE	ISSUED FOR	PROJ. ENG.	DIV.
5				
4				
3				
2				
1				
0	04/25/16	OWNER REVIEW	J. BEDNARZ	

PROJECT ENGINEER: J. BEDNARZ — APPROVALS

CONSTRUCTION REVISION BLOCK – REV.

EES Coke Battery L.L.C.

DESIGNED BY	DATE
DRAWN BY INTERACTIVE GRAPHICS	DATE
CHECKED BY	DATE
PROJECT ENGINEER: J. BEDNARZ	DATE: 4/20/16
PROJECT DIRECTOR	DATE
DIVISION DIRECTOR	DATE

PROJECT TITLE: FRP SITE PLAN DIAGRAM

DRAWING TITLE: SITE PLAN DIAGRAM

FACILITY: NO. 5 COKE BATTERY

DISCIPLINE: ENVIRONMENTAL

LOCATION DESCRIPTION

ORIGINATING SOURCE

SCALE

USE DIMENSIONS ONLY DO NOT SCALE

ORDER FOR WORK

REVISION

DRAWING NUMBER: H201962

REF.DWGS.: H201963, H201964, H201965, H201966

REF.BMS.

OTHER APPROVALS — DATE

DIVISION — SUPERVISOR — DATE: ARCH–CIVIL; CONTROL & ELECT.; MECH.; STATIONS ENG.

3 — PROJ.ENG. — PROJ.DIR. — OFW — MADE BY — DATE — ARCH–CIVIL — ELECT. — CH'K BY — DATE — MECH. — DIV.DIRECTOR

2 — PROJ.ENG. — PROJ.DIR. — OFW — MADE BY — DATE — ARCH–CIVIL — ELECT. — CH'K BY — DATE — MECH. — DIV.DIRECTOR

1 — PROJ.ENG. — PROJ.DIR. — OFW — MADE BY — DATE — ARCH–CIVIL — ELECT. — CH'K BY — DATE — MECH. — DIV.DIRECTOR

DESIGN FILE NAME:

DATE: OPERATOR:

N:\2021 PROJECT FILES\21161 EES COKE REVISE VARIOUS RESPONSE PLANS\CAD\H201962 - FRP SITE PLAN DIAGRAM.DWG PLOT DATE: 10/25/2021 2:20:36 PM JMANETZ