

INSPECTION REPORT

Inspection Entry Date/Time	12/04/2023 08:30 AM (CT)	Announced: No	
Inspection Exit Date/Time	12/08/2023 11:30 AM (CT)	Access: Granted	
Regulatory Program	RCRA		
Type of Inspection	Focused Compliance Evaluation Inspection (CEI)		
Company Name	Port Houston Authority and Related Facilities		
Facility or Site Name	Port Houston Authority and Related Facilities		
Facility/Site Identifier	EPA Registry Id: 110035328053		
Facility/Site Physical Address	111 East Loop North		
City, State, Zip Code	Houston, TX 77029		
County/Borough	Harris		
Generator Status	N/A		
NAICS	488310		
Type of Operation	Port located on the Houston Ship Channel		
Geographic Coordinates	29.7408, -95.2716		
Mailing Address/Secondary Address	111 East Loop North		
City, State, Zip Code	Houston, TX 77029		
Permit Number (If Applicable)	Not Applicable		
Additional Persons Participating in Inspection:			
Name	Title	Organization	Phone
Elizabeth Pham	Inspector	EPA REGION 6	(214) 665-8354
Sandesh Thapa	Inspector	EPA REGION 6	(214) 665-2265
Dedriel Gardner	Inspector	EPA REGION 6	(913) 551-7049
Vince Damiano	Contractor	Eastern Research Group (ERG)	(703) 633-1732
Cameron Tanaka	Contractor	Eastern Research Group (ERG)	(703) 633-1632 ext. 11632
George Wieber	Contractor	Eastern Research Group (ERG)	(443) 883-5253
Lead Inspector:			
Joseph Watson	Digitally signed by Joseph Watson Date: 2024.04.26 14:04:31 -04'00'		4/26/24
	ERG	Joe.watson@erg.com	(215) 891-6615
George Wieber	Digitally signed by George Wieber Date: 2024.04.26 12:18:08 -04'00'		
	ERG	George.wieber@erg.com	4/26/24

SECTION I – INTRODUCTION

Site Entry and Purpose of the Inspection

Type of inspection: Focused Compliance Inspection (FCI)

The Port Houston Authority and its tenants were selected for inspection based on an Environmental Justice and Regional initiative to evaluate facilities at ports receiving or transporting Resource Conservation and Recovery Act (RCRA)-regulated hazardous wastes. On 11/08/23, Dedriel Gardner contacted Port Houston Authority to announce the inspection, but asked that it be unannounced to the tenants. A list of tenants that had an International Convention for the Prevention of Pollution from Ships (MARPOL) Annex V Certificate of Adequacy (COA) issued by the U.S. Coast Guard (USCG) was provided to Port Houston Authority. MARPOL Annex V's contains regulations designed to prevent garbage pollution from ships. "Garbage" is broadly defined and may include RCRA-regulated wastes.

This report is based on information supplied by the Port Houston Authority, tenant representatives, inspector observations, port related facilities, and records including photographs taken (see Appendix 1), verbal or written statements made during or after the on-site inspection, and materials shown, demonstrated, or submitted to the EPA during or after the on-site inspection. In addition, information gathered prior to or after the inspection from a review of EPA, State, and public records may be included in this report.

Attendees

Title/Organization	Name	Phone	Email	Opening Conf.	Closing Conf.
Lead Inspector/ Contactor/ERG	Joseph Watson	(215) 891-6615	Joe.Watson@erg.com	Yes	Yes
RCRA Inspector/ Contractor/ERG	Vince Damiano	(703) 633-1732	Vince.Damiano@erg.com	Yes	Yes
RCRA Inspector/ Contractor/ERG	Cameron Tanaka	(703) 633-1632 ext. 11632	Cameron.Tanaka@erg.com	Yes	Yes
RCRA Inspector/ Contractor/ERG	George Wieber	(443) 883-5253	George.Wieber@erg.com	Yes	Yes
Inspector/Enforcement Officer/EPA Region 6	Dedriel Gardner	(913) 551-7049	Gardner.Dedriel@epa.gov	Yes	Yes
Inspector/Enforcement Officer/EPA Region 6	Elizabeth Pham	(214) 665-8354	Pham.elizabeth@epa.gov	Yes	Yes
Inspector/Enforcement Officer/EPA Region 6	Sandesh Thapa	(214) 665-2265	Thapa.sandesh@epa.gov	Yes	Yes

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Opening Conference

The inspections at Port Houston Authority tenants and related facilities during the week of 12/04/2023 were conducted as a continuation of inspections conducted during the week of 11/08/2023, which are addressed in a separate inspection report. ERG contractors Joseph Watson (Lead), Vince Damiano, George Wieber, and Cameron Tanaka along with EPA Region 6 inspectors Dedriel Gardner, Elizabeth Pham, and Sandesh Thapa conducted the inspections during the week of 12/04/2023. Port Houston Authority is a landlord port that leases property to tenants. Each tenant is responsible for submitting their own MARPOL Annex V COA, and waste removal from ships is typically coordinated by ship agents and contracted out to third parties.

Opening conferences were held at each individual tenant or related facility site before conducting each inspection. During the opening conferences, the following items were discussed:

- Introductions and contact information; representatives were asked to fill in a sign-in sheet.
- The purpose of EPA's visit and EPA's authority under RCRA Section 3007. Inspector credentials were presented at each site.
- The right of the business to claim information as confidential business information (CBI).

Inspections conducted during the week of 12/04/2023 were unannounced unless otherwise noted.

Facility/Site Information

Number of employees	600-700
Length of Facility at this Location	Port Houston has been operating for over 100 years
Operating Hours	24 hours, seven days per week. Administration hours are 6:00 am to 7:00 pm, Monday – Friday.
Safety Training Provided to Inspector(s)?	No. Not required
Size of Facility	Port Houston Authority owns approximately 13,500 acres. Individual tenants and related facilities were discussed separately.
What type of generator facility notified?	The facility itself is not a hazardous waste generator but has tenants that operate with separate generator IDs.
What type of generator facility verified as?	Generator status not verified as this was a focused inspection to evaluate facilities at ports receiving or transporting RCRA regulated hazardous wastes.

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Process Description

Port Houston Authority handles the most containers of any port on the U.S. Gulf Coast. Port Houston Authority has eight public terminals where they lease land and terminals to tenants along the Houston ship channel. During the duration of the inspection, the inspection team focused on visiting Port Houston Authority tenants who had a MARPOL Annex V COA. The inspection team conducted inspections near the Port Houston Authority's tenants that we deemed influential to the EPA's Port Initiative.

Tenant(s) – In order of inspection date.

Tenant/Area	Inspection Date	Process Description	Area of Concern
LBC Houston LP	12/04/23	LBC Houston LP (LBC) operates two contiguous terminals identified as the Bayport terminal and the Seabrook terminal. Crude oil is transferred and stored at the Seabrook terminal via pipeline, barge, and ship. The Bayport terminal transfers and stores various chemicals and refined products including diesel, benzene, toluene, base oils, neutral oils, specialty chemicals, butyl acrylate, vinyl acrylic monomer, and acetic acid with all modes of transportation for loading and unloading (by truck, rail, ships, barges, and pipelines). LBC maintains MARPOL Annex I, II, and V certificates.	Yes
E3 OMI, LLC	12/05/23	E3 OMI, LLC (E3 OMI) provides environmental emergency response, industrial remediation, and waste transportation/disposal services. E3 OMI serves as a Person in Charge (PIC) to facilitate the removal of product or waste from ships to shore, where they sometimes utilize their vacuum trucks to pump waste material into frac tanks. E3 OMI does not maintain MARPOL certificates since their PIC certificate allows them to oversee the removal of waste from ship to shore. If not left at the generating facility, E3 OMI may bring containerized waste back to their facility for profiling, temporary storage, and shipment off site for disposal.	Yes
Vopak Terminals Deer Park, Inc.	12/05/23	Vopak Terminal Deer Park, Inc. (Vopak) transfers products between pipeline, truck, rails, barges, and vessels. Vopak manages products in storage tanks on site and focuses on refined chemical products such as lubricant oils, styrene monomer, benzene, methylene chloride, olefins, C-14 compounds, diaphragm caustics, and membrane caustics. Their hazardous waste generation is mostly from tank cleaning and line flushing in the form of aqueous contaminated material and absorbent waste. Vopak maintains MARPOL Annex I, II, and V certificates. MARPOL washes from ships are transferred to barges or hard piped to trucks via dedicated MARPOL lines. The wash waste is handled by a third party.	No

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Richardson Steel Terminal (Woodhouse)	12/05/23	Richardson Steel Terminal (Woodhouse) operates three docks that can fit three ships or barges and a slip that can fit two smaller ships or vessels. The facility loads and unloads ships with steel products, slabs, pipe, rebar, wire rope, and coils from ships. They also load these items onto trucks and rail cars. The facility does not generate hazardous waste. The facility maintains MARPOL Annex I and V certificates but does not allow for removal of waste from ships.	No
Phoenix Pollution Control and Environmental Services	12/05/23	Phoenix Pollution Control and Environmental Services (Phoenix) provides emergency response cleanup and waste transfer services. Specific process and business information claimed as CBI.	Yes
K-Solv LP	12/06/23	K-Solv LP has two primary operations: barge cleaning and chemicals. Barge cleaning operations include stripping heels from RCRA-empty barges and blending, repacking, and selling the material as a product. The recovered liquid heels may include diesel, glycols, and gas blends. Used oil generated on site is also blended and sold off as product. The chemicals division operates by buying, blending, and selling chemicals, including styrene. K-Solv LP does not maintain any MARPOL certificates.	Yes
Jacintoport International LP	12/06/23	Jacintoport International LP (Jacintoport) who receives a wide variety of products from ships such as food, cars, chemicals in ISO tanks, steel products, slabs, pipes, rebar, and wire coils. Any bulk chemicals are received in bulk containers. When receiving slop water or wastes, they have dedicated hookups on their docks to directly transfer the wastes to trucks for shipment off site. Most of the materials they receive are non-hazardous shipping containers that are moved to their cargo yard. Jacintoport maintains MARPOL Annex I and V certificates.	Yes
Houston Fuel Oil Terminal Company	12/06/23	Houston Fuel Oil Terminal Company (Houston FOTC), subsidiary of Energy Transfer, performs bulk oil storage and transport of crude and fuel oil. Houston FOTC generates non-hazardous waste in the form of oily sludge from cleanouts and rock and debris that are contaminated from material transfers. The facility has five ship docks and seven barge docks. They load and unload products from ships and pipelines, and unload material from trucks and railroads. Wash water from tank cleanouts is treated on site in their wastewater treatment plant (WWTP) and discharged through their outfall. Wastes generated on site are shipped via third party truckers to Crystal Clean. They do not transport hazardous waste. The facility maintains MARPOL Annex I and V certificates.	No
ACCP Inc. Channelview	12/06/23	ACCP Inc. Channelview (ACCP Channelview) provides waste transportation services that include picking up USDA regulated waste from ships, steam-treating the waste, and shipping the treated waste to the McCarty Road Landfill	Yes

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		for disposal. The waste streams they encounter mostly consist of foods, plastics, scrap metals, and wood such as dunnage. ACCP Channelview removes used oily water and slops from ships, but only about once per quarter. The used oil is stored on site in drums for no more than 2 weeks and then picked up by Jordan Oil and Recycling (EPA ID TXR000081596). ACCP Channelview maintains MARPOL Annex I and IV certificates.	
ACCP Inc. Dickinson	12/07/23	ACCP Inc. Dickinson (ACCP Dickinson) provides waste transportation services for ships and operates three boats for waste pickups. They generate used oil and e-waste from their own boat operations. Wastes received from ships include USDA-regulated trash, cooking waste (oil), e-waste, rope, and ash. They also occasionally receive sludge waste in drums and remove it through a third-party contractor who vacuums the sludge out of the drums on site. No liquid chemicals or materials are removed from the ships besides sludge. ACCP Dickinson maintains MARPOL Annex I and V certificates.	Yes
Wilhelmson Port Services, Inc.	12/07/23	Wilhelmson Port Services, Inc. (Wilhelmson) serves as a shipping agent and facilitator to get vessels into terminals and as a service provider to provide drivers and arranging access for third parties to offload vessels. Wilhelmson does not have physical assets associated with dock operations. The company contracts with third parties to receive and manage cargo slops and other MARPOL wastes from ships. Wilhelmson stores various products and generates unused or expired material as hazardous waste. Wilhelmson maintains MARPOL Annex I and V certificates.	No
Texana Waste Services LTD	12/07/23	Texana Waste Services LTD (Texana) operations consist of picking up and transporting garbage for steam-treating under USDA regulations (for international ships) or directly to disposal (for domestic ships). Texana also accepts oily rags and engine sludge from ships. The oily rags and engine sludge are accumulated at the Texana site prior to being picked up by a third party. Other types of waste Texana accepts is e-waste, empty used oil drums, expired medications, and expired flares or pyros. Texana maintains a MARPOL Annex V certificate.	Yes
Inchcape Shipping Services	12/08/23	Inchcape Shipping Services (ISS) operates as a shipping agent company. ISS does not have physical assets associated with dock operations and is a non-generator of hazardous waste. ISS coordinates third-party waste pickups or transporters for receiving wastes from ships, including MARPOL-regulated waste. ISS does not maintain a MARPOL certificate.	No

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SECTION II – OBSERVATIONS – In alphabetical order.

Tenant: LBC Houston LP			
Section: 2.1	Date: 12/04/23, 11:36 A.M.	Contains AOC: Yes	Contains CBI: No
Lead Inspector: Joseph Watson	Attendees: Tony Kinner (Terminal Manager), Glen David (Environmental Coordinator), Derek Ely (Utility Leader), Jason Wood (Compliance and LEAN Manager), Bobby Panepinto (Regional Manager of Regulatory Compliance)		
Facility personnel provided a summary of operations at LBC. LBC personnel provided a site plan from 2021, which is included as Appendix 3. They have two separate RCRA permits, one on the east side (Bayport, TXD000719286) and one on the west side (Bayport West and Seabrook, TXD096602941). The Bayport West and Seabrook side has two ship docks and two barge docks. Material at the Bayport West and Seabrook facility is all crude oil which is also transferred via pipeline. The Bayport side has various chemicals with all modes of transportation for loading and unloading (by truck, rail, ships, barges, and pipelines). The Bayport facility has three ship docks and five barge docks. The products they store and transfer include diesel, benzene, toluene, base oils, neutral oils, specialty chemicals, butyl acrylate, vinyl acrylic monomer, and acetic acid. Both sides of the facility are large quantity generators (LQGs) of hazardous waste. The facility generates RCRA regulated waste including waste codes D001, D018, D035, U019, U220, U002, and U154. Hazardous wastes include flushing waste from tank cleaning and line flushing. LBC generally recycles this flushing waste by sending it back to the original shipper or manufacturer of the product for reuse, but LBC manages the flushing waste as hazardous waste if not recycled. Tank cleaning wastes are accumulated in frac tanks and hose washing wastes accumulate in 55-gallon drums. If material is deemed off specification or unrecyclable, they generally drum these materials and ship them off site for disposal. Recycling generally depends on customer restrictions, with LBC making the final decision as to whether to recycle material or not. Non-hazardous wastes generated on site include soapy cleaning residue, dried paint waste, and wastewaters that go to a publicly owned treatment works (POTW). LBC recycles used oils from maintenance. LBC has some mercury containing wastes, including broken thermometers and thermostat switches, but facility personnel stated that they are gradually getting away from the use of mercury-containing equipment. The facility has one CAA on site, located on the Bayport side. The inspection team reviewed manifests and noted their transporters include CIMA Services LP, Specialty Energy Services, Crawford Truck Inc., and Clean Harbors Environmental Services. LBC maintains a MARPOL Annex I, II, and V COA. Any waste taken off ships is handled by the third-party shipping agency and a shipping agent. LBC does not store waste from ships on site, and the waste is immediately trucked off site by the third-party organized by the shipping agent. These ship to shore transfers to a third-party are infrequent according to LBC personnel, about once per year for engine room slops. LBC does not facilitate any ship-to-ship transfers. LBC sends an official MARPOL document with requirements for all the MARPOL regulations to ships that are requesting to offload waste. The document allows LBC to track the waste material offloaded from the ships. Each LBC dock has its own designated MARPOL line for transferring waste off of ships. The inspection team conducted a site walkthrough and viewed the facility’s CAA and a ship dock, both for the Bayport facility (EPA ID number TXD000719286). The inspection team did not conduct a visual walkthrough of the Bayport West and Seabrook facility. The inspection team noted that there were hazardous waste drums of incompatible materials, including acids and organic material, stored in the same berm area of the CAA (see Appendix 1 – Photos 3 and 4). [AOC #1: Containers holding hazardous waste were stored within the same bermed area as other containers holding incompatible wastes – 40 CFR 262.17(a)(1)(vii)(C)] LBC also had four drums dated 12/1/23 that were labeled as benzene but did not have a hazardous waste label. LBC personnel stated that the waste material was from hose washing and that a hazardous waste label would be placed on them (see Appendix 1 – Photo 1 and 2), [AOC #2:			

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Containers of hazardous waste were not labeled with the words "Hazardous Waste". – 40 CFR 262.17(a)(5)(i)(A)]

The inspection team did not observe other apparent AOCs at the time of the inspection. A closing conference was conducted at approximately 2:15 PM with LBC personnel. The AOCs were communicated during the closing conference.

Tenant: E3 OMI, LLC

Section: 2.2 **Date:** 12/05/23, 8:30 A.M. **Contains AOC:** Yes **Contains CBI:** No

Lead Inspector: George Wieber **Attendees:** Siok Hong Chen-Sabot (Waste Disposal Manager), Nick Perez (Safety Manager), Marty Bienvenu (COO), Tony Stampen (Operations Manager)

Mr. Bienvenu, Chief Operating Officer, explained that the operations of E3 OMI primarily consist of environmental emergency response, industrial remediation, and waste transportation/disposal. When ships need to remove waste, ship agents contact E3 OMI. E3 OMI acts as a PIC to facilitate the removal of product or waste from ships to shore. E3 OMI sometimes utilize their vacuum trucks to pump material into frac tanks. E3 OMI is not a generator of hazardous waste. Although E3 OMI does not maintain MARPOL COAs, their PIC certificate allows them to oversee the removal of waste from ship to shore.

Ms. Chen-Sabot explained when E3 OMI conducts remediation or an environmental clean-up, the first option would be to drum up the waste in 55-gallon drums and leave the drums with the client for them to dispose of. If the client does not have an EPA ID number to dispose of the hazardous waste, E3 OMI will bring the drummed waste back to the facility, profile the waste, store the waste in their waste storage area, and send the waste off site for disposal. Ms. Chen-Sabot explained that E3 OMI conducts weekly inspections of the one central accumulation area (CAA) and waste storage logs. An example of the facility's waste policy and CAA inspection checklist can be found in Appendix 4. E3 OMI provided the inspection team with copies of the facility's waste logs from March through December 2023 (see Appendix 5). Upon review, ERG found seven instances in the waste logs where there has been hazardous waste stored on site for more than 10 days since June 2023. The instances found on the waste log of a waste being labeled as hazardous waste and stored more than 10 days since June 2023 are as follows:

- 1) Ammonia hydracid began storage 11/22/2023 and was disposed of 7/5/2023.
- 2) Phosphoric acid began storage 12/22/2023 and was disposed of 8/9/2023.
- 3) Nitromethane began storage 5/22/2023 and was disposed of 7/6/2023.
- 4) Sulfuric acid began storage on 7/19/2023 and was disposed of 8/25/2023.
- 5) Diesel/water/fire foam began storage on 9/11/2023 and was disposed of 10/18/2023.
- 6) Red dye diesel began storage on 9/20/2023 and was disposed of 10/11/2023.
- 7) Methacrylonitrile began storage on 9/27/2023 and was not disposed of yet.

Prior to June 2023, there were several instances in the waste logs where it is unclear if the hazardous waste was ever disposed of or moved off site within 10 days. This does not meet the requirements set forth in 40 CFR 263.12 where a transporter can store hazardous waste at a transfer facility for a period of 10 days or less (see **AOC #3** listed below). E3 OMI operates under EPA Transporter ID number TXD981055163.

After our opening conference with E3 OMI staff, the inspection team conducted a visual walkthrough of the facility and CAA. Upon entering the CAA, the inspection team found one 55-gallon drum of methacrylonitrile hazardous waste (see Appendix 1 – Photos 5 and 6). Facility personnel indicated that the drum contained sorbent pads, hoses, and PPE with methacrylonitrile residues. The label had an

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accumulation start date of September 27, 2023, which put it past the ten-day storage limit for hazardous waste at a transfer facility. [**AOC #3**: *The transporter stored manifested hazardous waste for more than ten days. – 40 CFR 263.12*] No other apparent AOC was noted from the inspection.

Upon returning to the conference room after the visual walkthrough, Ms. Chen-Sabot explained that the drum of methacrylonitrile hazardous waste was part of an emergency clean-up response at a facility and it sometimes takes extended periods of time to properly profile waste when it is part of an emergency clean-up. Ms. Chen-Sabot provided the inspection team with the waste profile of methacrylonitrile which contained RCRA regulated waste codes D001 and U152 (see Appendix 6). The inspection team requested the field notes from the clean-up response team (see Appendix 7) and a timeline of events for the methacrylonitrile drum since it has arrived at E3 OMI (see Appendix 8). In the timeline, Ms. Chen-Sabot explained two disposal facilities contacted would not accept this waste profile, which is the reason it was still on site. Following the inspection, the waste profile was accepted by Clean Harbors and had a tentative pick-up date of December 12, 2023.

The inspection team did not observe other apparent AOCs at the time of the inspection. A closing conference was conducted at approximately 11:00 AM with K-Solv LP personnel. The AOC was communicated during the closing conference.

Tenant: Vopak Terminals Deer Park, Inc.			
Section: 2.3	Date: 12/5/2023, 9:50 A.M.	Contains AOC: No	Contains CBI: No
Lead Inspector: Joseph Watson	Attendees: Joseph Kyte (Operations Manager), Bridgette Bolls (Environmental Compliance), Shelby Cole (Waste Specialist), Gary Jackson (SHEQ Director), Kevin Simmons (Training Manager)		
Facility personnel provided a summary of operations at Vopak. Vopak opened in the 60s to late 70s as Pak Tank and has gone through several expansions since then. They currently have 258 tanks, five ship docks, and six barge docks on site. Two of the barge docks are finger piers that can take two barges at a time, so Vopak can handle eight barges at a time. They also have 13 connected pipelines that deliver products to their approximately 22 customers, and they transfer material between truck, rails, barges, and vessels. They transfer primarily from ships to ships, and they also transfer from ships to trucks. They receive and ship off product material by truck, rail, barge, and vessel. This material is transferred by pipeline to their storage tanks. They are focused on refined chemical products such as lubricant oils, styrene monomer, benzene, methylene chloride, olefins, C-14, diaphragm caustics, and membrane caustics. They have 14 tanks that handle the caustic materials. They do not process any materials and only perform storage. The facility is a LQG of hazardous waste under the EPA RCRA ID TXR000079035. Their hazardous waste generation is mostly from tank cleaning and line flushing in the form of an aqueous contaminated material. For flushes, they will save the material if it is pure product. They try to put the material back into a process if they can, but they will not use material in another process. Waste from line flushing is emptied into drums or could go out as a frac tank if the volume is large enough. For tank cleaning, bulk liquid would be removed via a vacuum truck and sent to a frac tank. They also generate adsorbent waste. Wastes are typically customer driven. They also generate non-hazardous wastes such as personal protective equipment. Painting waste is generated and managed off site as hazardous waste. Universal waste includes used batteries from their maintenance shop. They do not have any universal waste lamps as nearly all of their lamps are LED. Used oil from their maintenance shops is recycled. No hazardous waste wash water is sent to a POTW directly as it goes to the WWTP under their neighboring facility. They have a CAA in the west side of their facility. The waste is moved to an affiliated but separate facility in the east of their facility to ship out the waste. After reviewing manifests, they have transferred D001, D012, D018, D085, U019, U220, U002, and U154 wastes.			

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Vopak is certified with a MARPOL Annex I, II, and V COA. In the case of offloading MARPOL material, ships will contact an agent who will contact a Marine Traffic Operator and tell Vopak that they need MARPOL material offloading services. If trucks come in, the agent and third-party vendors do all of the paperwork. No refuse or garbage is manually transferred off site. MARPOL material services are all liquids that Vopak has dealt with, and MARPOL materials have their own pipelines to move material to third party barges or trucks who immediately bring the material off site. This material is not stored at Vopak. There is an order system that makes orders for a MARPOL service. The order system log does not include the vendor; it only includes the ship owner and the agent.

The inspection team conducted a drive-by visual observation of the facility and dock areas. The dock areas have a dedicated dock man to ensure all requirements are met. At the CAA, the inspection team met with Darrell Hailey (Waste Supervisor/Environmental Systems Operator) and Clint McGlynn (Environmental Systems Manager). The storage area held about 15 drums with the oldest being from October 13th, 2023. They were all labelled, in good condition, and had an accumulation start date.

During the visual walkthrough, the inspection team did not observe any apparent AOCs. A closing conference was conducted at approximately 11:45 AM with Vopak personnel.

Tenant: Richardson Steel Terminal (Woodhouse)

Section: 2.4 **Date:** 12/5/2023, 1:15 P.M. **Contains AOC:** No **Contains CBI:** No

Lead Inspector: Joseph Watson **Attendees:** Ana Sanchez (Safety Coordinator and DOT Compliance), Troy Suber (Safety Manager)

Mr. Suber, Safety Manager, explained the site operations to the inspection team. Woodhouse loads and unloads steel products, slabs, pipe, rebar, and wire rope and coils. They load trucks and rails from ships and do not have any storage areas. In terms of waste, the facility is not a generator of hazardous waste. Used oil was generated from maintenance operations but these operations are no longer performed at this facility. They dispose of wood waste planes in a dumpster, which is picked up by Gainsborough. Dunnage is collected and transported off site to another Woodhouse facility for burning. Any fluorescent lamps are taken by a contractor and bulbs are disposed of at the Home Depot. No paint wastes are generated at the facility. To the best of Mr. Suber's knowledge, no waste has been removed from a vessel in 12 years. Still, the facility maintains a MARPOL Annex I and V COA through the PHA. The PHA also manages these COAs for them. In the case that they were to receive MARPOL Annex I or V waste, an agent would contact their shipping director, Steve Richardson, who would contact the PHA.

The inspection team conducted a drive-by visual observation of the facility and dock areas. During the visual observation, the inspection team did not observe any apparent AOCs. A closing conference was conducted at approximately 2:30 PM with Woodhouse personnel.

Tenant: Phoenix Pollution Control and Environmental Services, Inc

Section: 2.5 **Date:** 12/05/2023, 2:00 P.M. **Contains AOC:** Yes **Contains CBI:** Yes

Lead Inspector: George Wieber **Attendees:** Nelson Fetgatter (President), Mark Frazee (Waste Coordinator), Travis Fetgatter (Operations Manager)

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Mr. Fetgatter, President of Phoenix, explained that Phoenix operates mostly as an emergency response company to environmental emergencies on the water involving barges, ships, and waterfront operations. At the end of the inspection, Phoenix made CBI claims for non-public information from the inspection.

During the walk through of the facility, the inspection team observed six 55-gallon used oil drums that were unlabeled. **[AOC #4: Used oil storage containers were not labeled "Used Oil". – 40 CFR 279.22(c)(1)]** No other apparent areas of concern were noted during the inspection. Photographs and information regarding the inspection of Phoenix's facility can be found as a CBI attachment to this document.

The inspection team did not observe other apparent AOCs at the time of the inspection. A closing conference was conducted at approximately 4:15 PM with Phoenix personnel. The AOCs were communicated during the closing conference.

Tenant: K-Solv LP

Section: 2.6

Date: 12/6/2023, 8:30 A.M.

Contains AOC: Yes

Contains CBI: No

Lead Inspector: George Wieber **Attendees:** Kodi Scott (Compliance Coordinator), Bernard Nelson (Lead Environmental), Jaime Armendariz (AARC Consultant)

Mr. Scott, Compliance Coordinator for K-Solv LP, explained there are two divisions at this site – barge cleaning and chemicals. The barge cleaning side operates at the dock cleaning RCRA empty barges. They strip heel from the barges and the heel is blended, repacked, and sold as a product. These salvaged products include diesel, glycols, and gas blends. Used oil generated on site is also blended and sold as product. Wash water from cleaning activities is sent out either for reclamation or class 1 non-hazardous waste to Delta Water Processing. The wash water is transported using 130-barrel vacuum trucks. Other waste solid waste streams at the dock are put into totes or roll-off containers.

K-Solv LP chemicals division operates by buying, blending, and selling chemicals. The primary sources of waste from this division are reacted (polymerized) styrene totes and broken glass from sampling. K-Solv LP does not maintain any MARPOL COAs but does operate as a small quantity generator (SQG) with EPA ID TXR000068908.

After our opening conference with K-Solv LP staff, the inspection team conducted a visual walkthrough of the facility and dock areas. During the walkthrough, the inspection team observed several totes of hardened/gelled styrene managed as non-hazardous waste in the drum storage area next to the warehouse. The totes of hardened styrene varied in consistency, and one of the totes was deformed due to the styrene polymerization inside the tote (see Appendix 1 – Photos 13 and 14). The inspection team asked about the waste determination and point of generation for hardened styrene waste. The facility stated that the totes of styrene are considered product until they are fully hardened or polymerized, then they are managed as non-hazardous waste polymer. The point of generation for styrene material in the tote may be once the polymerization is first observed as opposed to full hardening of the styrene material. **[AOC #5: The hazardous waste determination for each solid waste must be made at the point of waste generation - 40 CFR 262.11(a)]**

In the drum storage area next to the warehouse, there were four totes of 2-ethylhexanol, two 275-gallon totes of vinyl acetate monomer, and one tote of a solvent mixture (all containing some material or not RCRA empty) which did not have a waste determination made at the time of the

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inspection (See **AOC #7** listed below). The Manager of the warehouse at K-Solv LP, Ricky Naron, stated that the solvent mixture tote contained perchloroethylene, methanol, and other solvents and that the solvent mixture in the tote was generated from an error in blending. Facility personnel stated that they planned to re-blend the material when possible. The tote of solvent mixture was only labeled as methanol and was not dated or labeled with an identification number. The inspection team requested information on tracking information for the tote to ensure that it is re-blended. The facility did not provide tracking information after the follow-up request was made at the end of the inspection. [**AOC #6**: *The facility did not prove the recycling of hazardous secondary materials was legitimate. – 40 CFR 260.43 (a)(1)*] The inspection team raised concerns at the labeling and management of the totes in the waste storage area and requested a waste determination to be made on the four totes of 2-ethylhexanol, two 275-gallon totes of vinyl acetate monomer, and one tote of a solvent mixture as it was unclear if these were considered wastes or products. There were also pallets of engine degreaser that appeared to be abandoned or destroyed, with some containers crushed and others remaining full. (see Appendix 1 – Photos 11 and 12) [**AOC #7**: *Hazardous waste determination must be made on each solid waste – waste like materials - 40 CFR 262.11*]

The inspection team observed two 55-gallon drums labeled as benzene and, when asked if these were product or waste, Mr. Scott and Mr. Nelson were uncertain (see Appendix 1 – Photo 15). After checking with operations, it was determined the benzene drums were considered product. Upon observing the dock and barge cleaning area, the inspection team found a roll-off container that was used to collect oily material such as rags, debris, and PPE. This roll-off container is managed as non-hazardous waste and sent to a landfill for disposal. The inspection team observed a sludge-like material in the roll-off container that appeared to have some free liquids (see Appendix 1 – Photos 16 and 17). The inspection team communicated to the facility representatives that each solid waste material added to the roll-off container should have a waste determination made at the point of generation prior to mixing. [**AOC #8**: *Hazardous waste determination must be made on each solid waste at the point of generation before any mixing - 40 CFR 262.11(a)*] The facility representatives stated that analytical data was previously collected and available for waste accumulated in the roll-off container by the barge cleaning area.

Following the visual walkthrough, the inspection team requested waste determination information for the totes of solidified vinyl acetate monomer and 2-ethylhexanol by the warehouse, analytical data for waste in the roll-off container by the barge cleaning area, an inventory or tracking information for materials in totes by the warehouse, a recent bill of lading for spent activated carbon sent off site for recycling, and information on the company that receives spent lamps from K-Solv LP.

The inspection team did not observe other apparent AOCs at the time of the inspection. A closing conference was conducted at approximately 10:45 AM with K-Solv LP personnel. The AOCs were communicated during the closing conference. The inspection team did not receive the requested items or follow-up from K-Solv LP by the time of writing this report.

Tenant: Jacintoport International LP

Section: 2.7 **Date:** 12/06/23, 8:45 A.M. **Contains AOC:** Yes **Contains CBI:** No

Lead Inspector: Joseph Watson **Attendees:** Troy Hudson (Safety Inspector), Stephen White (HSE Supervisor)

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Mr. White, HSE Supervisor, provided a summary of the operations at Jacintoport. The facility is a permitted transfer facility who receives a wide variety of products from ships, such as food, cars, chemicals in ISO tanks, steel products, slabs, pipes, rebar, and wire coils. Jacintoport International LP stopped using their containment areas about two years ago. Their state transfer facility permit allows them to store material for up to 10 days. For the last two years, the material they receive has been primarily transported off site the same day it is unloaded. The only times Jacintoport may store material on site for more than a day is when there are not enough trucks present on site to remove the material off site. After Jacintoport stopped using dedicated containment areas, they began to use a containment chassis with a containment wall for the rare occasions where they would store material for more than a day. When receiving slop water or other wastes, they have dedicated hookups on their docks to directly discharge the waste to trucks only. Any bulk chemicals are received in bulk containers. Most of the materials they receive are non-hazardous containers that are moved to their cargo yard. To the best of Mr. White's knowledge, they have never staged any hazardous waste on their containment chassis for more than 10 days. The facility has three containerized ship docks and pipeline connectivity to receive and ship material. No hazardous waste comes off the ships via pipeline.

The facility does not generate any hazardous waste to the best of Mr. White's knowledge. They generate paint waste from painting barricades and lines on the ground, and empty paint cans are put into metal recycling. They also have an aerosol paint can crusher. Dunnage is generated primarily from piping shipments and all wood waste is placed in a dumpster. The primary source of leaks is due to leaking vehicles that did not have their fluids removed before being placed in containers they receive. The facility's fluorescent lamps are removed by a contractor, Crystal Clean.

The facility maintains a MARPOL Annex I and Annex V COA. To the best of Mr. White's knowledge, they have never had to receive any waste that applies under these annexes. If they were to receive this type of waste, the ship would contact an agent who would contact the marine traffic operator who would tell the facility they wanted to do a MARPOL removal at their location. The inspection team viewed a Spill Prevention, Control, and Countermeasure (SPCC) plan with RCRA contingencies written in it. Their RCRA ID#, from this SPCC plan, is TXR000056820. They are listed on RCRAInfo as a transporter of hazardous waste, a transfer facility, and a non-generator of hazardous waste, but Mr. White indicated that they do not have truck drivers on site who transport waste off site. Any hazardous waste they receive goes to Clean Harbors on trucks arranged by the client who owns the ship or vessel. All other wastes are transported from docks to third party truckers who ship the material to Crystal Clean.

After our opening conference with Mr. White, the inspection team conducted a drive-by visual observation of the dock areas and facility where team lead Joseph Watson would leave vehicle to further inspect possible areas of concern, such as the containment chassis. The inspection team took three photographs. One is of the previous containment area (see Appendix 1 – Photo 8), one is of the maintenance shop aerosol can area (see Appendix 1 – Photo 9) and one is of the containment chassis (see Appendix 1 – Photo 10). The inspection team noted that in the maintenance shop's aerosol can area Jacintoport was puncturing cans, collecting the residuals from the cans, and sending the liquids off as universal paint waste. However, they were collecting liquids from non-paint waste such as WD-40 and brake cleaners and mixing it in with the paint waste. The residuals from the non-paint wastes would be a hazardous waste, depending on the materials involved, and Jacintoport was handling this waste as universal paint waste. Since they mixed hazardous waste with a state universal waste, the mixture will be a hazardous waste. Mr. White indicated they go through 1-2 drums a year and designate them as universal paint waste. *[AOC #9: Hazardous waste determination must be made on each solid waste – waste like materials. – 40 CFR 262.11]* No other apparent areas of concern were noted from the inspection.

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Following the visual walkthrough, the inspection team requested electronic copies of their SPCC Plan, their transfer facility permit, a list of transporters who remove waste off site from ships, the 7-day notification email they send to ensure contained materials are taken offsite by the 10-day limit, and their consultant's justification for how the facility is designated under RCRA.

The inspection team did not observe other apparent AOCs at the time of the inspection. A closing conference was conducted at approximately 12:00 PM with Jacintoport personnel. The AOC was communicated during the closing. The inspection team did not receive the requested items or follow-up from Jacintoport by the time of writing this report.

Tenant: Houston Fuel Oil Terminal Company

Section: 2.8 **Date:** 12/06/23, 1:00 P.M. **Contains AOC:** No **Contains CBI:** No

Lead Inspector: Joseph Watson **Attendees:** Benoit Lamarche (Environmental Manager), Katlynn O'Malley (Environmental Specialist), Holly Heil (Environmental Specialist), Charles Suggs (Operations Manager)

Facility personnel provided a summary of operations at Houston FOTC. Houston FOTC performs bulk oil storage and oil transport of crude and fuel oil. The facility conducts 10-year tank inspections and generates tank cleanout sludge at the facility. Houston FOTC generates non-hazardous waste in the form of this oily sludge and from rock and debris contaminated from material transfers. The oily sludge is held in vacuum boxes. A third party recycles the oily wastes and returns what can be recycled. The facility has five ship docks and seven barge docks. They load and unload products via ships and pipelines, and unload products to trucks and railcars. Wash water is treated on site at their on-site WWTP, and water is discharged through their outfall. There is no universal waste paint generated on site as contractors remove all their unused paints and empty paint cans go into metal recycling. Houston FOTC operates an aerosol can puncture unit and the punctured aerosol cans are recycled as metal scrap. Houston FOTC maintains a MARPOL Annex I and V COA that expire on August 19, 2026. No MARPOL waste has been removed from a vessel to the best of Mr. Lamarche, Ms. O'Malley, Ms. Heil, or Mr. Suggs' knowledge. If they were to receive MARPOL waste, the ship with the waste would contact an agent who would contact a marine traffic operator and tell the facility that they wanted to do a MARPOL transfer. If a truck were to come in to receive the waste, the agent and third-party vendor would do all of the paperwork. Their used oil and batteries from maintenance shops and services on-site are all taken off site. Their lamps were packaged and shipped off site. Houston FOTC is registered with the EPA under TXD097307029 as a SQG of hazardous waste and they rarely generate hazardous waste. Facility staff could not find any manifests of hazardous waste shipped off site over the last five years during the inspection. They also listed AW Coastal Plains as their waste management facility for rock and debris, under the EPA ID TXR000084637.

Wastes are transported from docks to third party truckers who ship the material to Crystal Clean and they do not transport any hazardous waste. The facility has one CAA that generally contains used rags for oily waste. The inspection team walked through each CAA and took a windshield visual of the dock area. No apparent AOCs were observed during this visual walkthrough.

Following the visual walkthrough, the inspection team requested a manifest of their most recent hazardous waste shipment, if available, and documentation that their lamps were shipped off site.

During the visual walkthrough, the inspection team did not observe any apparent AOCs. A closing conference was conducted at approximately 3:30 PM with Houston FOTC personnel. The inspection team did not receive the requested items or follow-up from Houston FOTC by the time of writing this report.

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Tenant: ACCP Inc. Channelview

Section: 2.9

Date: 12/06/23, 1:00 P.M.

Contains AOC: Yes

Contains CBI: No

Lead Inspector: George Wieber **Attendees:** Claudio Munoz (Driver), David Armstrong (President)

Mr. Armstrong, President, explained to the inspection team that ACCP Channelview operations primarily consist of receiving and transferring USDA-regulated waste from ships, steam-treating the waste, and shipping the treated waste to McCarty Landfill for disposal. USDA-regulated waste consists of domestic garbage, primarily food scraps and domestic waste. ACCP also manages other waste streams from ships including plastics, scrap metals, universal waste batteries and paint-related materials, wood such as dunnage, and occasionally oily water or engine room sludge (which were managed as used oil by ACCP). The ACCP Channelview location only manages USDA-regulated waste and used oil based on discussions with facility personnel.

ACCP uses boats associated with their Dickinson, TX location (Section 2.10) to pick up waste from ships offshore. USDA-regulated waste is picked up in plastic lined USDA-approved sacks, and non-USDA-regulated waste may be received in sacks, drums, or as scrap material. Once the waste arrives at the ACCP Dickinson dock, ACCP Channelview transports the USDA-regulated waste to be steam-treated using their fleet of trucks. Mr. Armstrong explained the steam treatment of USDA-regulated waste kills foreign bugs, viruses, and diseases. He stated they steam-treat waste for 110 minutes.

Mr. Armstrong explained that ACCP also picks up used oil from ships, and this only occurs about once every three months. The used oil is received in 55-gallon drums and transported from the ACCP dock in Dickinson, TX (See Section 2.10) to the ACCP Channelview location. The used oil drums are stored for no more than two weeks at ACCP Channelview and then picked up by Jordan Oil and Recycling (EPA ID number TXR000081590). There was no used oil observed on site at the time of the inspection. Used oil containers are stored in the warehouse location when on site. The warehouse location had a concrete floor, but the inspection team did not observe berms, dikes, or retaining walls around where the used oil might be stored [**AOC #10:** *Used oil transfer facilities must equip containers of used oil with a secondary containment system – 40 CFR 279.45(d)(1)*] ACCP operates under transporter EPA ID number TXR000047845, which is associated with an address at 4034 N Barnett Way in Missouri City, TX. The ACCP Channelview location does not have an EPA ID number associated with its specific building address. ACCP Channelview did have a record for used oil picked up by Jordan Oil and Recycling which was reviewed on site, but there were no tracking documents for shipments of used oil received from the ACCP Dickinson site. [**AOC #11:** *Used oil transporters must keep a record of each used oil shipment accepted for transport – 40 CFR 279.46(a)*] Mr. Armstrong stated ACCP Channelview maintains a MARPOL Annex I and IV COA.

After the opening conference with ACCP Channelview staff, the inspection team conducted a visual walkthrough of the facility. After the conclusion of the on-site inspection, the inspection team noted that ACCP Channelview was operating as a transfer facility for used oil.

The inspection team did not observe other apparent AOCs at the time of the inspection. A closing conference was conducted at approximately 2:15 PM with ACCP Channelview personnel.

Tenant: ACCP Inc. Dickinson

Section: 2.10

Date: 12/07/23, 8:45 A.M.

Contains AOC: Yes

Contains CBI: No

Lead Inspector: Joseph Watson **Attendees:** Mark Nokelby (Operations Manager)

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Mr. Nokelby, Operations Manager, explained that ACCP Dickinson services ships in the port from the inner and outer anchorage areas. Larger ships, mostly tankers, stay about 60 miles offshore so ACCP Dickinson mostly services daughter ships. ACCP Dickinson's ships go offshore to daughter ships to bring food and other supplies and remove USDA regulated garbage based on a list of services the daughter ships provide to ACCP Dickinson. These lists include which wastes they need removed so ACCP Dickinson can manage the supplies they are bringing to the ship, such as USDA-approved lined bags. ACCP Dickinson often receives cooking waste (oil), e-waste, and ash. ACCP Dickinson has three boats in their fleet and maintains a MARPOL Annex I and V COA.

USDA-regulated wastes, primarily food scraps and domestic trash, are removed from the ships in USDA-approved lined bags, and all the bags are steam sterilized upon arrival at ACCP Channelview. These bags are not to be opened until they are sterilized. E-waste, dunnage, and loose materials such as rope typically do not need to be bagged or steam sterilized, but occasionally these items will be added to the bags for transporting purposes. The e-waste is taken to a recycling center directly from the Dickinson location. Ash waste is steam sterilized and sent to a landfill. MARPOL garbage is removed every Monday, Wednesday, and Friday on a roll off or box truck.

ACCP Dickinson also receives engine room sludge from ships in 55-gallon drums, which typically stay on site at the dock for a week before transfer to the ACCP Channelview location. Engine room sludge is generated from engine room sludge tanks on ships that collect solids filtered out from heavy fuel oil. The engine room sludge is managed as used oil. There were no drums of engine room sludge on site at the time of the inspection, and they receive engine room sludge waste once a month at most. There was no area at the ACCP Dickinson dock area where secondary containment was located for storage of used oil drums that remained on site up to a week. **[AOC #12: Used oil transfer facilities must equip containers of used oil with a secondary containment system – 40 CFR 279.45(d)(1)]** The Dickinson site will not accept more than ten 55-gallon drums of engine room sludge from ships at a single time. There is no paperwork involved with the transfer of engine room sludge from ACCP Dickinson to their Channelview location. The company operates with the EPA ID number TXR000047845 as a transporter, which is associated with an address at 4034 N Barnett Way in Missouri City, TX. The ACCP Dickinson and ACCP Channelview locations do not have EPA ID numbers associated with their specific building addresses as used oil transfer facilities. After transfer to the ACCP facility in Channelview, the used oil is picked up by Jordan Oil and Recycling (EPA ID number TXR000081590). **[AOC #13: Used oil transporters must keep a record of each used oil shipment accepted for transport and each shipment that is delivered to another used oil transport facility or for disposal – 40 CFR 279.46(a) and (b)]** No other RCRA-regulated liquid wastes are removed from ships besides engine room sludge managed as used oil.

ACCP Dickinson generates other wastes on site from their own boats including used oil and e-waste. The used oil and e-wastes generated on site are accumulated at the dock. The modes of transportation used by ACCP to transport wastes include trucks, which only travel from ACCP Dickinson to ACCP Channelview, and boats, which transport supplies to the ships and transport waste from ships to the Dickinson dock location. ACCP Dickinson primarily conducts direct transfer of USDA-regulated waste to third party trucks at the dock. If enough trucks are not present, ACCP Dickinson may occasionally store USDA-regulated waste received from ships briefly at their dock. Mr. Nokelby indicated they have not had a bag of USDA-regulated waste on site for more than a day in the past year based on their pickup schedule.

The inspection team conducted a visual walkthrough of the facility's storage and dock areas. Observations and AOCs are listed below:

- The inspection team observed three corroded 55-gallon drums containing unidentified residual material mixed with rainwater (see Appendix 1 – Photo 18) **[AOC #14: Hazardous waste determination must be made on each solid waste – waste like materials. – 40 CFR 262.11]**

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- A total of 27 55-gallon drums containing used oil were found throughout the facility. According to Mr. Nokelby, the used oil in the drums was generated on site from their own boats and operations. All of the drums were not labeled (see Appendix 1 – Photos 19 through 21). The inspection team notified Mr. Nokelby that used oil drums must be labeled with the words “Used Oil.” Mr. Nokelby then properly labeled the drums ‘Used Oil’ (see Appendix 1 – Photo 22) [**AOC #15**: *Used oil storage containers must be labeled “Used Oil” – 40 CFR 279.22(c)(1)*].
- Two full pallets and two smaller pallets of used batteries were found which were generated from a combination of ACCP activities and one battery from a ship pickup. The batteries were not labeled as universal waste and did not have an accumulation start date (see Appendix 1 – Photos 23 and 24). [**AOC #16**: *Universal waste batteries were not labeled or marked clearly with any one of the following phrases: “Universal Waste—Battery(ies),” or “Waste Battery(ies),” or “Used Battery(ies). – 40 CFR 273.14(a)*] [**AOC #17**: *ACCP Dickinson did not demonstrate the length of time that the universal waste has been accumulated from the date it became a waste or was received – 40 CFR 273.15(c)*]
- The inspection team observed six 5-gallon buckets of used paint waste received from ships which were not labeled as universal waste (see Appendix 1 – Photo 25). [**AOC #18**: *Containers of universal waste paint were not labeled or marked clearly with the words “Universal Waste - Paint and Paint-Related Wastes” - Texas Administrative Code Rule §335.262(2)(F)*]

The inspection team did not observe other apparent AOCs at the time of the inspection. A closing conference was conducted at approximately 10:30 AM with ACCP Dickinson personnel. The AOCs were communicated during the closing conference.

Following the inspection, the inspection team requested copies of ACCP’s last record of receiving used oil as engine room sludge, which the inspection team did not receive from ACCP. ACCP Dickinson’s USDA Compliance Agreement and a record of how long the used batteries had been on site can be found in Appendix 9 and Appendix 10, respectively.

Tenant: Wilhelmson Port Services, Inc.

Section: 2.11	Date: 12/7/2023, 1:02 P.M.	Contains AOC: No	Contains CBI: No
Lead Inspector: Joseph Watson		Attendees: Michele Toller (Warehouse Manager), Jesse Garcia (Customs Manager), Stacie Speckman (Territory Manager of North America and Panama Port Services)	

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Facility personnel provided a summary of operations at Wilhelmson. Wilhelmson primarily focuses on the compliance portion of offloads that are assigned to them. They do not own or operate any docks or store any waste. They help facilitate the transfer of material from other docks, giving information such as TWIC card IDs for unloading personnel. They make sure that the terminal has the ability to perform transfers. If the dock does not have sufficient personnel to perform the transfer, they will get trucking companies and other required employees involved in the transfer operation. There is a scheduled time for vessel unloading. They hire waste facilities that bring in their own trucking companies. Wilhelmson indicated that approximately 90 percent of vessels have their own contractors for transport and disposal facilities. When they must hire their own contractor, they use CIRCON Environmental as one of these contractors for cargo slops and other MARPOL wastes. Wilhelmson's process ends when it is ensured that a vendor takes vessel waste. Wilhelmson stores various products used for supplying vessels. They have one CAA for unused or expired products. The EPA team conducted a walking tour of the facility's product storage area and viewed the CAA. The CAA had no hazardous waste in it at the time and Wilhelmson personnel indicated that it is very rare for them to have waste. The CAA is mainly in place for contingency purposes.

During the visual walkthrough, the inspection team did not observe any apparent AOCs. A closing conference was conducted at approximately 3:00 PM with Wilhelmson personnel.

Tenant: Texana Waste Services LTD

Section: 2.12

Date: 12/7/2023, 1:00 P.M.

Contains AOC: Yes

Contains CBI: No

Lead Inspector: George Wieber

Attendees: Erick Earls (Operations Manager)

Mr. Earls, Operational Manager at Texana, explained that operations consist of picking up garbage from domestic and international ships and vessels and transporting it for steam-treating and/or disposal. Mr. Earls stated they are dispatched by ship agents to pick up the garbage from ships. When picking up waste from domestic ships, the garbage is transported for disposal directly. When picking up waste at international ships, the garbage is picked up and sent to NuCore for environmental steaming treatment under USDA regulations. Mr. Earls stated that the garbage is sometimes held at their facility for less than 72 hours until taken to disposal facility as per USDA regulations. Mr. Earls stated they also provide ships with USDA approved sacks for garbage. Texana will assist domestic ship crews in packing up garbage waste but will not provide assistance for international ships as it can be a liability. Texana also accepts oily rags and engine sludge, which are accepted in drums and stored at their facility until they have enough for a pickup. Engine sludge is managed as used oil. They contract CIRCON Environmental to remove the used oil waste stored on site. Other types of waste Texana accepts include universal waste such as used batteries, empty used oil drums, expired medications, and expired flares or pyros. The facility maintains a MARPOL Annex V COA, but it was not available during the inspection. Mr. Earls was uncertain if Texana was registered with the EPA or state as a transporter under RCRA, and no EPA ID number or information was provided following the inspection. **[AOC #19: Texana was operating as a used oil transporter and transfer facility and did not identify an EPA ID number for its facility - 40 CFR 279.42(a)]**

The inspection team conducted a visual walkthrough of the facility and storage areas. The inspection team observed:

- 1) One 55-gallon drum of oily rags, one 55-gallon drum of cooking oil, and six 55-gallon drums of used oil. Each of the used oil drums observed were mostly full at the time of the inspection based on visual observation. One of the 55-gallon drums of used oil was made of plastic, uncovered, and not clearly labeled (see Appendix 1 – Photo 27). Three of the 55-gallon drums of used oil were corroded, damaged, opened, and not clearly labeled, and one of the 55-gallon drums of used oil was made of plastic and covered with a fabric cloth (see Appendix 1 – Photo 28). **[AOC #20: Containers used to store used oil at transfer facilities must be in good condition (no severe rusting, apparent structural**

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- defects, or deterioration) - 40 CFR 279.45(c)(1)] [**AOC #21**: Containers used to store used oil at transfer facilities must be labeled or marked clearly with the words "Used Oil." - 40 CFR 279.45(g)(1)] [**AOC #22**: Containers used to store used oil at transfer facilities must be equipped with a secondary containment system - 40 CFR 279.45(d)]
- 2) Three 55-gallon drums and one tote filled with water and expired pyrotechnics (flares) (see Appendix 1 – Photo 29 and 30) [see **AOC #25** listed below].
 - 3) Three 5-gallon paint cans, for which the inspection team requested a waste determination [see **AOC #25** listed below]. The paint cans were not empty based on lifting the can during the walkthrough.
 - 4) Four expired life rafts which have a class 9 DOT identification (see Appendix 1 – Photo 31) [see **AOC #25** listed below].
 - 5) One open tote accumulating rainwater and various types of batteries including rechargeable batteries which was unlabeled, and the accumulation start date was unknown (see Appendix 1 – Photo 32). [**AOC #23**: Universal waste batteries were not labeled or marked clearly with any one of the following phrases: "Universal Waste—Battery(ies)," or "Waste Battery(ies)," or "Used Battery(ies)." - 40 CFR 273.14(a)] [**AOC #24**: Texana did not demonstrate the length of time that the universal waste has been accumulated from the date it became a waste or was received. - 40 CFR 273.15(c)]
 - 6) A 20-cubic yard roll-off container accumulating water and undetermined solids which appeared to be leaking into the soil underneath (see Appendix 1 – Photo 33). Mr. Earls was uncertain about the types of waste within the roll-off container; therefore, a waste determination was requested. [**AOC #25**: Hazardous waste determination must be made on each solid waste – waste like material. - 40 CFR 262.11]
 - 7) Seven 5-gallon containers and two 55-gallon drums where the inspection team was unable to determine if they were empty (see Appendix 1 – Photo 34).

Following the visual walkthrough, the inspection team requested multiple items from Texana:

- MARPOL COA.
- Confirmation of EPA ID number as a transporter and transfer facility.
- Shipping manifest for expired medications and pyrotechnics from past two years.
- Identity of company that picks up and disposes of pyrotechnics (*Refer to observation #2 above*).
- Waste determinations on three 5-gallon paint cans, two 55-gallon drums, and seven 5-gallon containers (*Refer to observation #3 and #7 above*).
- Shipping manifests for life rafts and used oil drums found onsite (*Refer to observation #1 and #4 above*).
- Waste determination on batteries in open tote (*Refer to observation #5 above*).
- Waste determination on 20 cubic yard roll off container (*Refer to observation #6 above*).

The inspection team did not observe other apparent AOCs at the time of the inspection. A closing conference was conducted at approximately 2:45 PM with Texana personnel. The AOCs were communicated during the closing conference. The inspection team did not receive the requested items or follow-up from Texana by the time of writing this report.

Tenant: Inchcape Shipping Services			
Section: 2.13	Date: 12/08/2023, 8:05 A.M.	Contains AOC: No	Contains CBI: No
Lead Inspector: Joseph Watson	Attendees: David Vazquez (Billing Clerk), Elizabeth Torres (Billing Manager), Hope Gorman (Regional Manager of Operations for US West Coast and Canada)		
Facility personnel provided a summary of operations at ISS. ISS acts a large shipping agent serving ships			

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across North American and South American Ports. Everything related to handling of waste is done by a third party for Inchcape. ISS is only an office without waste generation, storage, or transportation activities. As a result, the inspection team inquired about ISS' operation as shipping agents. ISS explained that their customers are the owners of ships. The owners contact Inchcape with garbage or slops removal requests and Inchcape acts as the middleman between the ship and the shore facilities to facilitate the removal of those materials.

ISS relays the quantity and type of waste to transporters who will bid on the removal work. They coordinate and give the waste companies access to the ports via a gate list. They do not file manifests or provide any other paperwork involved with the removal of waste. ISS also helps to explain regulations to waste management companies. The main off-loaders of waste that they work with are Intergulf/CIRCON Environmental, Nature Environmental, ACCP Inc., and Marine Express, Inc. but the representatives from ISS did not know who those companies hire to transport the waste that they offload. ISS indicated that many terminals deny MARPOL waste from being removed at their docks because the terminals do not have proper certificates. Every ship that they work with has an appointed agent and the company (the owner of the ship), tells the ship captain who their agent is to help make off-loading arrangements. The designated vendors are picked based on cost, services, and vetting.

During the visual walkthrough, the inspection team did not observe any apparent AOCs. A closing conference was conducted at approximately 9:15 AM with ISS personnel.

SECTION III – RECORDS REVIEW

No RCRA regulated records reviewed during this focused onsite inspection.

SECTION IV – APPARENT AREAS OF CONCERN

The presentation of Area(s) of Concern does not constitute a formal compliance determination or violation. Areas of concern may be added or removed upon review or upon receipt of additional information.

Tenant: LBC Houston LP		
AOC #1 – Containers holding hazardous waste were stored within the same bermed area as other containers holding incompatible wastes.	Citation: 40 CFR 262.17(a)(1)(vii)(C)	Section: 2.1
AOC #2 – Containers of hazardous waste were not labeled with the words “Hazardous Waste”.	Citation: 40 CFR 262.17(a)(5)(i)(A)	Section: 2.1
Tenant: E3 OMI, LLC		
AOC #3 – The transporter stored manifested hazardous waste for more than ten (10) days.	Citation: 40 CFR 263.12	Section: 2.2
Tenant: Phoenix Pollution Control and Environmental Services, Inc		
AOC #4 – Used oil storage containers were not labeled “Used Oil”.	Citation: 40 CFR 279.22(c)(1)	Section: 2.5
Tenant: K-Solv LP		
AOC #5 – The hazardous waste determination for each solid waste must be made at the point of waste generation.	Citation: 40 CFR 262.11(a)	Section: 2.6
AOC #6 – The facility did not prove the recycling of hazardous secondary materials was legitimate.	Citation: 40 CFR 260.43 (a)(1)	Section: 2.6
AOC #7 – Hazardous waste determination must be made on each solid waste – waste like materials.	Citation: 40 CFR 262.11	Section: 2.6
AOC #8 – Hazardous waste determination must be made on each solid waste at the point of generation before any mixing.	Citation: 40 CFR 262.11(a)	Section: 2.6
Tenant: Jacintoport International LP		
AOC #9 – Hazardous waste determination must be made on each solid waste – waste like materials.	Citation: 40 CFR 262.11	Section: 2.7
Tenant: ACCP INC Channelview		
AOC #10 – Used oil transfer facilities must equip containers of used oil with a secondary containment	Citation: 40 CFR 279.45(d)(1)	Section: 2.9

Port Houston Authority and Related Port Facilities

Inspection Date(s): 12/04/2023 - 12/09/2023

system.		
AOC #11 – Used oil transporters must keep a record of each used oil shipment accepted for transport.	Citation: 40 CFR 279.46(a)	Section: 2.9
Tenant: ACCP INC Dickinson		
AOC #12 – Used oil transfer facilities must equip containers of used oil with a secondary containment system.	Citation: 40 CFR 279.45(d)(1)	Section: 2.10
AOC #13 – Used oil transporters must keep a record of each used oil shipment accepted for transport and each shipment that is delivered to another used oil transport facility or for disposal.	Citation: 40 CFR 279.46(a) and (b)	Section: 2.10
AOC #14 – Hazardous waste determination must be made on each solid waste – waste like materials.	Citation: 40 CFR 262.11	Section: 2.10
AOC #15 – Used oil storage containers must be labeled “Used Oil”.	Citation: 40 CFR 279.22(c)(1)	Section: 2.10
AOC #16 – Universal waste batteries were not labeled or marked clearly with any one of the following phrases: “Universal Waste—Battery(ies),” or “Waste Battery(ies),” or “Used Battery(ies).”	Citation: 40 CFR 273.14(a)	Section: 2.10
AOC #17 – ACCP Dickinson did not demonstrate the length of time that the universal waste has been accumulated from the date it became a waste or was received.	Citation: 40 CFR 273.15(c)	Section: 2.10
AOC #18 – Containers of universal waste paint were not labeled or marked clearly with the words "Universal Waste - Paint and Paint-Related Wastes."	Citation: Texas Administrative Code Rule §335.262(2)(F)	Section: 2.10
Tenant: Texana Waste Services LTD		
AOC #19 – Texana was operating as a used oil transporter and transfer facility and did not identify an EPA ID number for its facility.	Citation: 40 CFR 279.42(a)	Section: 2.12
AOC #20 – Containers used to store used oil at transfer facilities must be in good condition (no severe rusting, apparent structural defects, or deterioration).	Citation: 40 CFR 279.45(c)(1)	Section: 2.12
AOC #21 – Containers used to store used oil at transfer facilities must be labeled or marked clearly with the words “Used Oil.”	Citation: 40 CFR 279.45(g)(1)	Section: 2.12
AOC #22 – Containers used to store used oil at transfer facilities must be equipped with a secondary containment system.	Citation: 40 CFR 279.45(d)	Section: 2.12

Port Houston Authority and Related Port Facilities

Inspection Date(s): 12/04/2023 - 12/09/2023

AOC #23 – Universal waste batteries were not labeled or marked clearly with any one of the following phrases: “Universal Waste—Battery(ies),” or “Waste Battery(ies),” or “Used Battery(ies).”	Citation: 40 CFR 273.14(a)	Section: 2.12
AOC #24 – Texana did not demonstrate the length of time that the universal waste has been accumulated from the date it became a waste or was received.	Citation: 40 CFR 273.15(c)	Section: 2.12
AOC #25 – Hazardous waste determination must be made on each solid waste – waste like material.	Citation: 40 CFR 262.11	Section: 2.12

SECTION V – CLOSING CONFERENCE AND FOLLOW UP

Closing Conference

The onsite inspection was completed on 12/8/2023. Closing conferences were held at each individual site before departure. During the closing conferences, the following items were discussed:

1. AOCs, if any, found during the inspections and that AOCs may be added or removed upon further review.
2. Requested items, if any, and how to provide the inspection team with them following the inspection.
3. Conversations about how to address any AOCs that may have been found.

Follow Up

Any tenant follow-up items are as discussed in each tenants' observations.

Communication Log

After the inspection, additional information was emailed to EPA including:

1. 12/6/23 Phoenix email – hazardous and non-hazardous waste manifests (attachments) transported by Phoenix Pollution Control were provided.
2. 12/8/23 ACCP email – Response to some areas of concern, waste receipts for wastes accepted (attachment), and USDA compliance agreement (attachment) were provided.
3. 12/8/23 E3 OMI email – Field notes (attachments) and chain-of-events associated with the hazardous waste drum from Odjfell observed on site were provided.

SECTION VI – LIST OF APPENDICES

- Appendix 1 - Photo Log
- Appendix 2 - Opening Conference Attendees Sign-in Sheet
- Appendix 3 - LBC Facility Layout
- Appendix 4 - E3 OMI Waste Policy and Inspection Checklist
- Appendix 5 - E3 OMI Waste Log
- Appendix 6 - E3 OMI Waste Profiles
- Appendix 7 - E3 OMI Field Notes 035-23-0596
- Appendix 8 - E3 OMI Timeline of Events for AOC
- Appendix 9 - ACCP Dickinson Compliance Agreement
- Appendix 10 - ACCP Dickinson Waste Received for Batteries

Appendix 1

Photograph Log



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Photograph Log

Photo No. 1

Location: LBC Houston, LP		
City: Seabrook	County/Parish: Harris	State: Texas

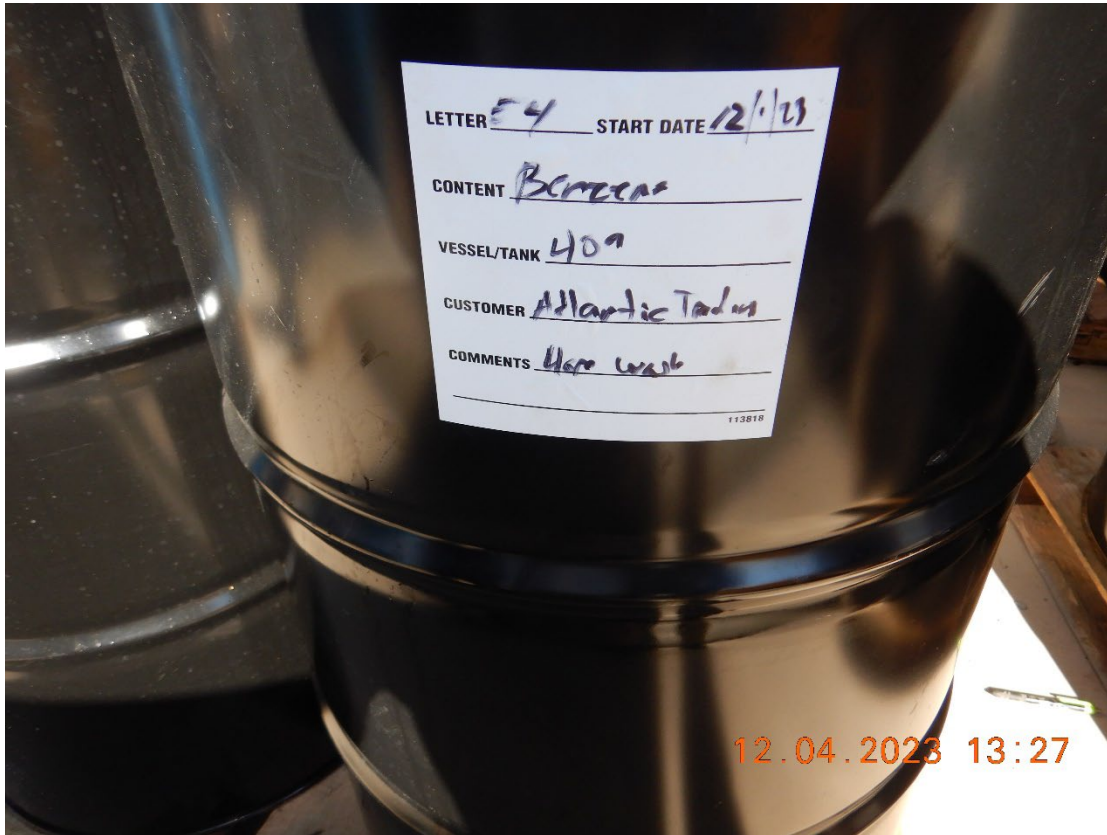


Photo File Name: DSCN6917

Date of Photo: 12/04/2023

Time of Photo: 13:27 hrs.

Photographer: George Wieber

Description: Label on a 55-gallon drum in the CAA. The drum was identified as containing benzene but was not properly labeled as "Hazardous Waste,"



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Photograph Log

Photo No. 2

Location: LBC Houston, LP		
City: Seabrook	County/Parish: Harris	State: Texas



Photo File Name: DSCN6918

Date of Photo: 12/04/2023

Time of Photo: 13:27 hrs.

Photographer: George Wieber

Description: Four 55-gallon drums of benzene not properly labeled as "Hazardous Waste" in the CAA.



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Photograph Log

Photo No. 3

Location: LBC Houston, LP		
City: Seabrook	County/Parish: Harris	State: Texas



Photo File Name: DSCN6919

Date of Photo: 12/04/2023

Time of Photo: 13:30 hrs.

Photographer: George Wieber

Description: A 55-gallon drum of hazardous waste containing benzene in the CAA. This drum was stored in the same secondary containment as hazardous a 55-gallon drum of waste acids which are incompatible (see Photo 4).



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Photograph Log

Photo No. 4

Location: LBC Houston, LP		
City: Seabrook	County/Parish: Harris	State: Texas



Photo File Name: DSCN6920

Date of Photo: 12/04/2023

Time of Photo: 13:31 hrs.

Photographer: George Wieber

Description: A 55-gallon drum of hazardous waste containing acids in the CAA. This drum was stored in the same secondary containment as a 55-gallon hazardous waste drum containing benzene which are incompatible (see Photo 3).



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Photograph Log

Photo No. 5

Location: E3 OMI LLC		
City: Deer Park	County/Parish: Harris	State: Texas



Photo File Name: DSCN6921

Date of Photo: 12/05/2023

Time of Photo: 09:54 hrs.

Photographer: George Wieber

Description: Labels on a 55-gallon drum of hazardous waste containing methacrylonitrile from a spill cleanup for Odjfell Terminals in the CAA.



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Photograph Log

Photo No. 6

Location: E3 OMI LLC		
City: Deer Park	County/Parish: Harris	State: Texas



Photo File Name: DSCN6922

Date of Photo: 12/05/2023

Time of Photo: 09:55 hrs.

Photographer: George Wieber

Description: A 55-gallon drum of hazardous waste containing methacrylonitrile from a spill cleanup for Odjfell Terminals in the CAA. The drum was being managed in a fenced area designated for hazardous waste.



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Photograph Log

Photo No. 7

Location: E3 OMI LLC		
City: Deer Park	County/Parish: Harris	State: Texas



Photo File Name: DSCN6923

Date of Photo: 12/05/2023

Time of Photo: 10:36 hrs.

Photographer: George Wieber

Description: Picture showing hazardous waste management area and signage.



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Photograph Log

Photo No. 8

Location: Jacintoport International LP		
City: Houston	County/Parish: Harris	State: Texas



Photo File Name: DSCN6497

Date of Photo: 12/06/2023

Time of Photo: 10:33 hrs.

Photographer: Cameron Tanaka

Description: Previous containment area that is no longer used.



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Photograph Log

Photo No. 9

Location: Jacintoport International LP		
City: Houston	County/Parish: Harris	State: Texas



Photo File Name: DSCN6498

Date of Photo: 12/06/2023

Time of Photo: 10:44 hrs.

Photographer: Cameron Tanaka

Description: Maintenance shop aerosol can area. Jacintoport indicated that they puncture their cans here and collect the residuals. The residuals are sent off as universal paint waste, but they were also collecting residuals from non-paint waste that could include hazardous waste, meaning the drums shown here should be shipped off as hazardous waste.



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Photograph Log

Photo No. 10

Location: Jacintoport International LP		
City: Houston	County/Parish: Harris	State: Texas



Photo File Name: DSCN6499

Date of Photo: 12/06/2023

Time of Photo: 11:20 hrs.

Photographer: Cameron Tanaka

Description: Containment chassis for 10-day storage.



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Photograph Log

Photo No. 11

Location: K-Solv LP		
City: Channelview	County/Parish: Harris	State: Texas



Photo File Name: DSCN6927

Date of Photo: 12/06/2023

Time of Photo: 09:46 hrs.

Photographer: George Wieber

Description: Containers of engine degreaser that are used on site, with exterior packaging damaged in the drum storage area. Some of the containers were empty while others contained liquid.



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Photograph Log

Photo No. 12

Location: K-Solv LP		
City: Channelview	County/Parish: Harris	State: Texas



Photo File Name: DSCN6928

Date of Photo: 12/06/2023

Time of Photo: 09:46 hrs.

Photographer: George Wieber

Description: Containers of engine degreaser found in the drum storage area that are used on site. Some of the containers were empty while others contained liquid.



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Photograph Log

Photo No. 13

Location: K-Solv LP		
City: Channelview	County/Parish: Harris	State: Texas



Photo File Name: DSCN6929

Date of Photo: 12/06/2023

Time of Photo: 09:56 hrs.

Photographer: George Wieber

Description: Overview of the container management area behind the warehouse.



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Photograph Log

Photo No. 14

Location: K-Solv LP		
City: Channelview	County/Parish: Harris	State: Texas



Photo File Name: DSCN6930

Date of Photo: 12/06/2023

Time of Photo: 09:56 hrs.

Photographer: George Wieber

Description: Overview of the container management area behind the warehouse. The container of gelled styrene (center of image) was deformed due to a polymerization reaction.



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Photograph Log

Photo No. 15

Location: K-Solv LP		
City: Channelview	County/Parish: Harris	State: Texas



Photo File Name: DSCN6931

Date of Photo: 12/06/2023

Time of Photo: 10:13 hrs.

Photographer: George Wieber

Description: Two 55-gallon drums of benzene located in a container staging area. Their use was uncertain at the time of inspection.



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Photograph Log

Photo No. 16

Location: K-Solv LP		
City: Channelview	County/Parish: Harris	State: Texas



Photo File Name: DSCN6932

Date of Photo: 12/06/2023

Time of Photo: 10:16 hrs.

Photographer: George Wieber

Description: Roll-off container on the dock space used to manage waste from barge cleaning operations. The waste appeared to contain an oily material.



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Photograph Log

Photo No. 17

Location: K-Solv LP		
City: Channelview	County/Parish: Harris	State: Texas



Photo File Name: DSCN6933

Date of Photo: 12/06/2023

Time of Photo: 10:16 hrs.

Photographer: George Wieber

Description: Roll-off container on the dock space used to manage waste from barge cleaning operations. The waste appeared to contain an oily material.



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Photograph Log

Photo No. 18

Location: ACCP Inc.		
City: Dickinson	County/Parish: Galveston	State: Texas



Photo File Name: DSCN6934

Date of Photo: 12/07/2023

Time of Photo: 09:56 hrs.

Photographer: George Wieber

Description: A 55-gallon drum that was corroded and contained residuals of unidentified liquids in the drum storage area.



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Photograph Log

Photo No. 19

Location: ACCP Inc.		
City: Dickinson	County/Parish: Galveston	State: Texas



Photo File Name: DSCN6935

Date of Photo: 12/07/2023

Time of Photo: 10:03 hrs.

Photographer: George Wieber

Description: An overview image of unlabeled used oil drums in the drum storage area (black 55-gallon drums).



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Photograph Log

Photo No. 20

Location: ACCP Inc.		
City: Dickinson	County/Parish: Galveston	State: Texas



Photo File Name: DSCN6936

Date of Photo: 12/07/2023

Time of Photo: 10:03 hrs.

Photographer: George Wieber

Description: An overview image of the unlabeled used oil drums in the drum storage area (black 55-gallon drums).



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Photograph Log

Photo No. 21

Location: ACCP Inc.		
City: Dickinson	County/Parish: Galveston	State: Texas



Photo File Name: DSCN6937

Date of Photo: 12/07/2023

Time of Photo: 10:06 hrs.

Photographer: George Wieber

Description: Unlabeled used oil drums in the drum storage area (black 55-gallon drums).



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Photograph Log

Photo No. 22

Location: ACCP Inc.		
City: Dickinson	County/Parish: Galveston	State: Texas



Photo File Name: DSCN6938

Date of Photo: 12/07/2023

Time of Photo: 10:07 hrs.

Photographer: George Wieber

Description: Unlabeled 55-gallon used oil drums in the drum storage area (as seen in Photo 21) that were later labeled with yellow marking after the inspection team notified the site representative of the concern.



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Photograph Log

Photo No. 23

Location: ACCP Inc.		
City: Dickinson	County/Parish: Galveston	State: Texas



Photo File Name: DSCN6939

Date of Photo: 12/07/2023

Time of Photo: 10:12 hrs.

Photographer: George Wieber

Description: Used batteries on pallets near drum storage area. One of the batteries (to the left of the image) came from a ship pickup, and the others came from ACCP boats and vehicles/equipment. The batteries were not labeled as universal waste and did not have an accumulation start date.



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Photograph Log

Photo No. 24

Location: ACCP Inc.		
City: Dickinson	County/Parish: Galveston	State: Texas



Photo File Name: DSCN6940

Date of Photo: 12/07/2023

Time of Photo: 10:17 hrs.

Photographer: George Wieber

Description: Used batteries on pallets that came from ACCP Dickinson boats and vehicles/equipment found near the drum storage area. The batteries were not labeled as universal waste and did not have an accumulation start date.



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Photograph Log

Photo No. 25

Location: ACCP Inc.		
City: Dickinson	County/Parish: Galveston	State: Texas



Photo File Name: DSCN6941

Date of Photo: 12/07/2023

Time of Photo: 10:22 hrs.

Photographer: George Wieber

Description: Six 5-gallon buckets of used paints received from ships as waste found near the drum storage area. The containers were not labeled as universal waste and did not have an accumulation start date.



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Photograph Log

Photo No. 26

Location: ACCP INC.		
City: Dickinson	County/Parish: Galveston	State: Texas



Photo File Name: DSCN6942

Date of Photo: 12/07/2023

Time of Photo: 10:27 hrs.

Photographer: George Wieber

Description: One of ACCP's boats returning from a waste pickup with supersacks of waste material onboard.



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Photograph Log

Photo No. 27

Location: Texana Waste Services LTD		
City: Channelview	County/Parish: Harris	State: Texas



Photo File Name: DSCN6943

Date of Photo: 12/07/2023

Time of Photo: 14:16 hrs.

Photographer: George Wieber

Description: An open 55-gallon drum containing used oil sludge material from a ship in the drum storage area.



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Photograph Log

Photo No. 28

Location: Texana Waste Services LTD		
City: Channelview	County/Parish: Harris	State: Texas



Photo File Name: DSCN6944

Date of Photo: 12/07/2023

Time of Photo: 14:16 hrs.

Photographer: George Wieber

Description: Four 55-gallon drums received from ships containing used oil or used oil sludge material found in the drum storage area. The drums were not clearly labeled, were not fully closed, and some were corroded and/or had holes in them.



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Photograph Log

Photo No. 29

Location: Texana Waste Services LTD		
City: Channelview	County/Parish: Harris	State: Texas



Photo File Name: DSCN6945

Date of Photo: 12/07/2023

Time of Photo: 14:16 hrs.

Photographer: George Wieber

Description: An open tote used to accumulate expired flares or pyros received from ships found in the drum storage area.



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Photograph Log

Photo No. 30

Location: Texana Waste Services LTD		
City: Channelview	County/Parish: Harris	State: Texas



Photo File Name: DSCN6946

Date of Photo: 12/07/2023

Time of Photo: 14:26 hrs.

Photographer: George Wieber

Description: An overview of the outdoor drum storage area used to manage used oil containers and expired flare/pyro wastes received from ships.



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Photograph Log

Photo No. 31

Location: Texana Waste Services LTD		
City: Channelview	County/Parish: Harris	State: Texas



Photo File Name: DSCN6947

Date of Photo: 12/07/2023

Time of Photo: 14:32 hrs.

Photographer: George Wieber

Description: Expired life rafts received from ships in the drum storage area.



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Photograph Log

Photo No. 32

Location: Texana Waste Services LTD		
City: Channelview	County/Parish: Harris	State: Texas



Photo File Name: DSCN6948

Date of Photo: 12/07/2023

Time of Photo: 14:40 hrs.

Photographer: George Wieber

Description: An open tote located near the back fence of the site that contained batteries, a gas cylinder, and miscellaneous items in standing liquid (appeared to be residual rainwater).



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Photograph Log

Photo No. 33

Location: Texana Waste Services LTD		
City: Channelview	County/Parish: Harris	State: Texas



Photo File Name: DSCN6949

Date of Photo: 12/07/2023

Time of Photo: 14:43 hrs.

Photographer: George Wieber

Description: A roll-off container filled with miscellaneous waste and standing liquid (appeared to be residual rainwater) located near the back fence of the site. There was also liquid accumulated beneath the roll-off container.



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Photograph Log

Photo No. 34

Location: Texana Waste Services LTD		
City: Channelview	County/Parish: Harris	State: Texas



Photo File Name: DSCN6950

Date of Photo: 12/07/2023

Time of Photo: 14:46 hrs.

Photographer: George Wieber

Description: A pile of containers including seven 5-gallon jugs and two 55-gallon drums located near the back fence of the site. Inspectors could not identify whether the containers held any material or what was in the containers.

Appendix 2

Opening Conference Attendees Sign-in Sheets

Please write legibly:

[illegible]

Inbrief/Outbrief Sign in Sheet

Inspection Site: EPA R6 Port Houston

Date: 12/7/2023

Please write legibly: ACCP, in the Mainland Cement Property, Dock 1 area

Name	Role	Organization Representing	Phone	E-mail
Joseph Watson	RCRA Inspector	ERG/EPA Contractor	215-891-6615	JOE.WATSON@ERG.COM
Mark Nokolby	ACCP	ACCP	281-813-1213	ops@accpwasteservices.com
Dedriel Gardner	RCRA Inspector	EPA R6	281-938-2133	gardner_dedriel@epa.gov
Sandesh Thapa	EPA Inspector	EPA R6	214-665-2265	thapasandesh@epa.gov
Elizabeth Pham	EPA Inspector	EPA R6	214-665-8354	pham.elizabeth@epa.gov
Cameron Tanaka	EPA RCRA Inspector	ERG (EPA Contractor)	505-314-6432	cameron.tanaka@erg.com
George Wieber	RCRA Inspector	"	443-862-5253	george.wieber@erg.com
Vince Pamiano	RCRA Inspector	"	570-956-1468	vince.pamiano@ERG.COM

Inbrief/Outbrief Sign in Sheet

E3 OMI LLC

Inbrief/Outbrief Sign in Sheet

Inspection Site: EPA R6 Port Houston

Date: 12-5-2023

Please write legibly:

Name	Role	Organization Representing	Phone	E-mail
Vince Damiano	RCRA Inspector	EPA, ERG contractor	570-956-1468	Vince.Damiano@ERG.com
George Wieber	"	"	443-883-5253	george.wieber@erg.com
Sick Hong Chen-Sabot	Waste Disposal Manager	E3OMI	713-705-5391	sickhong@E3omi.com
Dedriel Gardner	RCRA Inspector	US EPA R6	281 983 2133	gardner.dedriel@epa.gov
Nick Perez	Safety Manager	E3OMI	281-733-3505	nperez@E3omi.com
Murty Bieuvreau	COO	E3OMI	337-287-3305	mbieuvreau@E3OMI.com
Tony Stampen	OPS man	E-3 OMI	346-641-7218	TStampen@E3omi.com

Inbrief/Outbrief Sign in Sheet

Inspection Site: EPA R6 Port Houston

Date: 12/6/2023

Please write legibly: Houston Fuel oil Terminal Co. Energy Transfer subsidiary ^{LLC}

Name	Role	Organization Representing	Phone	E-mail
Joseph Watson	RCA EPA Inspector	ERG EPA Contractor	215-891-6615	Joe.Watson@ERG.com
Cameron Tanaka	RCRA Inspector	ERG (EPA Contractor)	508-314-6432	cameron.tanaka@erg.com
Elizabeth Pham	EPA Inspector	EPA R6	214-665-8354	pham.elizabeth@epa.gov
SANDESH THAPA	EPA Inspector	EPA R6	214-665-2265	thapa,sandesh@epa.gov
BENOIT LAMARCHE	ENV MANAGER	ENERGY TRANSFER	713-948-7517	benoit.lamarche@energytransfer.com
Kathryn O'Malley	Env. specialist	Energy Transfer	713-948-7540	Kathryn.O'Malley@energytransfer.com
Holly Heil	Env. Specialist	Energy Transfer	713-948-1162	holly.heil@energytransfer.com
Charles Suggs	Ops manager	ET Houston Terminal	713-948-7544	charles.suggs@energytransfer.com

Inbrief/Outbrief Sign in Sheet

Inspection Site: EPA R6 Port Houston

Date: 12/8/2023

Please write legibly: INCHCAPE SHIPPING SERVICES

Name	Role	Organization Representing	Phone	E-mail
Joseph Watson	RCRA INSPECTOR	ERG, EPA CONTRACTOR	215-891-6615	JOE.WATSON@ERG.COM
Cameron Tanaka	RCRA Inspector	ERG, EPA Contractor	508-314-6432	cameron.tanaka@erg.com
Elizabeth Pham	EPA Inspector	EPA R6	214-665-8354	pham.elizabeth@epa.gov
SANDESH THAPA	EPA Inspector	EPA R6	214-665-2265	thapa.sandesh@epa.gov
David Vazquez	Billing Clerk	Inchcape Shipping	832-622-8092	david.vazquez@inchcape-shipping.com
Elizabeth Jones	Billing Manager	Inchcape	781-731-4668	elizabeth.tones@iss-shipping.com
Vince Damiano	RCRA Inspector	ERG, EPA contractor	570-956-1468	Vince.Damiano@ERG.com
George Wieber	RCRA Inspector	ERG (EPA Contractor)	443-883-5253	george.wieber@erg.com
Dedriel Gardner	RCRA Inspector	EPA R6	281-963-2133	gardner.dedriel@epa.gov
Hope German	MSM US West Coast	Inchcape	415-805470	Hope.german@iss-shipping.com

Audit Site: EPA R6 Port Houston

Date: 12/6/2023 Jacinto RT International LP

Please write legibly: 8:45 am

Name	Role	Organization Representing	Phone	E-mail
Joseph Watson	RCRA Inspector	ERG, EPA Contractor	215-891-6615	Joe.Watson@ERG.COM
Cameron Tanaka	RCRA Inspector	ERG, EPA Contractor	508-314-6432	cameron.tanaka@erg.com
SANDESH THAPA	RCRA Inspector	EPA RL	214-665-2265	thapa.sandesh@epa.gov
Elizabeth Pham	RCRA Inspector	EPA RL	214-665-8354	pham.elizabeth@epa.gov
Stephen White	HSE Supervisor	JPI	832-235-7629	stephen.white@jacintoport.com

K-Solv

Inbrief/Outbrief Sign in Sheet

Inspection Site: EPA R6 Port Houston

Date: 12-6-2023

Please write legibly:

Name	Role	Organization Representing	Phone	E-mail
Vince Damiano	RCRA Inspector	EPA contractor, ERG	570-956-1468	Vince.Damiano@ERG.com
Kodi Scott	Compliance Coordinator	Ksolv	281 254 2914	Kodi@ksolv.com
Dedriel Gardner	RCRA Inspector	US EPA R6	281 983 2133	gardner.dedriel@epa.gov
George Wieber	RCRA inspector	ERG (EPA contractor)	443-883-5253	george.wieber@erg.com
Bernard Nelson	Legacy Environmental	Ksolv	713-539-1304	
Jaime Armendariz	AARC Consultant	AARC Env/K-solv	713-818-3799	jarmendariz@aarcgroup.com

Inbrief/Outbrief Sign in Sheet

Inspection Site: EPA R6 Port Houston

Date: 12/4/2023 11:35am LBC TANK Terminals

Please write legibly:

Name	Role	Organization Representing	Phone	E-mail
Joseph Watson	RCRA Inspector	ERG/EPA Contractor	215-891-6615	Joe.Watson@ERG.com
SANDESH THAPA	EPA Inspector	EPA	469-616-8578	thapa.sandesh@epa.gov
Vince Damiano	RCRA Inspector	ERG/EPA contractor	570-956- ¹⁴⁶⁸ 7888	Vince.Damiano@ERG.com
George Wieber	RCRA Inspector	ERG (EPA contractor)	443-883-5253	george.wieber@erg.com
Cameron Tanaka	RCRA Inspector	ERG (EPA contractor)	508-714-6472	cameron.tanaka@erg.com
Tommy Kinner	Terminal Manager	LBC	713-208-9784	t.kinner@lbctt.com
Glen Davis	Environmental Coord	LBC	713-247-9331	g-davis@LBCTT.COM
Derek Ely	UTILITY LEADER	LBC	532-270-2840	D-ELY@LBCTT.COM
Dedriel Gardner	EPA Inspector	US EPA RL	²⁸¹ 983-2133	gardner.dedriel@epa.gov
Elizabeth Pham	EPA Inspector	US EPA RL	214-665-8354	pham.elizabeth@epa.gov
Jason Wood	Compliance + LEAD Manager	LBC	(713) 851-8220	ja-wood@LBCTT.COM
BOBBY PANCIATO	REGIONAL MANAGER REGULATORY DIV	LBC	281-291-3402	bpanciato@lbctt.com

Inbrief/Outbrief Sign in Sheet

Inspection Site: EPA R6 Port Houston

Date: 12-5-2023

Please write legibly:

Phoenix Pollution

Name	Role	Organization Representing	Phone	E-mail
Vince Damiano	RCRA Inspector	ERG, EPA contractor	570-956-1468	Vince.Damiano@ERG.com
Nelson Fetgatter	President	Phoenix	832 247-7273	nelson@phoenixpollution.com
Mark Frazee	Waste Coordinator	Phoenix	281 838-3400	markf@phoenixpollution.com
Dedrie Gardner	RCRA Inspector	EPA R6	281 983 2133	gardner.dedrie@epa.gov
George Wieber	RCRA inspector	ERG (EPA contractor)	443-883-5253	george.wieber@erg.com
Travis Fetgatter	Operations Manager	Phoenix	281-793-9263	Travis@phoenixpollution.com

Inspection Site: EPA R6 Port Houston

Date:

Inspection Site: LA Raptor Houston
Date: Richardson Steel Terminal
Please write legibly: 12/5 1:15pm

Please write legibly:

Appendix 2 Page 10 of 13

Inbrief/Outbrief Sign in Sheet

Inspection Site: EPA R6 Port Houston

Date: 12/5/2023

Please write legibly: VOPAK Terminals Deer Park

Name	Role	Organization Representing	Phone	E-mail
Joseph Watson	RCA Inspector	ERG EPA Contractor	215-891-6698	Joe.Watson@ERG.com
Joseph Kyte	operations manager	Vopak	281-387-8223	Joseph.Kyte@vopak.com
Bridgette Bolls	Envir Compliance	Vopak	281-604-6065	Bridgette.Bolls@vopak.com
Shelby Cole	Waste specialist	Vopak	281-604-6042	shelby.cole@vopak.com
Gary Jackson	DIRECTOR - SHEQ	Vopak	281-604-6060	gary.jackson@vopak.com
KEVIN SIMMONS	TRAINING MANAGER	Vopak	281-604-6044	KEVIN.SIMMONS@vopak.com
Elizabeth Pham	EPA Inspector	EPA R6	214-665-8354	pham.elizabeth@epa.gov
Cameron Tanaka	EPA Inspector	ERG (EPA Contractor)	508-314-6432	cameron.tanaka@erg.com

Inbrief/Outbrief Sign in Sheet

Inspection Site: EPA R6 Port Houston

Date: 12/7/2023

Please write legibly:

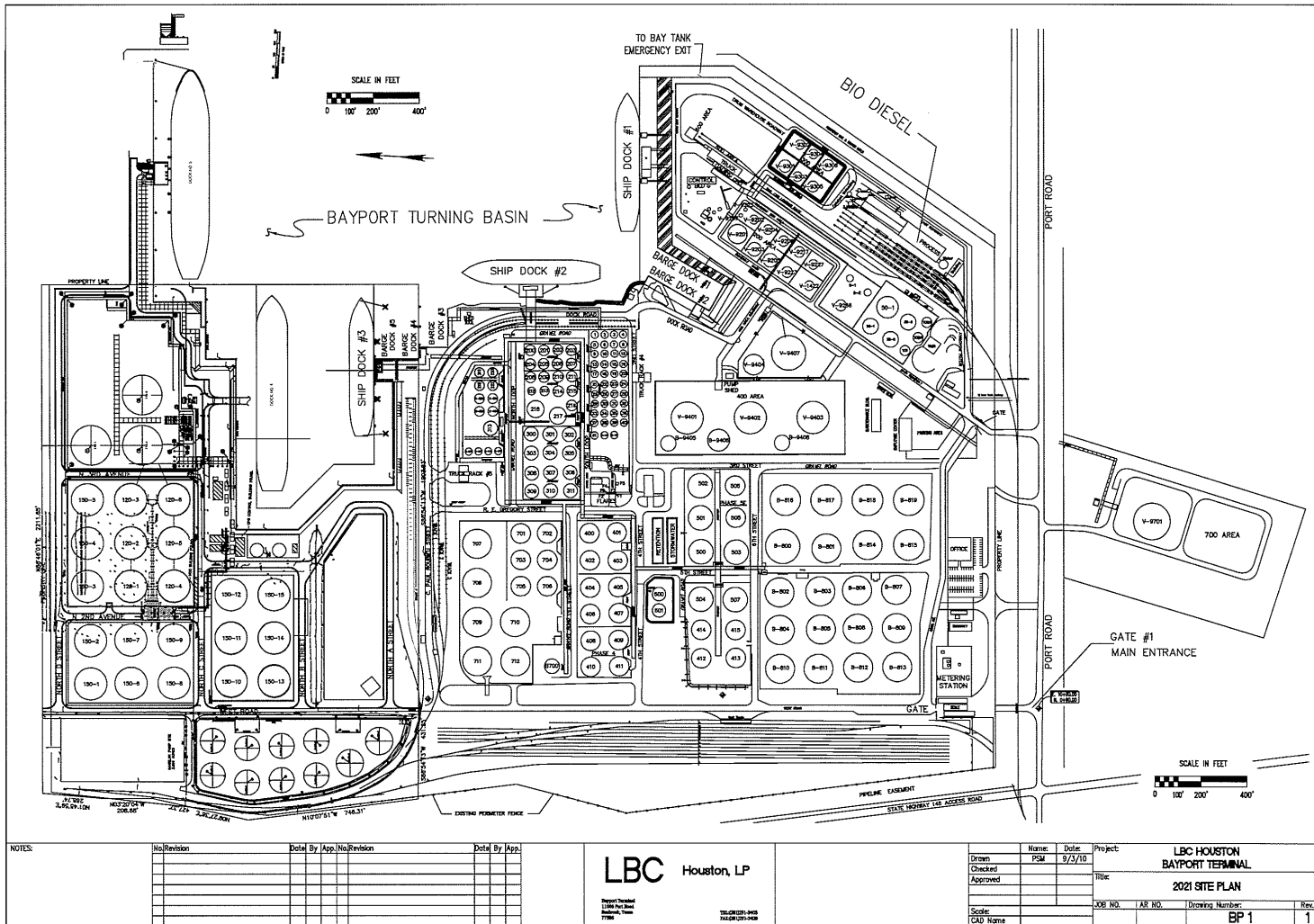
WPS, INC 9400 New Century Drive

Name	Role	Organization Representing	Phone	E-mail
Joseph Watson	RCRA INSPECTOR	ERG, EPA Contractor	215-891-6615	Joe.Watson@ERG.com
Cameron Tanaka	RCRA Inspector	ERG, EPA Contractor	508-314-8432	cameron.tanaka@erg.com
Elizabeth Pham	EPA Inspector	EPA R6	214-665-8354	pham.elizabeth@epa.gov
Sandesh Thapa	EPA Inspector	EPA R6	214-665-2265	thapa.sandesh@epa.gov
Michelle Toller	WSS Warehouse manager	WSS	832-6037645	Michelle.Toller@wilhelmsen.com
JESSE GARCIA	Customs Manager	WSS	281-6851294	jesse.garcia@wilhelmsen.com

Inbrief/Outbrief Sign in Sheet

Appendix 3

LBC Facility Layout



Appendix 4
E3 OMI Waste Policy and Inspection Checklist

Waste Policy

E3 Waste Program – Doc 1

29 MAR 2021 – Rev 1

The purpose of the E3 Waste Policies is to provide a unified approach to hazardous and non-hazardous waste management that is consistent throughout the Divisions of E3 Environmental, while maintaining or exceeding a strict adherence to RCRA regulations per 40 CFR 260-279 and the subsequent EPA requirements for compliance to such.

All waste-related forms should comply with the E3 Waste Policy – Document 1. Any changes in process should only be made upon amendment and redistribution of this Policy.

I. Waste Storage Area

- A. Waste storage area should always remain clean and free from debris
 - 1. Audit value: 1 pt
- B. Floor
 - 1. Audit value: 1 pt
 - 2. Should be chemical resistant with one of the following:
 - a. Concrete
 - b. High-density plastic berm / containment
 - c. Thick epoxy coating over wood. Approved epoxies are TBD
- C. Signs
 - 1. Should be visible and marked in large font, at least one (1) inch tall
 - 2. Should be located on storage area gate and other high visibility sides of area
 - 3. Audit value: 1 pt
 - 4. The following five (5) signs should be in place:
 - a. Hazardous Waste Storage Area OR Non-haz Waste Storage Area
 - b. Authorized Personnel Only
 - c. No Smoking
 - d. Emergency Contact Numbers
 - e. NFPA placard (not needed for “non-haz ONLY” waste storage areas)
- D. Fire extinguisher
 - 1. Should be mounted in a visible, nearby location outside the waste storage area
 - 2. Should not be separated from waste storage area by a door, gate, etc.
 - 3. Should be within inspection date
 - 4. Should be green tagged
 - 5. Should be AB or ABC rated
 - 6. Audit value: 1 pt

E. PPE & Spill Kit

1. Safety glasses should be worn at all times in the waste storage area
2. Face shield and nitrile gloves should be worn when opening any haz waste container
3. If spill occurs, leave storage area immediately and don proper PPE including suit, booties, APR, etc. before mitigating spill
4. Spill kit should be kept within waste storage area and labeled "spill kit"
 - a. Should include pads, nitrile inner gloves, sock boom, and Oil Dri
5. Audit value: 1 pt

F. Secondary containment

1. Should surround the entire waste storage area
 - a. Concrete berm
 - b. High-density plastic berm / containment
2. A spill containment pallet should be available for use with drums that remain open
 - a. E.g., DEF or Simple Green with a hand pump installed
3. high density plastic berm / containment should be utilized for any hazardous waste totes, roll-off boxes, vacuum boxes, or other hazardous waste containers stored outside of waste storage area
4. Audit value: 1 pt

G. aisles and exits should remain unobstructed.

1. Audit value: 1 pt

H. Eye wash station

1. Should be located within the waste storage area or at entrance
2. Should be locatable with impaired vision and easy to navigate to
3. Should be charged, within date, and ready for use
4. A bottle of eye wash saline is adequate
5. Audit value: 1 pt

I. Ventilation

1. Should be adequate to mitigate vapors and fumes from off-gassing wastes
 - a. E.g., built-in CONEX ventilation, roof turbines, etc.
2. Audit value: 1 pt

J. Waste labels

1. Audit value: 1 pt
2. May be stored in trucks and trailers:
 - a. Non-Hazardous Waste
 - b. Hazardous Waste
 - c. Biohazard
 - d. Hazard Class – 2, 3, 4, 5, 6, 8, 9
3. Should be stored inside waste storage area or at entrance of waste storage area:
 - a. Non-Hazardous Waste
 - b. Hazardous Waste
 - c. Pending Analysis
 - d. Universal Waste
 - e. Used Batteries
 - f. PCB Containing

- g. Biohazard
- h. EMPTY
- i. Hazard Class – 2, 3, 4, 5, 6, 8, 9

II. Waste Containers

A. Waste containers

- 1. Waste containers include but are not limited to the following: bottles, cans, pails, drums, supersacks/bulk bags, totes/IBCs, roll-off boxes, vacuum boxes, tanks, etc.
- 2. Should be in DOT-shippable condition
 - a. Audit value: 2 pts
- 3. Should not have waste leaking or residue on exterior of container
 - a. Audit value: 2 pts
- 4. Should be properly closed and vented (if needed) to ensure no/minimal spillage if tipped
 - a. Audit value: 2 pts

B. Labeling.

- 1. All waste containers should have waste-specific labeling
 - a. Audit value: 6 pts
 - b. If a waste container does not have any waste labels applied, all six points will be subtracted from audit report
- 2. Every container should have three (3) labels: two on opposing sides, one on top
 - a. Audit value: 5 pts
- 3. All non-waste containers on E3 property containing product (shop use, recycling, etc.) should not have a waste label applied. These should be labeled per OSHA.
- 4. For all roll-off boxes, vacuum boxes, and frac tanks:
 - a. One (1) label should be applied on front end and two (2) labels should be applied on opposing sides.
 - b. Labels should be visible when box is open or closed.
 - c. Labels should be removed immediately after dumping content
- 5. A bulk bag (supersack) that has only one label pouch may have one label as long as it is in a location that the sun will not fade the label, otherwise tape a second label on opposing side and on top. This is the only exception to the three-label rule.
- 6. All waste labels should be vinyl, no paper labels should be used
- 7. All waste labels should be applied directly to waste container. No waste label should be applied over another waste label or any other type of label. Old labels should be completely removed before applying new labels (e.g., switching from pending analysis to haz/non-haz labels)
- 8. All labels should be completed with all required information and be legible
 - a. Audit value: 4 pts
- 9. Every label should be populated with the following data:
 - a. Non-Hazardous Waste
 - i. Accumulation start date
 - ii. Generator name
 - iii. Generator address
 - iv. Generator phone number
 - v. General description of contents
 - vi. E3 job number
 - vii. If more than one container, may number lids (e.g., 1 of 3)

- b. Hazardous Waste
 - i. Accumulation start date
 - ii. Generator name
 - iii. Generator phone number
 - iv. Generator address
 - v. Generator EPA ID or "CESQG" (***NOT E3's EPA ID***)
 - vi. General description of contents
 - vii. E3 job number
 - viii. If more than one container, may number lids (e.g., 1 of 3)
 - ix. Proper shipping name (required before shipment)
 - x. Manifest tracking number (required before shipment)
 - xi. EPA waste numbers / waste codes (required before shipment)
 - xii. Accompany with all proper hazard class diamonds, 3/container
 - xiii. Photo should be sent to President / CWDC for review - required
 - xiv. Indicate in job notes / Form 1 - optional
 - a. If drum contains smaller containers (e.g., labpack)
 - b. If overpack / labpack, indicate size of inner container(s)
- c. Pending Analysis
 - i. Accumulation start date
 - ii. Generator name, address, phone number
 - iii. General description of contents
 - iv. E3 job number

C. Compatibility

- 1. Incompatible wastes should be properly segregated
 - a. Acids/caustics should be segregated from flammables
 - b. Acids should be segregated from caustics
 - c. Oxidizers should be segregated from everything
 - d. Many corrosives are water-reactive
 - e. Segregate organic reactives from inorganic reactives (metals)
 - f. Audit value: 2 pts
- 2. All wastes should be stored in compatible containers
 - a. Acids / caustics should be in poly drums
 - b. Flammables should be in steel drums
 - c. Audit value: 2 pts

III. Recordkeeping

A. Waste log

- 1. Should always be accurate, current, and legible
- 2. All applicable cells within each row should be populated
- 3. Audit value: 5 pts
- 4. Maintain hard copy of waste log in binder for minimum of three (3) years

B. Waste storage area inspections

1. Weekly inspections of the waste storage area should be completed and sent to CWDC by Friday at 1800 each week. Inspections may be conducted and submitted any day after the prior Friday (Saturday – Friday)
2. Any late inspections will be counted off the same as a missed inspection.
3. Audit value: 5 pts
4. Maintain hard copy of all inspections for minimum of three (3) years

C. Waste audits

1. Waste storage area audits will be conducted quarterly at each office
2. Audit reports will be individually submitted to the E3 Board, VP of Operations, and Division Managers as they are performed throughout the quarter.
3. Audits will be conducted by:
 - a. Primary – Jonathan Bethea and JT Newman
 - b. Secondary – Justin Plant and Trace Sugg
 - c. Secondary auditors may conduct an audit if neither primary auditor is available to visit a given office within a quarter
4. 0 – 44 pts: Fail, 45 – 50 pts: Pass
5. Any “Not Applicable” sections of an audit will be counted as full points (e.g., no waste on site at time of audit)
6. Weekly inspections will be graded based on all inspections being submitted weekly since the prior audit, not on a strict quarterly basis
7. Audit grading
 - a. Any audit checkoff with a value of 1 is pass/fail.
 - b. Any audit checkoff with a value of 2 may be graded as 0/2, 1/2, or 2/2
 - c. Any audit checkoff with a value of greater than 2 will be graded on a two-point scale (e.g., 5/5, 3/5, 1/5, 0/5.)
 - d. Exception to the above is checkoff #15 (all waste containers having at least 1 waste label applied) which is pass/fail with a value of 6 pts

D. State/EPA: RCRA Inspection Preparation

1. A primary and alternate Point of Contact should be designated within each office
2. Formulate a Hazardous Waste Contingency Plan and train all employees on it in case of a hazardous waste incident within the facility
3. Review the facility Contingency Plan regularly
4. Maintain the following hazardous waste-related documents and forms in an easily accessible location:
 - a. Manifests
 - b. Waste determination forms – Form 2
 - c. Training records (attendance sheets)
 - d. Contingency plan
 - e. Inspection checklists – Form 4

IV. Hazardous Waste & Ancillary Topics

- A. Corporate Waste Disposal Coordinator (CWDC), E3 President, or other E3 approved 3rd Party should receive all hazardous waste profiles, manifests, LDR forms, labels, and all other hazardous waste-related forms for review and revision before use or transfer to any non-E3 person.
- B. CWDC, E3 President, or other E3 approved 3rd Party will make hazardous waste determinations
- C. Only the CWDC or President may sign hazardous waste forms of any kind “on behalf” of the generator
- D. Any hazardous waste-related forms, profiles, manifests, or otherwise that contains errors and which neither the E3 President or CWDC reviewed will affect the subsequent audit
 - 1. Audit value: 5 pts
- E. E3 personnel may not sign any waste forms for non-hazardous waste unless approved by E3 President or CWDC, in which case may sign “on behalf” of the generator. Appropriate Third Party Authorization (TPA) or chain of TPAs from the client, originating with the generator, should be received before signing.
- F. Costs including but not limited to; transportation, disposal, treatment, stabilization, packaging, salvage packaging, labor, fees, tax, etc. should be marked up as appropriate and sent to client in writing before shipping any waste to TSDF.
- G. E3 Environmental falls within RCRA’s “transfer facility definitions, therefore all hazardous waste must be shipped to a TSDF or second transfer facility within ten (10) days of the accumulation start date. Exceptions can be made for waste originating from an emergency response job.
- H. If waste at an E3 facility is not shipped off E3’s property within the below given timeline, a notification email should be sent to JT Newman and Jonathan Bethea, copying George Malvaney, Glen Thompson, Don Warren, and Justin Plant.
 - 1. For hazardous waste: day 30 and again on day 60
 - 2. For non-hazardous waste: day 60

I. RCRA Training

1. All employees should receive RCRA training as it relates to their level of responsibility
2. All RCRA training sign-in sheets and certificates or other forms of training documentation should be kept on file for the entirety of any given employees term of employment, and for three years following termination
3. The Training Modules are as follows:
 - a. E3 Waste Program (EWP) training:
 - i. Approx. 1 hour
 - ii. May be provided formally or informally as needed by/at each office
 - iii. CWDC may be requested to provide EWP training for individual offices as needed and per CWDC's availability
 - iv. All operational employees should be familiar with the EWP Policies and Forms, have access to them, and be proficient in their use
 - b. RCRA Operations:
 - i. Approx. 3 hours
 - ii. Taught by CWDC or E3 President
 - iii. If needed, a RCRA-trained Manager or other E3 Chemist may teach
 - iv. Offered at each office at least twice annually
 - v. Required annual attendance for all operational employees
 - a. EPA requires annual RCRA training
 - c. RCRA Management:
 - i. Approx. 8 hours
 - ii. Taught by E3 President or CWDC
 - iii. Offered at each office at least once annually
 - iv. For Division Managers, Operations Managers, Division Waste Disposal Coordinators (i.e. Trace Sugg, Dan Vogan, Dustin Rikard, David Shavers, etc.) as well as any Corporate Ops, etc. who will be involved in making waste determinations / overseeing waste management
 - d. McCoy's RCRA
 - i. 40 hour certificate
 - ii. biannual refresher certificate required
 - iii. For E3 Chemists: Jonathan Bethea and Trace Sugg



Waste Project Checklist

E3 Waste Program – Form 1.2

29 MAR 2021 – Rev 1

PROJECT DESCRIPTION

Generator's Name _____

E3 Job Number _____

Checklist	Generator Information												
☐ SDS or Analytical (circle one) ☐ Completed page 1 of Form 2 - Characterization ☐ Form 2 sent to Jonathan or JT for determination, waste codes, and DOT proper shipping name	Company Name: _____ EPA ID: _____ Address (Generation): _____ Address (Mailing): _____ Phone: _____ Contact Name: _____ Contact Phone: _____												
☐ Non-hazardous ☐ Hazardous ☐ Pending Analysis	☐ Recycle ☐ Universal ☐ Exempt												
☐ All containers labeled per Form 3 ☐ Photo of label reviewed by Jonathan / JT - if haz ☐ Third Party Authorization ☐ Profile reviewed by Jonathan / JT - if haz ☐ Profile signed by: _____ ☐ Profile submitted to TSDF ☐ Marked up pricing sent to client ☐ Manifest completed ☐ Manifest reviewed by Jonathan / JT - if haz ☐ Manifest signed by: _____ ☐ Labels revised and / or replaced per Form 3 Labels updated with EPA waste codes Labels updated with manifest tracking number Labels updated with proper shipping name Applicable hazard class diamonds applied ☐ Waste shipped to TSDF ☐ Received closed out Manifest ☐ Closed out manifest sent to client ☐ Job invoiced	Waste Information Accumulation Start Date: / / General Description: (be specific, estimate %) Solid Liquid Sludge: # Containers: Size: Container ID: <table border="0"> <tr> <td>Type:</td> <td>Drum</td> <td>Roll-off</td> <td>Vac Box</td> </tr> <tr> <td></td> <td>Pail</td> <td>IBC/tote</td> <td>Bulk Bag</td> </tr> <tr> <td></td> <td>Poly</td> <td>Steel</td> <td></td> </tr> </table> Labpack / Overpack / Salvagepack / Size of Inners: Hazard Class: PG: RQ: Y / N UN Number: Proper Shipping Name: EPA Waste Codes: Bill to: E3 / Generator / Other:	Type:	Drum	Roll-off	Vac Box		Pail	IBC/tote	Bulk Bag		Poly	Steel	
Type:	Drum	Roll-off	Vac Box										
	Pail	IBC/tote	Bulk Bag										
	Poly	Steel											
Job Notes:	<table border="0"> <tr> <td>Ac Start Date</td> <td>Date that waste arrives at E3 shop. If waste remains on generator's site, Accumulation start date is day that waste was cleaned up.</td> </tr> <tr> <td>RQ</td> <td>Reportable Quantity</td> </tr> <tr> <td>TPA</td> <td>Third Party Authorization</td> </tr> <tr> <td>TSDF</td> <td>Treatment, Storage, Disposal Facility</td> </tr> </table>	Ac Start Date	Date that waste arrives at E3 shop. If waste remains on generator's site, Accumulation start date is day that waste was cleaned up.	RQ	Reportable Quantity	TPA	Third Party Authorization	TSDF	Treatment, Storage, Disposal Facility				
Ac Start Date	Date that waste arrives at E3 shop. If waste remains on generator's site, Accumulation start date is day that waste was cleaned up.												
RQ	Reportable Quantity												
TPA	Third Party Authorization												
TSDF	Treatment, Storage, Disposal Facility												



Waste Characterization
E3 Waste Program – Form 2

5 FEB 2021 – Rev 1

A. Waste Process and Description	
Waste description (including chemical/physical description):	
Process generating the waste:	
B. Waste Stream Determination	
Waste determination based on: ☐ User knowledge (process evaluation, SDSs, and interviews) ☐ Waste Analysis (list all sampling dates and attach analytical results)	<u>Date Obtained</u> Date: Date: ☐ Yes ☐ No
Would waste pass the Paint Filter Test? <i>Circle one:</i> <i>dry solid</i> <i>damp solid</i> <i>dripping solid</i> <i>thick sludge</i> <i>pumpable slurry</i> <i>liquid with some solids</i> <i>100% liquid</i>	☐ Solid : ☐ Liquid : ☐ Other : ☐ Yes ☐ No
Is the waste potentially PCB-contaminated?	☐ Yes ☐ No
Attachments: ☐ SDS ☐ Analytical report ☐ Generator knowledge documentation ☐ Other:	
<u>Project Manager's signature:</u> <u>Printed / typed name & title:</u> <u>Date:</u>	
STOP: Send Form to Jonathan or JT *** Must have attached SDS or analytical *** ☐ Jonathan Bethea // 601.966.5571 // jbethea@e3response.com // Corporate Waste Disposal Coordinator ☐ JT Newman // 601.966.6535 // jt@e3response.com // President	
<u>Date Sent To</u> Date: Date: (1/2)	

C. To Be Completed By One of the Above Listed Persons

Is the waste a "solid waste" per §261.2? <i>If no, specify:</i>	☐ Yes ☐ No
Is the solid waste excluded under §261.4 or exempt from regulation as a hazardous waste? <i>If yes, specify and describe:</i>	☐ Yes ☐ No
Is the waste a listed hazardous waste? (detail rational, as necessary) F-listed per §261.31 K-listed per §261.32 P-listed per §261.33e U-listed per §261.33(f)	☐ Yes ☐ No ☐ Yes ☐ No ☐ Yes ☐ No ☐ Yes ☐ No
Is the waste a characteristic hazardous waste? (detail rational, as necessary) Ignitable (D001) per §261.21 Corrosive (D002) per §261.22 Reactive (D003) per §261.23 Toxic (D004-D043) per §261.24 (select constituents below)	☐ Yes ☐ No ☐ Yes ☐ No ☐ Yes ☐ No ☐ Yes ☐ No

Metals (mg/L) ☐ D004 Arsenic (5.0) ☐ D005 Barium (100.0) ☐ D006 Cadmium (1.0) ☐ D007 Chromium (1.0) ☐ D008 Lead (5.0) ☐ D009 Mercury (0.2) ☐ D010 Selenium (1.0) ☐ D011 Silver (5.0)	Volatiles (mg/L) ☐ D018 Benzene (0.5) ☐ D019 Carbon Tetrachloride (0.5) ☐ D021 Chlorobenzene (100.0) ☐ D022 Chloroform (6.0) ☐ D028 1,2-Dichloroethane (0.5) ☐ D029 1,1-Dichloroethylene (0.7) ☐ D035 Methyl Ethyl Ketone (200.0) ☐ D039 Tetrachloroethylene (0.7) ☐ D040 Trichloroethylene (0.5) ☐ D043 Vinyl Chloride (0.2)	Semi-Volatiles (mg/L) ☐ D023 o-Cresol (200.0) ☐ D024 p-Cresol (200.0) ☐ D026 Cresol - total (200.0) ☐ D027 1,4-Dichlorobenzene (7.5) ☐ D030 2,4-Dinitrotoluene (0.13) ☐ D032 Hexachlorobenzene (0.13) ☐ D033 Hexachlorobutadiene (0.5) ☐ D034 Hexachloroethane (3.0) ☐ D036 Nitrobenzene (2.0) ☐ D037 Pentachlorophenol (100.0) ☐ D038 Pyridine (5.0) ☐ D041 2,4,5-Trichlorophenol (400.0) ☐ D042 2,4,6-Trichlorophenol (2.0)	Pesticides/Herbicides (mg/L) ☐ D020 Chlordane (0.03) ☐ D012 Endrin (0.02) ☐ D031 Heptachlor + epoxide (0.008) ☐ D013 Lindane (0.4) ☐ D014 Methoxychlor (10.0) ☐ D015 Toxaphene (0.5) ☐ D016 2,4-D (10.0) ☐ D017 2,4,5-TP (Silvex) (1.0)
---	--	--	--

FP = _____ °F / °C
 pH = _____
 cyanide / sulfide / W _____

RCRA Waste Determination:
☐ Hazardous waste with codes: _____
☐ Exempt because: _____

If PCBs, CWDC should verify RCRA status at §261.8. (TSCA regulations may apply.)

☐ Nonhazardous ☐ Universal Waste
☐ Used Oil

Is LDR applicable? <i>Treatability Group:</i> ☐ Wastewater ☐ Non-wastewater	☐ Yes ☐ No	Are UHCs present above treatment standards? <i>Specify UHCs:</i>	☐ Yes ☐ No
--	--	---	--

DOT proper shipping name: _____

Reviewer's signature: _____ Printed / typed name & title: _____ Date: _____ (22)

Labeling Checklist

E3 Waste Program – Form 3

29 MAR 2021 – Rev 1

- ☐ Drums, IBCs / totes, pails, etc: 3 labels, two on opposing sides & one on top
- ☐ Supersacks / bulk bags: 1 label in label pouch
- ☐ Vac boxes & roll-off boxes: 3 labels, two on opposing sides & one on front
- ☐ Legible & visible when container is open or closed & not placed over other labels

C. Pending Analysis

- ☐ Accumulation start date
- ☐ Generator name
- ☐ Generator address
- ☐ Generator phone number
- ☐ General description of contents
- ☐ E3 job number
- ☐ Number lids (E.g. 1/3, 2/3, 3/3) - optional

B. Non-Hazardous

- ☐ Accumulation start date
- ☐ Generator name
- ☐ Generator address
- ☐ Generator phone number
- ☐ General description of contents
- ☐ E3 job number
- ☐ Number lids (E.g. 1/3, 2/3, 3/3) - optional

A. Hazardous Waste

- ☐ Accumulation start date
- ☐ Generator name
- ☐ Generator address
- ☐ Generator phone number
- ☐ Generator EPA ID / CESQG *
- ☐ General description of contents **
- ☐ E3 job number
- ☐ Number lids (E.g. 1/3, 2/3, 3/3) - optional
- ☐ Send photo to Jonathan or JT for approval

- * >> NOT E3's transporter ID
- >> Must have CESQG documentation
- ** >> Be specific, estimate % of liq vs sol
- >> Skip if proper shipping name is available

Required before shipping

- ☐ EPA waste numbers (waste codes)
- ☐ Manifest tracking number
- ☐ Proper shipping name
- ☐ Applicable hazard class diamonds
- ☐ Send photo of label to Jonathan or JT for approval

>> include "Waste", RQ, UN, haz class, PG, etc.

(1/1)

☐ Jonathan Bethea // 601.966.5571 // jbethea@e3response.com // CWDC

Primary

☐ JT Newman // 601.966.6535 // jt@e3response.com // President

Secondary



Waste Inspection Checklist

E3 Waste Program – Form 4

29 MAR 2021 – Rev 1

LOCATION 035 Deer Park
INSPECTOR Siok Hong Chen - Safety

DATE 6/27/2023

A. Inspection

- | | | | |
|--|--|----------|----------|
| 1) Is the area clean and free of debris? | _____ | <u>Y</u> | <u>N</u> |
| 2) Are signs in place and visible? | _____ Refer to back of sheet _____ | <u>Y</u> | <u>N</u> |
| 3) Is fire extinguisher in date? | _____ | <u>Y</u> | <u>N</u> |
| 4) Is spill kit missing any components? | _____ Refer to back of sheet _____ | <u>Y</u> | <u>N</u> |
| 5) Is spill pallet available and in use where necessary? | _____ | <u>Y</u> | <u>N</u> |
| 6) Are isles and exits unobstructed? | _____ | <u>Y</u> | <u>N</u> |
| 7) Is eye wash station unobstructed? | _____ | <u>Y</u> | <u>N</u> |
| 8) Is eye wash station charged for use? | _____ | <u>Y</u> | <u>N</u> |
| 9) Is there an adequate supply of waste labels in the waste storage area? | | | |
| a. Hazardous | _____ | <u>Y</u> | <u>N</u> |
| b. Non-hazardous | _____ | <u>Y</u> | <u>N</u> |
| c. Pending Analysis | _____ | <u>Y</u> | <u>N</u> |
| d. Hazard class diamonds | _____ | <u>Y</u> | <u>N</u> |
| e. Other labels | _____ | <u>Y</u> | <u>N</u> |
| 10) Are the containers in DOT-shippable condition? | | | |
| a. Are they free from punctures? | _____ | <u>Y</u> | <u>N</u> |
| b. Are they free from dents on the seam? | _____ | <u>Y</u> | <u>N</u> |
| c. Are they free from large dents? | _____ | <u>Y</u> | <u>N</u> |
| d. Are they free from heavy rust / pitting? | _____ | <u>Y</u> | <u>N</u> |
| e. Are they disintegrating? | _____ | <u>Y</u> | <u>N</u> |
| 11) Are waste containers free from spillage / residues on exterior? | <u>Blue SS-poly (amt to pickup) is not</u> | <u>Y</u> | <u>N</u> |
| 12) Are waste containers properly closed and vented (if needed)? | _____ | <u>Y</u> | <u>N</u> |
| 13) Are all waste containers labeled with waste labels? | _____ | <u>Y</u> | <u>N</u> |
| 14) Are all non-waste containers labeled with proper labels? | _____ | <u>Y</u> | <u>N</u> |
| 15) Are labels on both sides and top of containers - 3 / containers? | _____ | <u>Y</u> | <u>N</u> |
| 16) Are labels complete with all required information and legible? | _____ Refer to back of sheet _____ | <u>Y</u> | <u>N</u> |
| 17) Are incompatible wastes properly segregated in storage area? | _____ Refer to back of sheet _____ | <u>Y</u> | <u>N</u> |
| 18) Are all wastes in compatible containers? | _____ Refer to back of sheet _____ | <u>Y</u> | <u>N</u> |
| 19) Is waste log current? | _____ | <u>Y</u> | <u>N</u> |
| 20) Has any waste been on site longer than 30 days (haz) or 60 days (non-haz)? | <u>035-22-077 + 035-22-0067</u> | <u>Y</u> | <u>N</u> |
| 19) If yes to point 20, have these wastes been reported? | <u>To Siok Hong</u> | <u>Y</u> | <u>N</u> |

B. Notes & Corrective Actions

C. Signature

Signature [Signature]

Position/Title

Waste Disposal Coordinator

Scan front page of form only

Send to Jonathan before 1800 on Friday

Jonathan Belhea // 601.966.5571 // jbelhea@e3response.com // CWDC

(1/2)

[illegible]

Waste Audit

Form 6

Location	<u>Y</u>
Date	<u>Q</u>
Inspector	<u>P / F</u>
Contact	

#	Waste Storage Area	S	NS	Pts	Notes
1	Is the area clean & free of debris?			1	
2	Is the floor chemical resistant?			1	
3	Is proper signage in place and visible?			1	
4	Is a fire extinguisher in place and accessible? Is it green tagged?			1	
5	Is a spill kit in place & have all required components?			1	
6	Is adequate secondary containment in place?			1	
7	Are aisles & exits unobstructed?			1	
8	Is an eye wash station available & charged for use?			1	
9	Is proper ventilation in place?			1	
11	Is there an adequate supply of all needed waste labels?			1	

/ 10

#	Waste Containers	S	NS	Pts	Notes
12	Are containers in DOT-shippable condition?			2	
13	Are containers free of spillage?			2	
14	Are containers properly closed / vented?			2	
15	Are all containers labeled?			6	

/ 12



16	Are labels placed on both sides & on top (3 per container)?			5	
17	Are labels complete with all required information and legible?			4	
18	Are incompatible wastes properly segregated?			2	
19	Are all wastes stored in compatible containers?			2	

/ 13

#	Recordkeeping	S	NS	Pts	Notes
20	Is waste log updated & accurate?			5	
21	Have weekly inspections been conducted and logged?			5	
22	Are haz waste profiles & manifests fall within regulatory guidelines, including TPAs?			5	

/ 15

/ 50

Pass / Fail

Notes

In Log

In Storage Area

Appendix 5
E3 OMI Waste Log

Month / Year

March 2023



E3 ENVIRONMENTAL

Waste Storage Log

Division 035 Deer Park Facility

Division 035 UPRR KTN Facility

Date	Job #	H / NH	L / S	No. & Type of Container	Job Name	Waste Description	Disposal Date	Disposal Facility	E3 PM Initials
	035-22-0115	H	S	4-DF	American Warehouse	floor dry, sack 4 ppe	4/5/2023	Accs Chemical	SHCS
11-23-22	035-22-0067	H	L	DF	Palmer logistics	overpacked DM w/Ammonia Hydroxide			
12-5-22	035-22-0080	H	S	DF	Palmer Logistics	Luprogon DM w/Floor Dry, PPE			
1-3-23	035-22-0115	H	L	Tote	American Warehouse	Acetic Acid Liquid	4/15/23	Accs Chemical	SHCS
12-2-22	035-22-0115	H	L	DF	Palmer logistics	Phosphoric Acid DM in overpack			
1-24-23	035-23-0097	NH	L	DM	Golf west Apts.	unknown product	3/28/23	Loruxar	SHCS
2-23-23	035-23-0099	NH	S	DM	UPRR	contaminated floor dry, ppe w/diesel			
1-11-23	035-23-0031	NH	S	DM	UPRR	Petroleum oil w/ Rocket soil sorbent			
2-28-23	035-23-0105	NH	S	2-DM	Watco	oily debris, ppe / Rocket soil sorbent			
3-20-23	035-23-0040	NH	S	DM	Watco	contaminated Regt Solvents	3/28/23	aaron oil	SHCS
3/3/23	035-23-0106	NH	S	DF	3PL Facility KTN	Two 25kg bag Capeolactam	3/6/23	GFL	DJ
3/4/23		NH	S	(tote/drum)	Watco	damaged tote, cont floor dry Calcium Bromide			
3/9/23	035-23-0124	NH	S	Drum	Hazmat 1	Catslyst / debris			
3/14/23	035-23-0139	NH	L	Drum	Reladyne	liquid / diesel	3/28/23	aaron oil	SHCS
3/15/23	035-23-0143	H	L	PD	wrist (clean barrels)	contaminated debris + PPE			
3/15/23	035-23-	NH	S	tote	R+L (Cura)	damaged tote (Empty)			
3/18/23	035-23-0152	NH	S	Drum	Cura	155 gal steel w/ floor dry pads, mix	3/28/23	aaron oil	SHCS
3/20/23		NH	S	DM	Hazmat 1	oil dry			
H	hazardous			DM - metal drum		BA - CY bag, bulk bag, supersack			
NH	non-hazardous			DF - plastic drum, DOT pail		CF - CY box (cardboard)			
L	liquid			TP - totes, IBCs, portable tanks		CY - cylinder			
SL	sludge			CM - rolloff box, vac box					
S	dry/damp solid			TT - tanker, vac truck					
						IF unsure, contact Waste Disposal Coordinator			

3/28/23 035-23-0175 NH

55 DM

2 (25) tote

Palmer logistics

1-55 gal steel DM cont floor dry
2-25 tote damaged Holomat pads
2-25 tote product Holomat pads

Month / Year APRIL 2023

Division DEER PARK



Waste Storage Log

**DEER
PARK**

Date	Job #	H / NH	L / S	No. & Type of Container	Job Name	Waste Description	Disposal Date	Disposal Facility	E3 PM Initials
3/31/23	035-23-0194	NH	S	2/DM	Coxa-Cola warehouse	Contaminated Floor Dry/Crash (Pots, Pails, PPE)	4/12/2023	Aracel	ckk
4/3/23	035-23-0026	H	L	3/DM	UPRR 4910 Liberty RD Houston, TX	Purge Water site wastes	4/5/2023	USE Ecology	ckk
11/23/22	035-22-0067	H	L	1/DF/Overpack	Palmer Logistics	Ammonium Hydroxide			
12/5/22	035-22-0007	H	S	1/DF	Palmer Logistics	Hypragen DMZ Floor Dry PPE			
12/2/22	035-22-0077	H	L	1/DF/Overpack	Palmer Logistics	phosphoric acid			
2/03/23	035-23-0093	NH	S	1/DM	UPRR (WR#013773)	Diesel, floor Dry, PPE	4/14/23	WM	gms
3/9/23	035-23-0124	NH	S	1/DM	Hazmat I	Catalyst / Debris			
3/4/23	035-23-0115	NH	S	1/tote	Watco	Calcium Bromide (Empty)	4/12/23	U-Waste	
3/4/23	035-23-0105	NH	S	1/DM	Watco	Calcium Bromide			
3/14/23	035-23-0145	NH	S	1/tote	R+L (Cura)	(Empty tote) Fm, white, 5.75% sulfur	4/12/23	U-Waste	
3/21/23	035-23-0158	NH	S	1/SSDM	BNSF	Diesel + oil Dry	5/3/23	Blunridge	Chauque
3/25/23	035-23-0168	NH	S	2/SSDM	UPRR Hardly Taped NOWR#?	Diesel + Sorbest	5/2/23	Stream	BACS/nick Duke
3/15/23	035-23-0149	Haz	S	1/SSDM	Alpha Marine Avenue C: Channel Island	Clean Harbor Nathan Basrick	985-373-5702		
4-10-23	035-23-0022	NH	S	1-33 Poly Drum 2-25 Empty tote	Cura / R+L Logistics	2-Empty, 100% 1-55 poly drum 20% sorbent	5/3/23 4/12/23	MOOARTO U-Waste	Chauque SACS
4-27-23	035-23-0259	NH		1 Sample Jar	Palmer Logistics	Ammoniac Polyacrylamide	5/2/23	Entrophy	AB (lab)
4-28-23	035-23-0260	NH		1 Sample Jar	A-G Express	Asphalt And's			AB
5-2-23	035-23-0261	NH	S	1-DF	ERTS-Landfill Taster	biofuel 1.5			AB
5/4/23	035-23-0281	NH	S	1/DM	Newport Tank Container	Naphthalene w floor dry			
H	hazardous			DM - metal drum		BA - CY bag, bulk bag, supersack			
NH	non-hazardous			DF - plastic drum, DOT pail		CF - CY box (cardboard)			
L	liquid			TP - totes, IBCs, portable tanks		CY - cylinder			
SL	sludge			CM - rolloff box, vac box					
S	dry/damp solid			TT - tanker, vac truck		IF unsure, contact Waste Disposal Coordinator			

Month / Year

May 2023



E3 ENVIRONMENTAL

Waste Storage Log

Division 035 - Durpark

Date	Job #	H / NH	L / S	No. & Type of Container	Job Name	Waste Description	Disposal Date	Disposal Facility	E3 PM Initials
11/23/22	035-22-0067	H	L	1 of overpack	Palmer Logistics	Ammonia Hydroxide ✓			
12/2/22	035-22-0077	H	L	1 DF over pack	Palmer Logistics	Lupragen floor dry PPE			
12/5/22	035-22-0080	H	S	1 DF over pack	Palmer Logistics	Phosphoric Acid			
3/9/23	035-23-0124	NH	S	1 DM	Hazmat one	catalyst debris	5/22/23	GFL	CH
3/4/23	035-23-0115	NH	S	1 DM	Watco	Calcium Bromide	5/19/23	GFL	Ramk
3/15/23	035-23-0143	H	S	1/55 DM	Alpha Marine Avenio C - Channel View	Clean Harbor - waiting on response			
4/10/23	035-23-0268	NH	S	1/55 DM	A-G Express	Absorbent Pads	5/22/23	Republic	CH
5/2/23	035-23-0275	NH	S	1-DF	ERTS / Landstar Trailers	BIOTROL 12.5			
5/4/23	035-23-0351	NH	S	1-DM	Newport Tank Container	Naphthalene w/ floor dry	5/25/23	Stream	CH
5/4/23	035-23-0268	NH	S	2-DM	UPRR 28-396710, Refugio TX	oil contaminated by Bross soil pads, Bross			
5-11-23	035-23-0302	NH	S	3-DM	John W Stone Oil	oil floor dry, PPE	5/16/23	Stream	CH
5-19-23	035-23-0322	NH	S	1-DM	UPRR	Absorbent pads, PPE	5/25/23	Stream	CH
5-22-23	035-23-0337	NH	S	8-DM	Car's GUL	Diesel, Oil, Paint, Solvent	5/15/23	Stream	
5-27-23	035-23-0340	NH	R/CRA	1 tote	Cura/R/L Carrier S	Lube oil tote	5/23/23	Stream	CH
5-20-23	035-23-0328	H	L	1-DM	Cura / Pasadena Trench	Metal Methane-hd's			
5-24-23	035-23-0317	NH	L	1 tote	Ethos Energy	Neutralized Water			

H
NH
L
SL
S

hazardous
non-hazardous
liquid
sludge
dry/damp solid

DM - metal drum
DF - plastic drum, DOT pail
TP - totes, IBCs, portable tanks
CM - rolloff box, vac box
TT - tanker, vac truck

BA - CY bag, bulk bag, supersack
CF - CY box (cardboard)
CY - cylinder
IF unsure, contact Waste Disposal Coordinator

Rejected

Month / Year

June 2023



Waste Storage Log

Division

035

Date	Job #	H/NH	L/S	No. & Type of Container	Job Name	Waste Description	Disposal Date	Disposal Facility	E3 PW Initials
11/23/2022	035-22-001	H	L	1 DF/over	Palmer Logistics	Ammonia Hydroxide			
12/22/2022	035-22-001	H	L	1 DF/over	Palmer Logistics	Hydrogen Peroxide	Note 6/15/23 This is phosphoric acid		
12/5/22	035-22-001	H	L	1 DF/over	Palmer Logistics	Phosphoric Acid	6/15/23 Bluebird		
5/2/23	035-23-005	NH	S	1-DF	ERTS/Landstar Trailers	Bontrol 2.5	6/14	Fort Bend Regional	GW
5/4/23	035-23-010	NH	S	2-DM	UPRR 88-51016 Refugio	Oil-cont. 20% Road salts			
5/22/23	035-23-012	H	L	8-DM	Cura Evans trucking	Nitromethane			
5/23/23	035-23-012	NH	S	8-DM	Gargi Temco	Rockes imported dead	6-12-23	BLUE RIDGE	GW
5/24/23	035-23-013	NH	L	1-tote	Ethos Energy	Neutralized waste			
6/5/23	035-23-014	H	L	1-DM	UPRR wood works	Substrate	6/11/23	UST Ecology	Chaque
6/8/23	035-23-017	NH	S	1 overpack damaged	Palmer Logistics	Silicate HPE impacted Hydroxide	6/15/23	Bluebird	GW
6/9/23	036-23-001	NH	S	5-DF	Greenland (ERTS)	Dried Birdhouse material	6/14/23	Fort Bend Regional	GW
6/9/23	035-23-016	NH	S	Box	UPRR Bird	Birds + Bird dropping	6/12/23	UPRR Yard	Mario Castro
6/15/23	035-23-010	NH	S	2-DM	CSEA/Martin Brauer	Discol. contaminated floor oil	6/15/23	Stream	Storking
6/13/23	Shoptrash	NH	L	1-DM	Shoptrash	Sorbent oil	6/15/23	Stream	Storking
6/13/23	Shoptrash	H	L	1-DM	Shoptrash	Paint Waste UN/263	6/20	U. waste	
6/12/23	Shoptrash	H	S	Pallet	Shoptrash	Batteries UN/263	6/20	U waste	
6/8/23	Shoptrash	NH	S	1-DF	Unknown solid	Box - need to pickup	6/20		

H - hazardous
NH - non-hazardous
L - liquid
SL - sludge
S - dry/damp solid

DM - metal drum
DF - plastic drum, DOT pail
TP - totes, IBCs, portable tanks
CM - rolloff box, vac box
TT - tanker, vac truck

BA - CY bag, bulk bag, supersack
CF - CY box (cardboard)
CY - cylinder
IF unsure, contact Waste Disposal Coordinator

Month / Year



E3 ENVIRONMENTAL

Waste Storage Log

Division Deer Park

Date	Job #	H / NH	L / S	No. & Type of Container	Job Name	Waste Description	Disposal Date	Disposal Facility	E3 PM Initials
6/8/23	KS01V	Unknown	S	1-DF	Unknown waste	Unknown - need to be	7/17/23	KS01V	Ch
6/8/23	KS01V	Unknown	S	1-DF	Unknown waste	Unknown - need to be	7/25/23	KS01V	AM
6/20/23	KS01V	NH	S	1-DF	grease - Used oil	Universal waste - U-waste	7/25/23	U-WASTE	SKCS
11/22/2023	035-23-0007	H	L	1-overpack	Palmer logistics	Ammonia Hydracide	7/5/23	USECO (Rep)	SKCS (Rep)
12/22/2023	035-23-0017	H	L	1-DF	Palmer logistics	Phosphoric Acid	8/9/23	USECO (Rep)	SKCS
5-4/2023	035-23-0200	NH	S	2-DM	UPRR	oil cont. / Bone pack / soil / hamp	7/6/23	WM	SKCS
5/22/2023	035-23-0388	H	L	1-DF	Cura Evanstrucking	nitromethane	7/6/23	circcon	Ch
5/24/2023	035-23-0377	NH	L	1-DF	Ethos Energy	neutralized washwater Acid	7/15/23	BFL	Garrett
6/8/2023	KS01V	Unknown	L	1-DF	Unknown waste (white)	KS01V - need pickup	7/13/23	KS01V	USE
6/21/23	033-23-0015	NH	S	1-DM	Cheveron Phillips	Rust scale + mud	7/17/23	Aaronail	CG
06/30/23	035-23-0414	NH	L	1-DF	Hazmat 1 (YRC Trailer)	Aquef Detergent (liquid)	7/19/23	Republic	Dennis
7-2-23	035-23-0418	NH	S	3-DF	Cotton	Concentrated vinegar	8/31/23	Republic	SKCS/Tanner
7/14/23	035-23-0435	NH	S	4-DM	UPRR	Parker Ballistics - ballist	8/4/23	WM	AM
7/14/23	035-23-0026	H	S	1-DM	UPRR/Golder	PPE	7/17/2023	USE - Boston	SKCS
7/17/23	035-23-0440	NH	S	3-DM	Energy Transfer	Crude oil + sorbent	7/17/2023	Aaronail	SKCS
7/19/23	035-23-0457	NH	S	2-DF	Cura - Taracting Properties	Soil impacted with unknown	7/21/23	Republic	AM
7-19-23	035-23-0093	NH	S	Roll off	Infra mark	Branches / soil / 1/4" oil	7/21/23	Republic	AM
H	hazardous			DM - metal drum		BA - CY bag, bulk bag, supersack			
NH	non-hazardous			DF - plastic drum, DOT pail		CF - CY box (cardboard)			
L	liquid			TP - totes, IBCs, portable tanks		CY - cylinder			
SL	sludge			CM - rolloff box, vac box					
S	dry/damp solid			TT - tanker, vac truck					
						IF unsure, contact Waste Disposal Coordinator			

Waste Storage Log

[illegible]

Division

Aug 2023
Newark D3S



E3 ENVIRONMENTAL

Waste Storage Log

[illegible]

Month / Year September 2023
 Division Deerpark 035



Waste Storage Log

Division	Klempark 025								
Date	Job #	H / NH	L / S	No. & Type of Container	Job Name	Waste Description	Disposal Date	Disposal Facility	E3 PM Initials
9-5-23	035-23-0501	NH	S	1-DM	E3 OMI	Hydraulic oil / sorbents	8/16/23	Aaron oil	Oscar
9-11-23	035-23-0502	H	L	7-totes	VPRR WE#0159716	deisel / water / fire foam	10-18-23	Waste Mgmt	JAMES
9-12-23	035-23-0503	NH	S	1-DF	VPRR	non haz material	9/13/23	USECOLOGY	Mario
9-18-23	037-22-085	NH	S	6-DM	Skye Durant	Sorbents + Petroleum	9/20/23	Aaron oil	Chris B
9-18-23	037-23-0504	NH	S	1-DF	LaMarque office used oil	Used oil filters	9/20/23	Aaron oil	Chris B
9-18-23	035-23-0505	NH	S	2-DM	TOTAL Safety	Floor Dry / motor oil	9/20/23	Aaron oil	R.M.
9-19-23	035-23-0506	NH	S	1-DM	BNSF	oil, acid, soil, ballast	9/20/23	Republic	JDG
9/20/23	035-23-0507	H	L	1-tote	BNSF	Red dye diesel	10/11/23	Republic	JDG
9/21/23	035-23-0508	NH	S	1-DF	BNSF	Soil / ballast	10/11/23	Republic	JDG
9-22-23	035-23-0509	NH	S	1-56 gal bucket	Hazmat 1 / VRS	Dead Fish	9-25-23	Gamma	JDG
9-22-23	035-23-0510	NH	S	1-DF	VPRR + HAZMAT	Soil Sorbents w/ oil	See Sept 10	Waste mgmt	JDG
9-25-23	035-23-0511	NH	S	1-DM	VPRR Kintpatrick	Soil Floor Dry / lube oil	9/28/23	Stream	Oscar
9-27-23	035-23-0512	H	L	1-DF	Orcaen	HF, Ind'r, liquid 3%	See Sept 10	Waste mgmt	
10-7-23	035-23-0513	NH	S	2-DF	WATCO / Green Port	Absorbent powder	10/18/23	Republic	JDG
10-15-23	035-23-0514	NH	S	1-DF Poly	PDH	Absorbent / Hydraulic oil	10/19/23	Stream	JDG
10-16-23	035-23-0515	H	S	1-Poly Drum	VPRR (Bio Waste Area)	Pro Haz / Rocks, sorbents, PPE	10/18/23	Gamma	JDG
10-19-23	035-23-0516	NH	S	1-over Pack	SAIA / Premium Env.	Overpacked Drum	See Sept 10	Sheet	
10-19-23	035-23-0517	NH	S	1-Poly Drum	SAIA / Premium Env.	Floor Dry / PPE	See Sept 10	Oct sheet	
H	hazardous			DM - metal drum		BA - CY bag, bulk bag, supersack			
NH	non-hazardous			DF - plastic drum, DOT pail		CF - CY box (cardboard)			
L	liquid			TP - totes, IBCs, portable tanks		CY - cylinder			
SL	sludge			CM - rolloff box, vac box		IF unsure, contact Waste Disposal Coordinator			
S	dry/damp solid			TT - tanker, vac truck					

Month / Year Sept/Oct. 2023
 Division 035-DEER PARK



Waste Storage Log

Date	Job #	H / NH	L / S	No. & Type of Container	Job Name	Waste Description	Disposal Date	Disposal Facility	E3 PM Initials
10-23-23	?	NH	S	1-DF	Argos Houston	Floor Dry, oily Res's-Hydraulic			
10-23-23	035-23-0619	NH	S	1-DF	Argos-US	Floor Dry, oily Res's-Hydraulic	10/25/23	Stream	SHS
10-24-23	035-23-0618	NH	S	8-DF	Garret Houston	Soil, Vegetation, Absorbents, Floor	10/29/23	Waste staged at Generator site	
9-22-23	035-23-590	NH	S	1-DF	UPRR Uged yard	Soil / Sorbents / Impacted with oil	11/3/2023	WM	SHS
9-27-23	035-23-596	H	L	1-DF	ODJFELL	PPE, Oils, Liquid, 3Y		Waste	
10-19-23	035-23-0637	NH/H	L	1-Overpack	SAIA / Premium Env.	Overpacked drum of Product Aqueous	10/24/23	Back to generator	Garrett
10-19-23	035-23-0637	NH	S	1 poly DF	SAIA / Premium Env.	Floor Dry / PPE impacted	10/24/23	Back to generator	Garrett
10-24-23	035-23-048	NH	L	VT (1500g)	Grief	Wash Water w/ Coolant	10/25/23	Dextaude	Dennis B. Spencer Drive
10-27-23	035-23-455	NH	S	4 DM	Part of Houston	Hydraulic oil Pads	10/31/23	Aaronson	Dennis B. Spencer Drive
11-1-23	035-23-0619	NH	S	4-DF	UPRR / Ugedare TR's	Absorbent Pads, 6000, PPE, trash		Stream	
11-2-23	035-23-0619	NH	L	1-5g	UPS	Dead fish in water	11/3/2023	Republic	SHS
11-16-23	035-23-0619	NH	L	1-DF	Constellation Power	Rocks Impacted	11/20/23	Aaronson	MS
11-16-23	035-23-0619	NH	L	4-DF	Constellation Power	Absorbents Impacted	11/17/23	Blipkula	MS
11-20-23	035-23-0619	H	S	1-DF	Constellation Power	Oil / LSS	11/20/23	Waste	MS
11-22-23	035-23-0619	NH	L/S	4-DF	UPRR / Bryan TX	Wash, floor, Res's			
11-25-23	035-23-0619	NH	S	8-DF	Statistic Training Services	Acc, floor, Res's	11/30/23	Aaronson	
11-26-23	035-23-0619	NH	S	DF/2	Statistic Training Services	Absorbent Pads	11/30/23	Aaronson	
H hazardous NH non-hazardous L liquid SL sludge S dry/damp solid DM - metal drum DF - plastic drum, DOT pail TP - totes, IBCs, portable tanks CM - rolloff box, vac box TT - tanker, vac truck BA - CY bag, bulk bag, supersack CF - CY box (cardboard) CY - cylinder IF unsure, contact Waste Disposal Coordinator									

Month / Year December 2023



E3 ENVIRONMENTAL

Waste Storage Log

Division

035

[illegible]

016674

H	hazardous
NH	non-hazardous
L	liquid
SL	sludge
S	dry/damp solid

DM - metal drum
DF - plastic drum, DOT pail
TP - totes, IBCs, portable tanks
CM - rolloff box, vac box
TT - tanker, vac truck

BA - CY bag, bulk bag, supersack
CF - CY box (cardboard)
CY - cylinder

IF unsure, contact Waste Disposal Coordinator

Appendix 6
E3 OMI Waste Profiles



- ☐ US Ecology Nevada(Beatty)
☐ US Ecology Idaho (GrandView)
☒ US Ecology Texas (Robstown)
☐ US Ecology Michigan (Detroit)

800-239-3943

800-274-1516

800-242-3209

800-396-3265

Ref. ID #: 9-BN95U

PROFILE #:

WASTE/MATERIAL PROFILE FORM

A. GENERATOR INFORMATION			
1. Generator: ODFJELL TERMINALS		☐ Billing Information is same. ☐ P.O required	
2. Facility Address: 12211 PORT RD SEABROOK, TX 77586		11. Customer E3 OMI, LLC	
3. Mailing Address: 12211 PORT RD		12. Billing Company: E3 OMI, LLC	
4. City/State/Zip: SEABROOK, TX, 77586		13. Billing Address: PO BOX 1300	
5. Technical Contact: PAT MENTZEL		14. City/State/Zip: CLINTON, MS, 39060	
6. Phone: (832) 359-1557		15. Billing Contact: ACCOUNTS PAYABLE	
7. Fax:		16. Phone: (504) 394-6110	
8. Generator Status: ☐ VSQG/CESQG ☐ SQG ☒ LQG ☐ N/A		17. Fax (504) 394-9677	
9. EPA ID#: TXD102684370		18. Email: admin@e3omi.com	
10. NAICS/SIC Codes: 424690		19. State ID#: 33983	
B. SHIPPING INFORMATION			
1. DOT Shipping Name: Methacrylonitrile, stabilized			
Not Otherwise Specified (Waste or Chemical):			
2. Primary / Secondary Haz Class : 6.1 / 3		3. UN/NA #: UN3079	
4. Packaging Group : I		5. RQ :	
6. Container Type: ☐ Bulk ☐ Totes ☐ Pallet ☐ Boxes ☒ Drums ☐ Other, Desc			
7. Frequency: ☐ Year ☐ Quarterly ☐ Monthly ☒ 1 Time ☐ Other, Desc			
8. Shipment: Size: 55 GALLON Quantity: 1			
9. Waste Import: ☐ Yes ☒ No (If Yes, Complete Waste Import Supplement)			
C. GENERAL MATERIAL & REGULATORY INFORMATION			
1. Common name : METHACRYLONITRILE SPILL CLEAN UP			
2. Process generating : METHACRYLONITRILE WAS SPILLED. SPILL WAS CLEANED UP AND PUT INTO 55 GALLON DRUM			
3. Describe physical appearance :		IMPACTED PPE/ABSORBENTS	
4. Odor : ☐ None ☐ Slight ☒ Strong		5. Physical State ☐ Liquid ☐ Sludge/Slurry ☒ Solid	
6. Describe Color DARK		7. Liquid Phases: ☐ Single ☐ Double Layer ☐ Multi-Layer	
8. Knowledge is from: ☐ Lab Analysis ☒ MSDS		☒ Process/Generator Knowledge	
9. Waste/Material Type (US Ecology Texas Customers Only): ☐ N/A ☒ Industrial ☐ Non-Industrial			
10. Restricted under EPA and Land disposal Restrictions (§268) ? ☒ Yes ☐ No			
11. If LDR "Yes" : ☐ Wastewater ☒ Nonwastewater ☐ Debris			
12. Alt. Standards for soil ☐ Yes ☒ No			
13. Is the material RCRA hazardous waste containing benzene and originating at a Petroleum Refinery (SIC 2911), Chemical Manufacturing Plant (SIC 2800 thru 2899) or Coke by-Product Recovery Plant(SIC 2322)? (If Yes complete Benzene Waste/Material Operations Supplement form and Thermal Supplement form): ☐ Yes ☒ No			
14. VO Conc (§264.1083): ☐ <500ppmw ☒ ≥ 500ppmw		15. Has it been treated after point of generation? ☐ Yes ☒ No	
16. CERCLA Regulated (Superfund) Waste: ☐ Yes ☒ No		17. Butadiene waste regulated by §63 Subpart xx: ☐ Yes ☒ No	
18. Waste contains UHC constituent(s) (§268.48) , above a treatment standard, other than those for which the waste exhibits a characteristic. (If yes, list all UHC's in Section D): ☐ Yes ☒ No			
19. Waste exempt from definition of "solid waste" or "hazardous waste" (if Yes, list reference 40 CFR): ☐ Yes ☒ No			
20. State Waste Codes: 0017407H			
21. RCRA Waste Codes: D001 U152			
22. Source code: G32		23. Form Code: W409	

D. COMPOSITION (use additional form if necessary)					
Values are: ☐ TCLP ☒ Totals			Range Total >=100%		
Constituents	Test Method	Units	Typical	Min	Max
METHACRYLONITRILE (126-98-7)	Totals	%		1.00	3.00
ABSORBENT PADS		%		40.00	50.00
PPE ()	Totals	%	0.00	20.00	30.00
RUBBER HOSE		%	0.00	10.00	20.00

E. CHARACTERISTICS					
1. Oxidizer	☐ Yes	☒ No	9. Reactive Sulfides	ppm	☐ Yes ☒ No
2. Explosive	☐ Yes	☒ No	10. Reactive Cyanides	ppm	☐ Yes ☒ No
3. Organic Peroxide	☐ Yes	☒ No	11. Water/Air Reactive		☐ Yes ☒ No
4. Shock Sensitive	☐ Yes	☒ No	12. Thermally Unstable		☐ Yes ☒ No
5. Tires	☐ Yes	☒ No	13. TSCA regulated PCB waste (Control sheet required with shipment)		☐ Yes ☒ No
6. Pyrophoric	☐ Yes	☒ No	14. Medical/Infectious waste		☐ Yes ☒ No
7. Compressed Gas	☐ Yes	☒ No	15. Radioactive (If yes, complete profile Supplement for Radioactive waste)		☐ Yes ☒ No
8. Halogenated Organics	☐ Yes	☒ No			
16. Hazardous Secondary Material (HSM) ?					☐ Yes ☒ no
17. Possibility of incidental liquids from transportation ?					☐ Yes ☒ No
18. Is waste/material a solid using the paint filter test ?					☒ Yes ☐ No
19. pH: (If solid, what is pH if mixed with water?)			Range ☐ ≤ 2	To ☒ 2 < 12.5	Typical ☐ ≥ 12.5
20. Flash Point : =55.4 °F			☒ <140°F		
21. Is the waste/material oil bearing from Petroleum Refining, Production or Transportation practices?				☒ N/A	☐ Yes ☐ No

F. GENERATOR'S CERTIFICATION	
☐ Yes ☒ No	I certify this waste/material may be disposed without further treatment.
☐ Yes ☒ N/A	I certify this waste/material meets all requirements of legitimate recycling of Hazardous Secondary Materials under 40 CFR 260.43 and/or I am complying with the conditions for generators using the verified recycler exclusion.
I authorize US Ecology to correct inconsistencies on the waste/material profile form that impact management decisions with my oral or written authorization. US Ecology will require re-submittal of the waste/material profile information if substantial changes are determined necessary. I understand waste/material that does not conform to specifications described in this profile may be rejected by US Ecology unless other contractual arrangements have been agreed to by both parties. I certify, under penalty of law, that I am familiar with this waste/material stream through analysis and/or process knowledge, and that all information provided is true, accurate, representative and complete, that all known or suspected hazards have been disclosed, and that this form was completed in accordance with the instructions provided.	
Print Name	Signature
Anthony McMullins	
Title	Date
Waste Coordinator	10/09/2023



TRADEBE ENVIRONMENTAL SERVICES, LLC

SAP Profile #: 1000453111

Profile #: 1000453111

Status: Approved

GENERATOR WASTE STREAM PROFILE SHEET

Process Code: LPO

A. GENERATOR INFORMATION**SITE ADDRESS****CUSTOMER INFORMATION**

Generator #: 9100187007
Generator Name: Odfjell Terminals
Generator Address: 12211 PORT RD
City: Seabrook State: TX Zip: 77586
Contact Name: Pat Mentzel
Generator Phone: 832-359-1557
Generator Fax:
Generator Email: Pat.Mentzel@odfjell.com
Generator USEPA / Federal ID #: TXD102684370
Generator State ID # (If applicable):
Generator NAICS Code:

Customer #: 1140006033
Customer Name: E3 OMI, LLC
Customer Address: 1004 Industrial Park Drive
City: Clinton State: MS Zip: 39056
Contact Name: EJ Schultz
Customer Phone: 713-705-5391
Customer Fax:
Customer Email: siokhong@e3omi.com
Customer Experience Rep: Rusty Maas
Account Rep: Justin Blanchard

Mailing Address if different than Site Address

Mailing #: _____

Name: _____ Address: _____

City: _____ State: _____ Zip: _____

Please check if generator has "No Canada Disposal" Policy: _____ Yes

Please check if generator has "No Landfill" Policy: _____ Yes

Please list other disposal restrictions: _____

Facility restrictions (if Any): _____

B. WASTE STREAM INFORMATION

Generator's Waste Name: Methacrylonitrile Spill Clean up

TX State Code (If applicable): 0017407H

Describe Process Generating Waste (Flowcharts, if applicable):

Methacrylonitrile spilled and was cleaned up into 55 gallon drum

Is this waste exempt from RCRA regulation? _____ Yes

Is this waste from a CERCLA cleanup site? _____ Yes

Waste determination was made by: _____ Testing ☒ Generator Knowledge ☒ SDS/MSDS _____ Sample _____ Other

(Attach analytical, SDS/MSDS or other supporting documentation used for waste determination)

Form Code: W409

Source Code: G32

Does the Waste have any other potential hazards? ☒ Yes (If yes, list all that apply) _____ No

INHALATION HAZARD

C. GENERAL CHARACTERISTICS

Color: COLORLESS	Physical State @70F	Phases	BTU/lb	pH	Liquid Flashpoint
Odor: Strong	Solid	Single layer	5000-10000	NA	<73F

*Describe Strong Odor: per SDS irritating

Boiling Point: 0 Specific Gravity: 0.00 Total Halogens: 0 % Total Organic Carbon(TOC): 0.00 % VOC: % Viscosity: 0.00 cP

CHEMICAL COMPOSITION

PROFILE# 1000453111

Status: Approved

Please Note, no "Trade Names" "Proprietary Ingredients" "Formulas" or "Name Reagents" are acceptable. All TRI chemicals must be included.

Chemical Name	Min	Max	Units	Ozone Depleting	EPCRA 313	Chemical of Interest (DHS)	UHC's above Treatment Standards
Absorbant Pads	40	50	%				
Methacrylonitrile	1	3	%		X	X	X
PPE	20	30	%				
Rubber Hose	10	20	%				

Does the Waste contain any of the following?

Nitrocellulose	☐ Yes ☒ No	Metal Powder or Flake	☐ Yes ☒ No	Sharps:	☐ Yes ☒ No
Isocyanates	☐ Yes ☒ No	Asbestos	☐ Yes ☒ No		
Metal pieces	☐ Yes ☒ No				
Reactive cyanide	☐ Yes ☒ No				
Reactive sulfide	☐ Yes ☒ No				
Hydrofluoric acid	☐ Yes ☒ No				
Nitric acid	☐ Yes ☒ No				
PCBs	☐ Yes ☒ No				

Does this waste contain Benzene subject to Subpart FF Regulations? ☐ Yes ☒ No

E. OTHER WASTE STREAM INFORMATION

Is this waste a USED OIL per 40CFR PART 279? ☐ Yes ☒ No

Is the Waste subject to RCRA 40 CFR 264 & 265 SUBPART CC Subpart CC controls (Are volatile Organic Compounds > 500 PPM)? ☐ Yes

Does this Waste contain any Hazardous Air Pollutants?(If so, please list in Section D, Chemical Composition) ☐ Yes

Does the Waste contain any Class I or Class II ozone-depleting substances? ☐ Yes

Does Waste contain EPCRA 313 chemicals identified in 40 CFR 372.65? ☒ Yes

Does this waste contain any Chemicals of interest listed in 6 CFR Part 27 Appendix A (Department of Homeland Security)? ☒ Yes

Does your waste contain any of the 172 per- and polyfluoroalkyl substances (PFAS)? ☐ Yes

Click on link for FR list of 172 PFAS substances, <https://www.govinfo.gov/content/pkg/FR-2020-06-22/pdf/2020-10990.pdf>

F. RCRA CHARACTERIZATION

Is this a USEPA "Hazardous Waste" per 40CFR 261.3? ☒ Yes ☐ No

Is this a "Universal Waste" per 40CFR part 273? ☐ Yes ☒ No

Does treatment of this Waste generate a F006 or F019 sludge? ☐ Yes ☒ No

Please list any characteristic codes (D001 - D043): D001

Does the Waste contain UHCs above treatment standards levels? (40 CFR 268.48, 268.7) ☐ Yes ☒ No

Please list any applicable 'F' code:

Please list any applicable 'K' code:

Please list any applicable 'U' code: U152

Please list any applicable 'P' code:

Please list any state regulated codes:

G. SHIPPING VOLUME & FREQUENCY

Container Size
55 GALLON CONTAINER
Container Type
PLASTIC

Is waste a combination package (e.g. Drum with inner containers or skid with cases of consumer products) ☐ Yes ☒ No

Shipping Frequency: Number of Units: 1 Per ☐ Month ☐ Quarter ☐ Year ☒ One time

Shipping Frequency: Number of Units: 1 Per Month Quarter Year X One time

H. DOT SHIPPING INFORMATION

Is this a U.S. Department of Transportation (USDOT) Hazardous Material? X Yes ___ No

Shipping Name per 49 CFR 172.101 Hazardous Materials Table:

UN3079 WASTE METHACRYLONITRILE, STABILIZED (POISON INHALATION HAZARD) 6.1 (3) I

Primary Hazard Class or Division: 6.1

UN/NA#: UN3079Packing Group: X I II IIISecondary Hazard Class or Division: 3

ERG#: 131P

Technical Descriptors, if required: POISON INHALATION HAZARD

RQ, if required:

DOT Special Permit that may apply (include copy of permit): _____ Inhalation Hazard: Zone _____

I. GENERATOR CERTIFICATION

GENERATOR CERTIFICATION

My authorized signature certifies the information contained in the Profile and the attached is complete and accurate, so there are no omissions of characteristics, composition or properties existing and all known or suspected hazards have been disclosed and that all shipments/samples referencing the profile number assigned to the waste stream described herein shall in all respects be consistent with the description. I further certify that I will notify Tradebe by email/letter of any characterization, chemical/process changes to the waste stream contained in the Profile prior to shipping. If signature is not by the Generator it is by the Generator's authorized agent.

Name(Print): Anthony McMullins

Title: _____

Signature:

Anthony McMullins

Date: Oct 3, 2023

INTERNAL USE ONLY: Please indicate which Tradebe Facility(s) are being utilized for this profile

East Chicago, IN

Millington, TN

SAFETY DATA SHEET

METHACRYLONITRILE

Version	Revision Date:	US / Z8	Date of last issue: 10/17/2022
1.1	10/18/2022		Date of first issue: 10/17/2022

SECTION 1. IDENTIFICATION

Product name : METHACRYLONITRILE

Manufacturer or supplier's details

Company name of supplier : Nouryon Pulp and Performance
Chemicals LLC

Address : 100 Matsonford Road, Building 1, Suite 500
Radnor PA 19087
US

Telephone : (770) 578-0858

Telefax : (770) 578-1359

E-mail address : psra.ppc@nouryon.com

Emergency telephone : US CHEMTREC +1-800-424-9300 Internat'l +1-703-741-5971
(collect calls accepted) CANADA CANUTEC +1-613-996-6666

Recommended use of the chemical and restrictions on use

Recommended use : Industrial use

SECTION 2. HAZARDS IDENTIFICATION

GHS classification in accordance with the OSHA Hazard Communication Standard (29 CFR 1910.1200)

Flammable liquids : Category 2

Acute toxicity (Oral) : Category 3

Acute toxicity (Inhalation) : Category 2

Acute toxicity (Dermal) : Category 3

Eye irritation : Category 2B

Specific target organ toxicity : Category 1 (Central nervous system)
- single exposure

Specific target organ toxicity : Category 1 (Central nervous system)
- repeated exposure

Specific target organ toxicity : Category 2 (Blood, nasal cavity, Liver)
- repeated exposure

Short-term (acute) aquatic : Category 3

APPROVED

By Ryan Trainer at 9:36 am, Dec 15, 2022

REAL: 1149

VAPOR BALANCE REQUIRED

NO FLARING OF TRANSFERS ALLOWED

INERT TO BETWEEN 5% AND 7.2% O2

DO NOT GO BELOW 5% O2

SAFETY DATA SHEET

METHACRYLONITRILE

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1.1

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hazard

GHS label elements

Hazard
pictograms



Signal Word

: Danger

Hazard Statements

: H225 Highly flammable liquid and vapor.
H301 + H311 Toxic if swallowed or in contact with skin.
H320 Causes eye irritation.
H330 Fatal if inhaled.
H370 Causes damage to organs (Central nervous system).
H372 Causes damage to organs (Central nervous system) through prolonged or repeated exposure.
H373 May cause damage to organs (Blood, nasal cavity, Liver) through prolonged or repeated exposure.
H402 Harmful to aquatic life.

Precautionary Statements

Prevention:

P210 Keep away from heat/ sparks/ open flames/ hot surfaces. No smoking.
P233 Keep container tightly closed.
P240 Ground/bond container and receiving equipment.
P241 Use explosion-proof electrical/ ventilating/ lighting/ equipment.
P242 Use only non-sparking tools.
P243 Take precautionary measures against static discharge.
P260 Do not breathe mist, vapors or spray.
P264 Wash skin thoroughly after handling.
P270 Do not eat, drink or smoke when using this product.
P271 Use only outdoors or in a well-ventilated area.
P273 Avoid release to the environment.
P280 Wear protective gloves/ eye protection/ face protection.
P284 Wear respiratory protection.

Response:

P301 + P310 + P330 IF SWALLOWED: Immediately call a POISON CENTER/ doctor. Rinse mouth.
P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/ shower.
P304 + P340 + P310 IF INHALED: Remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTER/ doctor.
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy

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to do. Continue rinsing.

P307 + P311 IF exposed: Call a POISON CENTER or doctor/physician.

P337 + P313 If eye irritation persists: Get medical advice/attention.

P362 Take off contaminated clothing and wash before reuse.

P370 + P378 In case of fire: Use vermiculite, dry chemical powder or dry sand for extinction.

Storage:

P403 + P233 Store in a well-ventilated place. Keep container tightly closed.

P403 + P235 Store in a well-ventilated place. Keep cool.

P405 Store locked up.

Disposal:

P501 Dispose of contents/ container to an approved waste disposal plant.

Other hazards

None known.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Substance
Substance name : METHACRYLONITRILE
CAS-No. : 126-98-7

Components

Chemical name	CAS-No.	Concentration (% w/w)
Methacrylonitrile	126-98-7	>= 90 - <= 100

Actual concentration is withheld as a trade secret

SECTION 4. FIRST AID MEASURES

General advice : Immediate medical attention is required.
Move out of dangerous area.
Show this material safety data sheet to the doctor in attendance.
Symptoms of poisoning may appear several hours later.

If inhaled : If breathed in, move person into fresh air.
Call a physician or poison control center immediately.
Remove to fresh air.
Keep patient warm and at rest.
If unconscious, place in recovery position and seek medical

SAFETY DATA SHEET

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- advice.
Keep respiratory tract clear.
- In case of skin contact : Take off contaminated clothing and shoes immediately.
Take victim immediately to hospital.
- In case of eye contact : Rinse with plenty of water.
Remove contact lenses.
Protect unharmed eye.
Keep eye wide open while rinsing.
Obtain medical attention.
- If swallowed : Clean mouth with water and drink afterwards plenty of water.
Do NOT induce vomiting.
Never give anything by mouth to an unconscious person.
Take victim immediately to hospital.
- Most important symptoms and effects, both acute and delayed : Toxic if swallowed or in contact with skin.
Causes eye irritation.
Fatal if inhaled.
Causes damage to organs.
Causes damage to organs through prolonged or repeated exposure.

SECTION 5. FIRE-FIGHTING MEASURES

- Suitable extinguishing media : Alcohol-resistant foam
Carbon dioxide (CO2)
Dry chemical
- Specific hazards during fire fighting : Water spray may be ineffective unless used by experienced firefighters.
Do not allow run-off from fire fighting to enter drains or water courses.
- Hazardous combustion products : No hazardous combustion products are known
- Further information : Use water spray to cool unopened containers.
Collect contaminated fire extinguishing water separately. This must not be discharged into drains.
Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.
For safety reasons in case of fire, cans should be stored separately in closed containments.
- Special protective equipment for fire-fighters : In the event of fire, wear self-contained breathing apparatus.

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METHACRYLONITRILE

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SECTION 6. ACCIDENTAL RELEASE MEASURES

- | | | |
|---|---|--|
| Personal precautions, protective equipment and emergency procedures | : | Use personal protective equipment.
Wear respirator / protection.
Ensure adequate ventilation.
Remove all sources of ignition.
Beware of vapors accumulating to form explosive concentrations. Vapors can accumulate in low areas.
Evacuate personnel to safe areas.
Only qualified personnel equipped with suitable protective equipment may intervene.
Prevent unauthorized persons entering the zone. |
| Environmental precautions | : | Prevent product from entering drains.
Discharge into the environment must be avoided. |
| Methods and materials for containment and cleaning up | : | Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13). |

SECTION 7. HANDLING AND STORAGE

- | | | |
|---|---|---|
| Advice on protection against fire and explosion | : | Avoid formation of aerosol.
Keep away from sources of ignition - No smoking.
No sparking tools should be used.
Take measures to prevent the build up of electrostatic charge. |
| Advice on safe handling | : | For personal protection see section 8.
Avoid formation of aerosol.
Do not breathe vapors or spray mist.
Avoid contact with skin, eyes and clothing.
Smoking, eating and drinking should be prohibited in the application area.
Take precautionary measures against static discharges.
Provide sufficient air exchange and/or exhaust in work rooms.
Container may be opened only under exhaust ventilation hood.
Open drum carefully as content may be under pressure.
Dispose of rinse water in accordance with local and national regulations. |
| Conditions for safe storage | : | Prevent unauthorized access.
No smoking.
Store in cool place.
Keep in a well-ventilated place.
Electrical installations / working materials must comply with the technological safety standards. |

SAFETY DATA SHEET

METHACRYLONITRILE

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Further information on storage stability : No decomposition if stored and applied as directed.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Ingredients with workplace control parameters

Components	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
Methacrylonitrile	126-98-7	TWA	1 ppm	ACGIH
		TWA	1 ppm 3 mg/m3	NIOSH REL
		TWA	1 ppm 3 mg/m3	OSHA P0

Engineering measures : Effective exhaust ventilation system
Ensure that eyewash stations and safety showers are close to the workstation location.

Personal protective equipment

Respiratory protection : In the case of vapor or aerosol formation use a respirator with an approved filter.
Wear full face mask supplied with:
Combination filter: ABEKP.

Hand protection

Material : PVC

Material : Rubber gloves

Eye protection : Tightly fitting safety goggles

Skin and body protection : Protective suit

Hygiene measures : Avoid contact with skin, eyes and clothing.
When using do not eat or drink.
When using do not smoke.
Wash hands before breaks and immediately after handling the product.
Wash contaminated clothing before re-use.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance : liquid

SAFETY DATA SHEET

METHACRYLONITRILE

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Color	:	colorless
Odor	:	irritating
Odor Threshold	:	3.0 ppm
pH	:	No data available
Melting point/freezing point	:	-32.4 °F / -35.8 °C
Initial boiling point and boiling range*	:	194.5 °F / 90.3 °C
Flash point	:	34.0 °F / 1.1 °C
	:	Method: closed cup
Evaporation rate	:	No data available
Flammability (solid, gas)	:	Not applicable
Flammability (liquids)	:	No data available
Upper explosion limit / Upper flammability limit	:	6.8 %(V)
Lower explosion limit / Lower flammability limit	:	2 %(V)
Vapor pressure	:	94.7 hPa (77 °F / 25 °C)
Relative vapor density	:	2.31 (Air = 1.0)
Relative density	:	0.800
Solubility(ies)	:	
Water solubility	:	0.00254 g/l
Solubility in other solvents	:	Solvent: organic solvent
Partition coefficient: n-octanol/water	:	log Pow: 0.68
Autoignition temperature	:	820 °F / 438 °C
Decomposition temperature	:	No data available

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Temperature of polymerization (SAPT)	:	117 °F / 47 °C
Viscosity		
Viscosity, kinematic	:	0.34 mm ² /s
Explosive properties	:	No data available
Oxidizing properties	:	No data available

SECTION 10. STABILITY AND REACTIVITY

Reactivity	:	Stable under normal conditions.
Chemical stability	:	Stable under recommended storage conditions.
Possibility of hazardous reactions	:	No dangerous reaction known under conditions of normal use.
Conditions to avoid	:	Heat, flames and sparks.
Incompatible materials	:	None known.
Hazardous decomposition products	:	No hazardous decomposition products are known.
Thermal decomposition	:	No data available

SECTION 11. TOXICOLOGICAL INFORMATION

Acute toxicity

Toxic if swallowed or in contact with skin.
 Fatal if inhaled.

Product:

Acute oral toxicity	:	LD50 (Rat): 58.3 mg/kg Remarks: Information taken from reference works and the literature.
Acute inhalation toxicity	:	LC50 (Rat): 0.899 mg/l Exposure time: 4 h Test atmosphere: vapor Remarks: Information taken from reference works and the literature.
Acute dermal toxicity	:	LD50 (Rabbit): 250 mg/kg Remarks: Information taken from reference works and the literature.

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Components:

Methacrylonitrile:

Acute oral toxicity : LD50 (Rat): 68.5 mg/kg
Method: OECD Test Guideline 401

Acute inhalation toxicity : LC50 (Rat): 412 ppm
Exposure time: 4 h
Test atmosphere: gas

Acute dermal toxicity : LD50 (Rat): 200.1 - 1,000 mg/kg

Skin corrosion/irritation

Not classified based on available information.

Serious eye damage/eye irritation

Causes eye irritation.

Components:

Methacrylonitrile:

Result : Mild eye irritation

Respiratory or skin sensitization

Skin sensitization

Not classified based on available information.

Respiratory sensitization

Not classified based on available information.

Germ cell mutagenicity

Not classified based on available information.

Carcinogenicity

Not classified based on available information.

IARC No ingredient of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

OSHA No component of this product present at levels greater than or equal to 0.1% is on OSHA's list of regulated carcinogens.

NTP No ingredient of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

Reproductive toxicity

Not classified based on available information.

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STOT-single exposure

Causes damage to organs (Central nervous system).

Product:

Target Organs	:	Central nervous system
Assessment	:	Causes damage to organs.

Components:

Methacrylonitrile:

Target Organs	:	Central nervous system
Assessment	:	Causes damage to organs.

STOT-repeated exposure

Causes damage to organs (Central nervous system) through prolonged or repeated exposure.
May cause damage to organs (Blood, nasal cavity, Liver) through prolonged or repeated exposure.

Product:

Target Organs	:	Central nervous system
Assessment	:	Causes damage to organs through prolonged or repeated exposure.

Target Organs	:	Blood, nasal cavity, Liver
Assessment	:	May cause damage to organs through prolonged or repeated exposure.

Components:

Methacrylonitrile:

Target Organs	:	Blood, nasal cavity, Liver
Assessment	:	May cause damage to organs through prolonged or repeated exposure.

Target Organs	:	Central nervous system
Assessment	:	Causes damage to organs through prolonged or repeated exposure.

Aspiration toxicity

Not classified based on available information.

Further information

Product:

Remarks	:	Solvents may degrease the skin.
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SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity

Product:

- Toxicity to fish : LC50 (Fish): > 100 mg/l
Exposure time: 96 h
Remarks: Information taken from reference works and the literature.
- Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): 250 mg/l
Exposure time: 48 h
Remarks: Information taken from reference works and the literature.
- Toxicity to algae/aquatic plants : ErC50 (algae): 25.4 mg/l
Exposure time: 72 h
Remarks: Information taken from reference works and the literature.

Components:

Methacrylonitrile:

- Toxicity to fish : LC50 (Danio rerio (zebra fish)): 354 mg/l
Exposure time: 96 h
Method: OECD Test Guideline 203
- Toxicity to algae/aquatic plants : ErC50 (algae): 25.4 mg/l
Exposure time: 72 h
Remarks: Information taken from reference works and the literature.

Persistence and degradability

Product:

- Biodegradability : Remarks: Readily biodegradable.

Components:

Methacrylonitrile:

- Biodegradability : Result: Readily biodegradable.

Bioaccumulative potential

No data available

Mobility in soil

No data available

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Other adverse effects

Product:

Ozone-Depletion Potential : Regulation: 40 CFR Protection of Environment; Part 82
Protection of Stratospheric Ozone - CAA Section 602 Class I
Substances
Remarks: This product neither contains, nor was
manufactured with a Class I or Class II ODS as defined by the
U.S. Clean Air Act Section 602 (40 CFR 82, Subpt. A, App.A +
B).

Additional ecological information : An environmental hazard cannot be excluded in the event of
unprofessional handling or disposal.

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal methods

Waste from residues : The product should not be allowed to enter drains, water
courses or the soil.
Do not contaminate ponds, waterways or ditches with
chemical or used container.
Dispose of contents/container in accordance with local
regulation.

Contaminated packaging : Empty remaining contents.
Dispose of as unused product.
Do not burn, or use a cutting torch on, the empty drum.

SECTION 14. TRANSPORT INFORMATION

International Regulations

UNRTDG

UN number	: UN 3079
Proper shipping name	: METHACRYLONITRILE, STABILIZED
Class	: 6.1
Subsidiary risk	: 3
Packing group	: I
Labels	: 6.1 (3)

IATA-DGR

Not permitted for transport

IMDG-Code

UN number	: UN 3079
Proper shipping name	: METHACRYLONITRILE, STABILIZED
Class	: 6.1

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Subsidiary risk : 3
Packing group : I
Labels : 6.1 (3)
EmS Code : F-E, S-D
Marine pollutant : no

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Ship type : 2, Tank type : 2G
Pollution category : Y

Domestic regulation

49 CFR

UN/ID/NA number : UN 3079
Proper shipping name : Methacrylonitrile, stabilized

Class : 6.1
Subsidiary risk : 3
Packing group : I
Labels : POISON INHALATION HAZARD; FLAMMABLE LIQUID
ERG Code : 131P
Marine pollutant : no
Reportable Quantity : This product contains the following substance(s) which are environmentally hazardous per 49 CFR 172.101, Appendix A: (Methacrylonitrile)

Remarks : Hazard Zone B

Special precautions for user

The transport classification(s) provided herein are for informational purposes only. Transportation classifications may vary by mode of transportation, package sizes, and variations in regional or country regulations.

SECTION 15. REGULATORY INFORMATION

CERCLA Reportable Quantity

Components	CAS-No.	Component RQ (lbs)	Calculated product RQ (lbs)
Methacrylonitrile	126-98-7	1000	1000

SARA 304 Extremely Hazardous Substances Reportable Quantity

Components	CAS-No.	Component RQ (lbs)	Calculated product RQ (lbs)
Methacrylonitrile	126-98-7	1000	1000

SARA 302 Extremely Hazardous Substances Threshold Planning Quantity

Components	CAS-No.	Component TPQ (lbs)
Methacrylonitrile	126-98-7	500

SARA 311/312 Hazards : Flammable (gases, aerosols, liquids, or solids)
Acute toxicity (any route of exposure)

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Specific target organ toxicity (single or repeated exposure)
Serious eye damage or eye irritation

SARA 313

: The following components are subject to reporting levels established by SARA Title III, Section 313:

Methacrylonitrile	126-98-7	>= 90 - <= 100 %
-------------------	----------	------------------

Clean Air Act

This product neither contains, nor was manufactured with a Class I or Class II ODS as defined by the U.S. Clean Air Act Section 602 (40 CFR 82, Subpt. A, App.A + B).

This product does not contain any hazardous air pollutants (HAP), as defined by the U.S. Clean Air Act Section 112 (40 CFR 61).

The following chemical(s) are listed under the U.S. Clean Air Act Section 112(r) for Accidental Release Prevention (40 CFR 68.130, Subpart F):

Methacrylonitrile	126-98-7	>= 90 - <= 100 %
-------------------	----------	------------------

This product does not contain any chemicals listed under the U.S. Clean Air Act Section 111 SOCM Intermediate or Final VOC's (40 CFR 60.489).

Clean Water Act

This product does not contain any Hazardous Substances listed under the U.S. CleanWater Act, Section 311, Table 116.4A.

This product does not contain any Hazardous Chemicals listed under the U.S. CleanWater Act, Section 311, Table 117.3.

This product does not contain any toxic pollutants listed under the U.S. Clean Water Act Section 307

This product does not contain any priority pollutants related to the U.S. Clean Water Act

California Prop. 65

This product does not contain any chemicals known to the State of California to cause cancer, birth, or any other reproductive defects.

The ingredients of this product are reported in the following inventories:

TCSI	: On the inventory, or in compliance with the inventory
TSCA	: All substances listed as active on the TSCA inventory
AIIC	: On the inventory, or in compliance with the inventory
DSL	: None of the components of this product are on the Canadian DSL, but all are on the NDSL
	Methacrylonitrile
ENCS	: On the inventory, or in compliance with the inventory
ISHL	: On the inventory, or in compliance with the inventory
KECI	: On the inventory, or in compliance with the inventory

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PICCS : On the inventory, or in compliance with the inventory
IECSC : On the inventory, or in compliance with the inventory
NZIoC : On the inventory, or in compliance with the inventory
TECI : On the inventory, or in compliance with the inventory

TSCA list

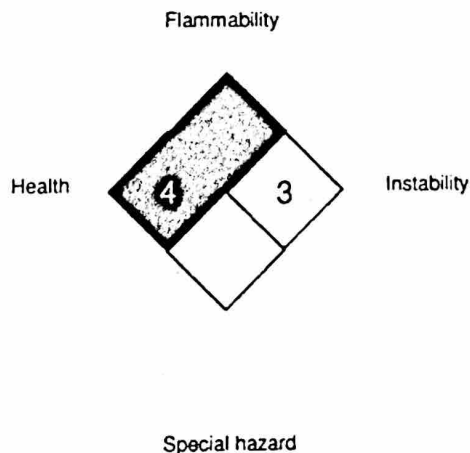
No substances are subject to a Significant New Use Rule.

No substances are subject to TSCA 12(b) export notification requirements.

SECTION 16. OTHER INFORMATION

Further information

NFPA 704:



HMIS® IV:

HEALTH	/	4
FLAMMABILITY		3
		3

HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. The "/" represents a chronic hazard, while the "-" represents the absence of a chronic hazard.

Full text of other abbreviations

ACGIH : USA. ACGIH Threshold Limit Values (TLV)
NIOSH REL : USA. NIOSH Recommended Exposure Limits
OSHA P0 : USA. Table Z-1-A Limits for Air Contaminants (1989 vacated values)
ACGIH / TWA : 8-hour, time-weighted average
NIOSH REL / TWA : Time-weighted average concentration for up to a 10-hour workday during a 40-hour workweek
OSHA P0 / TWA : 8-hour time weighted average

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AIIC - Australian Inventory of Industrial Chemicals; ASTM - American Society for the Testing of Materials; bw - Body weight; CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DOT - Department of Transportation; DSL - Domestic Substances List (Canada); ECx - Concentration associated with x% response; EHS - Extremely Hazardous Substance; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; ERG - Emergency Response Guide; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; HMIS - Hazardous Materials Identification System; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; MSHA - Mine Safety and Health Administration; n.o.s. - Not Otherwise Specified; NFPA - National Fire Protection Association; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NTP - National Toxicology Program; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; RCRA - Resource Conservation and Recovery Act; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RQ - Reportable Quantity; SADT - Self-Accelerating Decomposition Temperature; SARA - Superfund Amendments and Reauthorization Act; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TECI - Thailand Existing Chemicals Inventory; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative

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Revision Date : 10/18/2022

This material safety datasheet only contains information relating to safety and does not replace any product information or product specification.

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

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US / Z8

Appendix 7
E3 OMI Field Notes 035-23-0596



of

Prepared By	DENNIS BOGGESS	Customer Rep.	JORGE PREZ
Site Supervisor		Title	
		Date	9/27/2023

Appendix 8
E3 OMI Timeline of Events for AOC

EPA Audit (12/5) Tues. Requested Field Notes on Job 035-23-0596 Odjfell (Haz Drum)

Siok Hong <SiokHong@e3omi.com>

Fri 12/8/2023 5:20 PM

To: gardner.dedriel@epa.gov <gardner.dedriel@epa.gov>; Vince Damiano <Vince.Damiano@erg.com>; George Wieber <george.wieber@erg.com>

Cc: Anthony McMullins <amcmullins@e3omi.com>; Marty Bienvenu <MBIENVENU@e3omi.com>; Tony Stamper <tstamper@e3omi.com>; Christelle Laraque <claraque@e3omi.com>; Nick Perez <nperez@e3omi.com>; Jonathan Bethea <jbethea@e3response.com>

📎 2 attachments (217 KB)

Field Notes 035-23-0596.pdf; Field Notes 035-23-0596.pdf;

CAUTION: Don't open links or attachments unless you recognize the sender and know they are safe.

Dedriel Gardner:

Good afternoon, please see attached field notes and the chain-of-events on the waste drum in question; and let us know if you have any questions.

9/27/2023	Customer Called for us to response to spill Clean-up job completed (see attached field notes) Customer request E3OMI remove the drum of solid matrix containing sorbent pads, hoses, PPE impacted by chemical
9/27/23	Generator gave us an incomplete SDS, it took 2 or 3 days to get complete SDS E3OMI reached out to get Third Party Authorization to submit waste profile on their behalf
10/1/23	Profile was submitted to Tradebe
10/3/23	Profile is approved, but Sales Manager reaches out to us to let us know this process code cannot be handled by Tradebe, they will need to broker it out (likely to Veolia). He recommends we try a different facility Attempt to profile into Clean Earth; Clean Earth will not accept the waste
10/9/23	Profile submitted to US Ecology 10/9 We wanted to try Veolia, but we were waiting on account to be set up
10/11/23	waste is "Accepted for further Review" It would stay in this status to this day Many follow ups with Aaron Perez (Account manager for US ecology) would be made by disposal team through both phone calls and emails Reached out multiple times through emails and phone calls to Aaron Perez with USE at least twice a week. Began considering other outlets such as Clean Harbors
12/4/23	Emailed sales manager with Tradebe asking how long it would take them to get it out if we let them broker it.
12/5/23	Generator created in Clean Harbor system Steve chambers connects me with Brian Dumond with Clean Harbors. He will assist with profile and get rush approval
12/6/23	Profile submitted to Clean Harbor
12/7/23	Profile rushed & approved
12/8/23	Transportation requested and earliest pickup is 12/12

Siok Hong Chen-Sabot | Waste Disposal

c. 337.373.7871 | o. 281.839.2342 | 24hr ER.800.645.6671

1717 West 13th Street Deer Park, TX 77536



Appendix 9
ACCP Dickinson Compliance Agreement

Pack Mule

According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a valid OMB control number. The valid OMB control numbers for this information collection are 0579-0015, 0048, 0054, 0088, 0124, 0155, 0187, 0310, 0317, 0322, 0337, 0346, 0363, 0383, and 0450. The time required to complete this information collection is estimated to average .50 to 1.25 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.

OMB APPROVED
0579-0015, 0048, 0054, 0088,
0124, 0155, 0187, 0310, 0317,
0322, 0337, 0346, 0363, 0383,
and 0450

UNITED STATES DEPARTMENT OF AGRICULTURE
ANIMAL AND PLANT HEALTH INSPECTION SERVICE
PLANT PROTECTION AND QUARANTINE

COMPLIANCE AGREEMENT

1. NAME AND MAILING ADDRESS OF PERSON OR FIRM

DAVID ARMSTRONG
ACCP INC.
2728 APPELT DR.
HOUSTON, TX. 77015

2. LOCATION

ACCP INC.
LAUNCH BOAT SERVICES
903 AVENUE S
DICKINSON, TX. 77539

(281) 499-8164
DACCP2@AOL.COM

3. REGULATED ARTICLE(S)

APHIS REGULATED GARBAGE

4. APPLICABLE FEDERAL QUARANTINE(S) OR REGULATIONS

APHIS REGULATED GARBAGE:
7 CFR 330.400-330.403
9 CFR 94.5
PLANT PROTECTION ACT
ANIMAL HEALTH PROTECTION ACT

5. I/WE AGREE TO THE FOLLOWING:

THIS COMPLIANCE AGREEMENT SUPERSEDES ALL PREVIOUS COMPLIANCE AGREEMENTS.

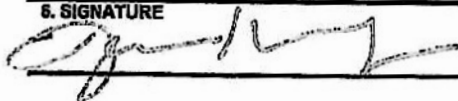
SEE ADDENDA TO PPQ FORM 519:

CARTAGE FIRMS/ESTABLISHMENTS UNIFORM STANDARDS FOR COMPLIANCE AGREEMENTS.
APHIS REGULATED GARBAGE TRAINING RECORD.
APHIS REGULATED GARBAGE COLLECTION LOG.
APHIS REGULATED GARBAGE SPILL LOG.
APHIS AUTHORIZED DISINFECTANTS FOR USE WHEN HANDLING APHIS REGULATED GARBAGE.
GUIDELINES FOR REGULATED GARBAGE RECORD KEEPING.
STANDARD OPERATING PROCEDURE.
LIST OF CARTAGE FIRMS AUTHORIZED TO TRANSPORT REGULATED GARBAGE.

CONTACT INFORMATION:

HOUSTON 713-454-8001
LAPORTE 281-842-0300

6. SIGNATURE



7. TITLE

Dispatch

8. DATE SIGNED

05/18/2022

9. AGREEMENT NUMBER

TX-HOU-01-13-16

10. DATE OF AGREEMENT

05/18/2022

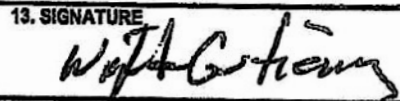
11. PPQ/CBP OFFICIAL (NAME AND TITLE)

WILFRED GUTIERREZ CBP AGRICULTURE SUPERVISOR

12. ADDRESS

CUSTOMS AND BORDER PROTECTION
7141 OFFICE CITY DRIVE
HOUSTON, TX. 77087

13. SIGNATURE



14. U.S. GOVERNMENT/STATE AGENCY OFFICIAL (NAME AND TITLE)

15. ADDRESS

CUSTOMS AND BORDER PROTECTION
7141 OFFICE CITY DRIVE
HOUSTON, TX. 77087

16. SIGNATURE

COMMENT SECTION

Noncompliance/deficiencies/enforcement actions (violations)/other notables:

Time allowed to correct deficiencies not immediately resolved:

Deficiencies resolved at the time of inspection:

CHRIS L. BROWN
Printed Name of Establishment Authorized Employee

[Signature]
Establishment Authorized Employee Signature and Title

5-18-2022
Date

Wilfredo Gutierrez
Printed Name of PPQ or CBP Official

[Signature]
PPQ or CBP Official's Signature and Title

5-18-2022
Date

A copy should be provided to the establishment employee.

Check applicable box below:

☒ Copy Provided at Visit ☐ Copy Will Be Provided After Visit ☐ By E-mail ☐ By FAX ☐ By Mail

LAUNCH BOAT COMPLIANCE

Attachment to PPQ Form 519, Uniform Standards for Compliance Agreements for Regulated Garbage - Cartage Firms/Establishments

Use the *Uniform Standards for Compliance for Regulated Garbage - Cartage Firms/Establishments* with any establishment that transports regulated garbage outside of port property. The Uniform Standards for Compliance Agreements outline the requirements and procedures for the handling and disposal of regulated garbage (regulated garbage as defined in 7CFR 330.400 - 330.403 or 9CFR 94.5) and serve as an attachment to PPQ Form 519, *Compliance Agreement*.

For establishments transporting regulated garbage within port property, use the appropriate Uniform Standards for Compliance Agreements for the primary regulated garbage handling activity. Do not complete the *Uniform Standards for Compliance Agreements for Regulated Garbage - Cartage Firms/Establishments*.

Fill in appropriate information where required. Cross out or line through information **not** applicable to the specific establishment. **Never** line through any information prior to Section I, *Regulated Garbage Handling Procedures*. **Do not** delete any part of the Uniform Standards. (Note: the deletion of instructions in *italics* and the deletion of either "APHIS" or "CBP" to denote which agency's telephone numbers are appropriate, are allowed). The establishment's standard operating procedures (SOP) covering all procedures for handling regulated garbage must be attached as an Addendum. Attach other Addenda to the Uniform Standards to document any additional information that is not already included.

Complete only one Compliance Agreement per establishment; attach an Addendum listing all locations the cartage firm/establishment services, as appropriate.

If the establishment is associated with the port conducts other regulated garbage activities (for example, a caterer or an aircraft cleaner), be sure to attach as an Addendum, the appropriate operational and back-up system sections of the applicable *Uniform Standards for Compliance Agreements* to the Compliance Agreement (PPQ Form 519). The transport requirements listed in the *Uniform Standards for Compliance Agreements for Regulated Garbage - Cartage Firms/Establishments* supersede the regulated garbage transport requirements in other operational addenda if the establishment is hauling outside of port property.

Compliance Agreements for cartage firms/establishments not associated with the port, that also process regulated garbage, will have two separate Compliance Agreements; one issued by APHIS covering the processing activities related to regulated garbage and one issued by CBP covering the hauling activities related to regulated garbage.

Cartage firms/establishments that will provide continual direct oversight of the off-loading of regulated garbage by non company personnel such as stevedores, long shore men and/or cruise ship personnel, **must** acknowledge that they are accepting responsibility for all activities related to the off-loading of regulated garbage in an Addendum to their Compliance Agreement.

If hauling rejected cargo or other difficult-to-contain agricultural commodities that must be handled as regulated garbage, include an Addendum that covers the containment of these materials to prevent dissemination of plant and animal pests and diseases.

NOTE: These pages are intended to provide guidance for CBP and APHIS personnel only. It should be discarded prior to entering into a Compliance Agreement with the establishment.

LAUNCH BOAT COMPLIANCE

Agreement Number TX-HOU-01-13-16

Attachment to PPQ Form 519, Uniform Standards for Compliance
Agreements for Regulated Garbage - Cartage Firms/Establishments

The United States Department of Agriculture, Animal and Plant Health Inspection Service (USDA APHIS), Plant Protection and Quarantine provides oversight for agricultural issues including APHIS regulated garbage. USDA is granted authority to take such action in the Plant Protection Act (PPA) (7 U.S.C. §§ 7701 et. seq.) and the Animal Health Protection Act (AHPA) (7 U.S.C. §§ 8301 et. seq.).

Any person who knowingly violates the PPA (7 U.S.C. §§ 7701 et. seq.) and/or the AHPA (7 U.S.C. §§ 8301 et. seq.) may be criminally prosecuted and found guilty of a misdemeanor which can result in monetary penalties, a one-year prison term, or both. Additionally, any person violating the PPA and/or the AHPA may be assessed civil penalties of up to \$300,000 per violation or twice the gross gain or gross loss for any violation that results in the person deriving pecuniary gain or causing pecuniary loss to another, whichever is greater.

Any individual, corporation, company, association, firm, partnership, society, or joint stock company, hereafter known as the establishment, engaged in the business of handling or disposing of garbage in accordance with the regulations (Title 7 Code of Federal Regulations §330.400-§330.403 and Title 9 Code of Federal Regulations §94.5) must first enter into a Compliance Agreement with APHIS. A Compliance Agreement authorizing the handling of regulated garbage is a legally binding contract between the United States Government and an establishment which has been approved by APHIS to handle regulated garbage. The establishment, ACCP INC. (name of establishment), by entering into this Compliance Agreement (which includes all Addenda), agrees to operate in accordance with APHIS regulations and policies when handling regulated garbage. USDA animal health and plant health regulations are enforced by APHIS and the Department of Homeland Security, United States Customs and Border Protection (CBP).

All employees or agents of ACCP INC. (insert name of establishment) must comply with the regulations pertaining to regulated garbage and all conditions and Addenda included in this Compliance Agreement, as deemed by the Administrator to be necessary to prevent the introduction and dissemination into or within the United States of plant pests and livestock or poultry diseases.

Trash is refuse that neither contains nor is visually contaminated with regulated garbage. Trash is not regulated by APHIS and is therefore **unrestricted**. For example, trash that solely contains empty soda cans would be unrestricted. Newspapers and magazines in the passenger cabin would also be unrestricted. An empty cardboard milk carton, sandwich, or fruit found in the passenger cabin, however, would be considered as regulated garbage as opposed to trash and would be restricted.

Garbage is all waste material that is derived in whole or in part from fruits, vegetables, meats, or other plant or animal (including poultry) material, and other refuse of any character whatsoever that has been associated with any such material. Garbage is regulated by APHIS when the garbage is on or removed from a means of conveyance, if the means of conveyance has been in any port outside the United States and Canada within the previous two-year period or to any port in Hawaii or any United States territory

1 Date 01-13-16

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or possession in the last one-year period. Garbage regulated by APHIS is hereafter known as regulated garbage.

Garbage, trash or other material not regulated by APHIS that is or has been commingled with regulated garbage is also regulated garbage.

Regulated garbage includes but is not limited to food scraps, table refuse, galley refuse, food wrappers or packaging materials and other waste material from stores, food preparation areas, passengers' or crews' quarters, dining rooms or any other areas on means of conveyance. Regulated garbage also means meals and other foods that were available for consumption by passengers or crew on an aircraft but were not consumed.

Other materials that may be handled as regulated garbage include but are not limited to rejected cargo (consisting of plant or animal origin materials), illegally imported agriculture commodities found in commerce, and quarantine materials seized during inspection.

The establishment covered by this Compliance Agreement, and all areas where regulated garbage handling occurs, are subject to unannounced inspections by APHIS or CBP personnel. APHIS/CBP officials must be allowed access to all areas where regulated garbage handling occurs. APHIS/CBP officials must be allowed to observe, without restriction, all regulated garbage handling activities performed by all employees and subcontractors. All records required by this Agreement must be made available to APHIS/CBP officials upon request. Any problems in conducting regulated garbage handling procedures as outlined in this Compliance Agreement must be immediately reported to the APHIS/CBP office at 713-454-8001 (insert phone number).

Compliance Agreements are valid from the date of agreement (PPQ Form 519, Block 10), and must be reviewed at least annually by APHIS/CBP officials with the establishment. That review must be documented per current APHIS policy.

Regulated garbage handling activities covered by this Compliance Agreement may be suspended and/or this Compliance Agreement may be immediately canceled for noncompliance. **This Compliance Agreement is non-transferable.**

The establishment under this Compliance Agreement must immediately notify the local APHIS/CBP office at 713-454-8001 (insert phone number) of any management changes, including but not limited to name, ownership, location, equipment, and procedures. The establishment may also be required to notify APHIS Headquarters at (301) 851-2312 or by email at ppq.vrs.regulated.garbage@aphis.usda.gov of the above changes. Such changes may invalidate this Compliance Agreement and require a new approval.

Revisions to this Compliance Agreement must be made if there are any changes that would invalidate this Agreement but do not require a new approval, including but not limited to changes in procedures (minor), local management or USDA regulations and requirements. The required revisions must be made as soon as the changes occur if they do not invalidate the Compliance Agreement in a manner that requires a new approval to be granted.

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By signing this Compliance Agreement, the signatory acknowledges that information concerning his/her establishment, including but not limited to the name of the establishment, location of establishment, and contact information with phone numbers, will be included on lists of APHIS approved regulated garbage handlers that are available to the public. In addition, the signatory acknowledges that if the establishment Compliance Agreement is cancelled or the establishment and/or its personnel are prohibited from handling regulated garbage the information will be listed on the APHIS website. Finally, the signatory acknowledges that if the regulated garbage handling activities authorized by the Compliance Agreement have been suspended, information regarding the suspension will also be listed on the APHIS website.

This Compliance Agreement only covers compliance with APHIS regulations and requirements. Therefore, this Compliance Agreement does not reduce or eliminate the Compliance Agreement holder of his/her legal duty and responsibility to comply with all other applicable Federal, State, and local regulatory requirements. By signing this Agreement, the signatory certifies that his/her establishment has met or will meet the requirements of all applicable environmental protection laws prior to handling garbage regulated by APHIS under the authority of USDA.

The establishment is responsible for all regulated garbage including food waste, loose trays of food, and unused meals, and will not allow its unauthorized diversion, removal, use, or consumption.

Once received by the establishment, regulated garbage must not remain in the establishment's possession for more than 72 hours (i.e., regulated garbage must be processed or hauled within this timeframe) without prior approval in writing from the APHIS Administrator.

I. Regulated Garbage Handling Procedures

A. General transportation requirements:

1. The vehicle transporting the garbage should take a direct or expedient route. The closest available approved incinerator, grinder or sterilizer should be used unless otherwise approved by CBP/APHIS. The allowed route/routes is/are included in an Addendum to this Compliance Agreement.

Any deviation from this intrastate route must have prior approval from CBP in writing. Contact the CBP office at 713-454-8001 (insert phone number). If the route is an interstate route, any deviation from the interstate route(s) must have prior approval from APHIS in writing. Contact the local APHIS office at 713-454-8001 (insert phone number).

2. The cartage firm must have previously arranged for immediate, priority incineration, grinding or sterilization at destination, unless otherwise approved in writing by the local APHIS AQI VMO.
3. Garbage will be processed at (Check all that apply; if additional space is needed include that information in an Addendum):

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Company Representative Initials 

Agreement Number TX-1404-01-13-16

☒ Sterilizer located at:
AGCP 2728 APPELT PR. HOUSTON, TX. 77015
(Name, Address, Phone Number)

☐ Incinerator located at:

(Name, Address, Phone Number)

☐ Grinder located at:

(Name, Address, Phone Number)

4. All locations serviced by this establishment must be listed in an Addendum attached to this Compliance Agreement and updated as necessary.
5. The garbage must be inaccessible to birds, rodents, and other vermin during transport.

B. Segregation of regulated garbage (check one):

☐ ~~Regulated garbage will be separated from all garbage not regulated by APHIS, as specified in the attached Standard Operating Procedures (SOP).~~

☒ All garbage will be handled as APHIS regulated garbage.

C. Operating procedures

1. The establishment must have an APHIS-approved written SOP for regulated garbage handling. The SOP must cover all aspects of regulated garbage handling procedures used by the establishment, and must include all requirements covered in this CA. The SOP must be written in English and other appropriate languages. The English version of the SOP must be attached to this Compliance Agreement and the procedures described therein are considered as stipulations of the Compliance Agreement and must be followed.
2. The establishment must conspicuously post the SOP or make the SOP available to employees in all work areas.
3. All regulated garbage must be contained in tight, covered, leak-proof containers.
4. Regulated garbage must be uniquely identifiable from other garbage and trash unless all garbage is handled as APHIS regulated garbage.
5. All rigid containers must be identified with the words "REGULATED GARBAGE" or a similar acceptable phrase in English and any appropriate foreign language. Lettering on containers should be large enough so that they could be legible from a distance of at least 10 feet.

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6. Containers and transport vehicles used for regulated garbage shall not be used for any material not regulated by APHIS, unless the container's or transport vehicle's markings have been removed and the container or transport vehicle is cleaned and disinfected under the direct supervision of APHIS or CBP personnel prior to such use. Transport vehicles or containers moved off the establishment's property to be repaired must first be cleaned and disinfected prior to movement. Transport vehicles or containers that are removed from service (i.e. decommissioned) must be cleaned and disinfected under direct APHIS or CBP supervision.
7. Procedures for handling transport vehicles and the regulated garbage contents if a vehicle is involved in an accident are indicated in the attached SOP.
8. Any plastic bags used in the handling, transportation or storage of regulated garbage must be at least three (3) mil (0.003-inch) thick and must be intact. Plastic bags used by the establishment for regulated garbage handling, transportation or storage must be uniquely identified by color, tag (attached to the bag or label (printed on the bag) as indicated in the attached SOP.
9. Plastic bags used for storage of regulated garbage must be securely closed and leak-proof and the bags must be stored inside a closed building or in a tight, covered, leak-proof, rigid container. The container or other confined area where regulated garbage is to be stored must be secured to prevent tampering and must be capable of being cleaned and disinfected. The regulated garbage must be inaccessible to birds, rodents, and other vermin.
10. If the establishment will be storing garbage, describe the area in the facility where regulated garbage will be stored. Storage sheds should be properly marked with the words "Regulated Garbage" or other appropriate terms. Lettering on should be large enough so that they could be legible from a distance of at least 10 feet.

GARBAGE WILL NOT BE STORED
ON THE PREMISES

11. The establishment must maintain records of receipt and processing of regulated garbage that include at a minimum:
 - Date and time regulated garbage was received
 - Location (point of origin) where the regulated garbage was received
 - The amount (weight, volume, number of units-bags, bins or containers) of the regulated garbage received and transported to processor or next establishment under Compliance Agreement
 - Date and time transported to the processor or next establishment under Compliance Agreement
 - Name of vehicle driver

These records must be maintained for one (1) year from the end of the

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month the regulated garbage was received. The establishment must assure that these records can be used to validate the inventory control system at the point of origin.

12. To facilitate monitoring, the cartage firm must notify the local CBP office at E-MAIL (insert phone number) of the anticipated time of regulated garbage collection, approximate volume/weight or quantity of garbage, and location (i.e. pier, ship name, yard, airport, etc.) at least 4 hours (insert number of hours) prior to the scheduled pick up.

13. If large amounts of material such as rejected cargo or regulated garbage from cruise ships are accepted for processing, those materials must be contained in a manner that will prevent the dissemination of agricultural pests and diseases as approved by APHIS or CBP. Attach an Addendum if applicable.

14. Scraped residue and runoff may be ground into an approved sewage system as defined in 7CFR 330.400-330.403 or 9CFR 94.5 or collected and treated as regulated garbage. All materials associated or in contact with regulated garbage must be treated as regulated garbage.

15. If an accident occurs while transporting regulated garbage, then the establishment must immediately report the incident to the local CBP office at (insert phone number) 713-454-8001 & E-MAIL.

D. Equipment

1. Equipment (including but not limited to vehicles, containers, dumpsters and compactors) used to transport/store unprocessed regulated garbage must:

- be completely enclosed, rigid, and leak-proof.
- not have a canvas top, tarp covering or any other non-rigid covering.
- be capable of being secured by a seal, lock, or similar device.
- be capable of being cleaned and disinfected.
- be identified with the words "REGULATED GARBAGE" or a similar acceptable phrase in English and any appropriate foreign language. Lettering on containers should be large enough so that they could be legible from a distance of at least 10 feet.
- be maintained to ensure that all of the requirements listed above are met.

Leaking vehicles, compactors, containers or dumpsters must be removed from service until they are repaired. Areas where leaks occur must be cleaned and disinfected.

II. Cleaning and Disinfection

The dock area and the area around grinders, sterilizers, incinerators, compactors, and/or dumpsters must be kept clean and free of loose garbage at all times.

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USCA - Cartage Firms/Establishments

October 2012 (Rev. July 2013)

All wooden surfaces in garbage handling areas (including storage areas and inside transport vehicles) must be treated so that surfaces are impervious to water and can be cleaned and disinfected.

A. Articles Requiring Cleaning and Disinfection

Any article, means of conveyance, or other surface, including but not limited to carts, pallets, machinery, handling containers, trucks, or railroad cars, dock or warehouse surface contaminated with regulated garbage, must be cleaned and disinfected with one of the APHIS-approved disinfectants to meet regulatory requirements as outlined in the attached SOP before the items are reused.

Cleaning of portable articles must be performed over a drain leading to an approved sewage system or directly into a containment tank for proper disposal.

B. Materials and Equipment

The following items must be immediately available for cleaning and disinfection in all work areas and on each conveyance during the handling of regulated garbage:

1. One of the following APHIS-authorized disinfectants:

- a) **Virkon®S** (EPA Reg. No. 71654-6) must be mixed according to the label for a 1% solution. Once mixed, Virkon®S may only be used for seven (7) days from the date of mixing. The name "Virkon-S" and the date the solution was mixed must be written on the container holding the solution.
- b) **Clorox® Bleach (sodium hypochlorite) 5.25%** (EPA Reg. No. 5813-1) commercially labeled for use as a disinfectant.
 - Use as a solution with a concentration of 5000 ppm available chlorine.
 - Mix 13 ounces Clorox® Bleach 5.25% bleach to 1 gallon of water or 1 part Clorox® Bleach 5.25% to 9 parts water.
 - This solution will disinfect hard non-porous surfaces and can be used to decontaminate porous surfaces and materials.
 - The Clorox® Bleach 5.25% bleach (original bottle) may only be used for a maximum of two months. Write the date of purchase on the original bottle. Bleach is best stored out of heat and sun.
 - When bleach is diluted, it may only be used for a 24-hour period post dilution. The words "Bleach Solution", the date and time of dilution must be written on the container holding the diluted bleach.

2. A sanitizer approved by the U.S. Environmental Protection Agency for use on and around food contact surfaces (as applicable)
3. A source of clean water adequate to achieve proper cleaning and disinfection
4. A detergent
5. A scrub brush
6. Equipment to pick up solid material (such as a shovel or broom and dustpan)
7. Materials to contain and or absorb liquids
8. Plastic leak-proof bags to hold collected materials

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9. Copy of all applicable Material Safety Data Sheets (MSDS) and disinfectant labels, if original containers are not available
10. Appropriate personal protective equipment (such as rubber or latex gloves and safety goggles) and/or other equipment as required by the MSDS, the disinfectant labels and the establishment

C. Cleaning and Disinfection Procedures outlined in the SOP must meet the following conditions:

1. Non Food Handling Areas:

- Prior to applying detergent or disinfectant, regulated garbage (liquid and solid) must be removed from contaminated surfaces. Apply an absorbent material if needed. All collected regulated garbage and materials used in cleaning and disinfection must be disposed of as regulated garbage.
- Clean/scrub the affected area with detergent.
- Flush the affected area with clean water.
- Apply the disinfectant solution per label instructions; wet the entire affected area. Read disinfectant label to determine how long the disinfectant should remain on the surfaces. (Note: Mixed bleach solution (5000 ppm available chlorine) must remain on surface for 10 minutes.)
- Flush area with clean water and air dry per disinfectant label.

2. Food Handling Areas:

Use only sanitizers approved by EPA for use in food handling areas. Ensure the sanitizer is allowed by the location where it is being used.

- Prior to applying sanitizer, all regulated garbage (liquid and solid) must be removed from contaminated surfaces. Apply an absorbent material if needed. All collected regulated garbage and materials used in cleaning and sanitizing must be disposed of as regulated garbage.
- Follow the instructions on sanitizer label.

APHIS/CBP will be immediately notified of any spillage outside of the facility at 713-454-8000 (insert phone number). Cleaning and disinfecting of the area affected by the spill must be accomplished immediately. The establishment must provide trained personnel and equipment for immediate clean up of such spills and the procedures for this cleaning must be specified in the SOP.

The establishment must maintain records of disinfectant and sanitizer used in association with the handling of regulated garbage. This includes disinfectant used for both routine cleaning and disinfection and spills. Records must include at a minimum:

- Date of disinfectant or sanitizer use
- Specific location of disinfectant or sanitizer use
- Volume and concentration of disinfectant or sanitizer used

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These records must be kept for three (3) years from the date of disinfectant or sanitizer usage.

III. Emergency Backup System

In the event the establishment is unable to conduct the regulated garbage handling activities as outlined in this Compliance Agreement or the establishment is ordered to suspend its regulated garbage handling activities, the emergency backup system listed below must be implemented. Additionally, if the establishment's primary regulated garbage hauler is unavailable or the establishment's primary processor is inoperable, the emergency backup system listed below must be implemented, to ensure that regulated garbage is not stored at the establishment's facility for longer than 72 hours. Details of the emergency back-up system must be included in the SOP. The establishment will immediately notify all of its regulated garbage customers affected by the implementation of the emergency backup system. The local APHIS/CBP office will be immediately advised of the implementation of the approved emergency backup system listed below: *(Must complete processor and hauler information.)*

☒ APHIS-approved Hauler or cartage firm to transport regulated garbage from the establishment's customer locations to the APHIS-approved processor:
GAMMA
 (Name, Address, Phone Number)

☒ APHIS-approved Processor (Circle one – sterilizer, incinerator, grinder.)
 located at: GAMMA
 (Name, Address, Phone Number)

☐ APHIS-approved Hauler or cartage firm to transport regulated garbage at this establishment to back-up processor (if different from above):

 (Name, Address, Phone Number)

If the establishment has initiated the emergency back-up plan, no regulated garbage will be handled or accepted by the establishment until authorized in writing by CBP.

IV. Training

The establishment must present a training program on regulated garbage handling to employees before they are permitted to handle or supervise the handling of regulated garbage. All previously trained employees shall be provided review training annually; this training may be given in more than one session.

The training program must be approved in writing by the local APHIS State Plant Health Director/CBP Port Director or his/her designee. The English version of the approved training program must be attached to the Compliance Agreement.

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The training program must be written in English and any other appropriate languages, and must be presented in all appropriate languages. The training program should be of sufficient duration to provide the required information on regulated garbage handling and may include both formal classroom training and on-the-job training.

At a minimum, the training must include:

- Definition of regulated garbage
- Film, slides, or other training aids on foreign animal and plant diseases and pests
- Explanation and purpose of the regulations
- Review of the establishment's approved SOP including proper regulated garbage handling procedures covering all procedures conducted by the establishment. The SOP must also include protocols for reporting and handling emergency spills, maintaining control of regulated materials and the cleaning and disinfecting of affected areas and equipment
- Review of the Compliance Agreement

Training record keeping requirements:

The establishment must maintain a record of regulated garbage training provided to employees and any subcontractors if applicable. The training records must include:

- The date of the training
- The name (s) of the trainees
- The specific topics covered during the training
- The name of the trainer

These records must be retained for a minimum of one (1) year from the end of the month in which the training occurred.

10 Date 5-18-22

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GUTIERREZ, WILFRED

From: David Armstrong <daccp2@aol.com>
Sent: Monday, January 11, 2016 2:00 PM
To: GUTIERREZ, WILFRED
Subject: Re: ACCP BOAT INSPECTION

Good day.

Please find list of docks we service.

Houston Area....
City Docks - All
Houston Fuel Oil
Greensport
Manchester
Westway
Intermarine
ITC
Vopak
Bostco
Kinder Morgan - All Locations
Shell
Houston Cement
Targa
LBC
Odfjell
Container Terminals - Port Road
Bayport Cruise Dock
LASH dock
ExxonMobil
Enterprise
Stolthaven
Magellan
Inbesa
Lyondell
Texas Terminal
Bulk Terminal
Cargill Grain Elevator
Jacinto Port
LD Commodities Elevator
~~ADM-Galveston Elevator~~

Galveston / Texas City Areas

Boliver Roads anchorage
Inner / Outer anchorage
Galveston Lightering area
South Sabine Lightering area

Port of Galveston - All docks
Enterprise
Valero
Marathon
Oxbow
Nustar
Teppco Seaway
Eastman
Texas International Terminal
Galveston Cruise Terminals
Port of Texas City

Best regards,
Chuck DeBarge
ACCP, Inc.
281-499-8164 Main
832-799-8663 Cell

On Jan 11, 2016, at 1:01 PM, "GUTIERREZ, WILFRED" <WILFRED.GUTIERREZ@CBP.DHS.GOV> wrote:

David,
I need the geographical area the boat is going to provide service.

For example; Area port of Houston including docks from xxxxxxxx to xxxxxxxx of the ship channel.
I need to include this in the compliance documentation.

Wilfred Gutierrez
Supervisor CBP Agriculture

From: David Armstrong [<mailto:daccp2@aol.com>]
Sent: Monday, January 11, 2016 12:22 PM
To: GUTIERREZ, WILFRED
Subject: Re: ACCP BOAT INSPECTION

323 W. 6th St, Clear Lake Shores

Best regards,
David Armstrong
ACCP Inc.
281-499-8164 main
281-352-5612 cell

Celebrating our 20th Anniversary!!

On Jan 11, 2016, at 12:18 PM, GUTIERREZ, WILFRED
<WILFRED.GUTIERREZ@CBP.DHS.GOV> wrote:

Tomorrow at 1030.
Can you send me the address?

Appendix 10
ACCP Dickinson Waste Received for Batteries

Please sign & stamp
you keep pink copy
Return Rest
back to supplier
ship.



42554

4034 N. BARNETT WAY, MISSOURI CITY, TX 77459

OFFICE: 281-499-8164

FAX: 281-452-4858

WWW.ACCPWASTEREMOVAL.COM

USDA/MARPOL REGULATED WASTE REMOVAL SERVICE ORDER

SERVICE DATE : 10-17-2023
AGENCY : WPS
CITY/STATE : Houston
AGENT : Bill
SHIP NAME/EAN : Petrel Pacific
PORT/PIER/AIRPORT : Exxon (Houston)

LOAD OUT: 11:00
DEPART MARINA: 0900
ARRIVE @SHIP: 0700
DEPARTED SHIP
ARRIVE @ MARINA:

TREATMENT CENTER: ACCP INC.

USDA/MARPOL PALLETS/M3 CARGO BAGS : 2 @1M3/EA. 2 M3
USDA REGULATED DRUMS : @.250M3./EA. M3
MARPOL WASTE BLACK MEGA BAGS : @.409M3./EA. M3
MARPOL OIL RAGS/ASH/CARBON DRUMS : @.250M3./EA. M3
EMPTY DRUMS REMOVED :
PALLETS REMOVED :
EXPIRED MEDS REMOVED :
PYROTECHNICS REMOVED :

SUPPLIES
CARGO BAGS : 2
MEGA BAGS :
DRUMS :

MARPOL ANNEX V
A. PLASTICS 0.40
B. FOOD WASTE 0.00
C. DOMESTIC WASTE 0.40
D. COOKING OIL 0.01
E. INCINERATOR ASH 0.35
F. OPERATIONAL WASTE 0.00
G.CARGO RESIDUE
I E WASTE 0.20

\$550.00
Cash

COMMENTS:
ACCP INC. REPRESENTATIVE

PETREL PACIFIC
IMO NO. 9816397
CUSTOMER SIGNATURE/STAMP

CERTIFICATION OF REGULATED WASTE REMOVAL

ACCP INC. certifies that ship waste described herein has been removed in accordance with current USDA Regulations. SHIP acting on behalf of principal hereby authorizes removal of waste described herein by ACCP Inc. and payment for services. Attorney fees. In the event the Customer fails to pay ACCP Inc. all amounts which become due under this agreement, or fails to perform it's obligation hereunder, and ACCP Inc. refers such matters to an attorney, Customer agrees to pay, in addition to the amount due, any and all costs incurred by ACCP Inc. as a result of such action, including, to the extent permitted by laws reasonable attorney fees.



Credit

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4034 N. BARNETT WAY, MISSOURI CITY, TX 77459

OFFICE: 281-499-8164

FAX: 281-452-4858

WWW.ACCPWASTEREMOVAL.COM

USDA/MARPOL REGULATED WASTE REMOVAL SERVICE ORDER

SERVICE DATE : 6-2-23
 AGENCY : Valls
 CITY/STATE : Houston TX
 AGENT : ERC
 SHIP NAME/EAN : MTB Innovation
 PORT/PIER/AIRPORT : Exxon - Baytown

LOAD OUT:
 DEPART MARINA:
 ARRIVE @SHIP:
 DEPARTED SHIP
 ARRIVE @ MARINA:

TREATMENT CENTER: ACCP INC.

USDA/MARPOL PALLETS/M3 CARGO BAGS : 3 @1M3/EA. 3 M3
 USDA REGULATED DRUMS : @.250M3/EA. M3
 MARPOL WASTE BLACK MEGA BAGS : @.409M3/EA. M3
 MARPOL OIL RAGS/ASH/CARBON DRUMS : @.250M3/EA. M3
 EMPTY DRUMS REMOVED :
 PALLETS REMOVED :
 EXPIRED MEDS REMOVED :
 PYROTECHNICS REMOVED :

MARPOL ANNEX V
 A. PLASTICS
 B. FOOD WASTE
 C. DOMESTIC WASTE
 D. COOKING OIL
 E. INCINERATOR ASH
 F. OPERATIONAL WASTE
 G.CARGO RESIDUE

SUPPLIES
 CARGO BAGS : 5
 MEGA BAGS :
 DRUMS : 3



COMMENTS: (3) Garbage (5) Full Drums (1) Empty Drums (2) Batteries

Captain Kevin Sullivan

ACCP INC. REPRESENTATIVE

MTB Innovation

CUSTOMER SIGNATURE/STAMP

CERTIFICATION OF REGULATED WASTE REMOVAL

ACCP INC. certifies that ship waste described herein has been removed in accordance with current USDA Regulations. SHIP acting on behalf of principal hereby authorizes removal of waste described herein by ACCP Inc. and payment for services. Attorney fees. In the event the Customer fails to pay ACCP Inc. all amounts which become due under this agreement, or fails to perform it's obligation hereunder, and ACCP Inc. refers such matters to an attorney, Customer agrees to pay, in addition to the amount due, any and all costs incurred by ACCP Inc. as a result of such action, including, to the extent permitted by laws reasonable attorney fees.