Spill Prevention, Control, and Countermeasure Plan

Cincinnati / Northern Kentucky International Airport
Kenton County Airport Board
Hebron, Boone County, Kentucky

Date: Revised June 2020
Terracon Project No.: N1167386

CVG
CINCINNATI/NORTHERN KENTUCKY
INTERNATIONAL AIRPORT

Prepared For:
Kenton County Airport Board
Hebron, Kentucky

Prepared By:
Terracon Consultants, Inc.
Cincinnati, Ohio

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1.0 SPCC PLAN ADMINISTRATION

The Cincinnati / Northern Kentucky International Airport (CVG Airport) is owned and operated by the Kenton County Airport Board (KCAB). The CVG Airport is located in Hebron, Boone County, Kentucky (facility) and has an aggregate aboveground oil storage capacity of approximately **40,600** gallons. This Spill Prevention, Control, and Countermeasure (SPCC) Plan has been prepared for the portions of the Airport owned or operated exclusively by KCAB.

Tenants/lessees of KCAB property are considered separate facilities under 40 CFR 112.2. Therefore, all tenants/lessees that have an aggregate aboveground oil storage capacity of 1,320 gallons or more (containers 55-gallons or greater) are required to develop and implement their own SPCC Plan and provide a copy to the Designated Person. Copies of tenant/lessees SPCC Plans are maintained for reference only in Appendix K.

1.1 Management Approval [40 CFR 112.7]

KCAB is committed to preventing discharges of oil to navigable waters and the environment, and to maintaining spill prevention, control, and countermeasures through the implementation and regular review/amendment of this SPCC Plan. This SPCC Plan has the full approval of KCAB management. KCAB has committed the necessary resources to implement the measures described in this SPCC Plan, as well as to implement any required emergency response actions. KCAB has the necessary manpower, equipment and materials to quickly address a discharge, should one occur.

"I have personally reviewed the contents of this SPCC Plan and, to the best of my knowledge, find it to be accurate and representative of actual conditions of operation. I further attest that the plan has my approval and that in my current management capacity I have the commensurate authority to commit the necessary resources and manpower to implement and comply with the provisions of this SPCC Plan."

Management Authority: _____

Name: Candace McGraw

Signature: _____

Title: Chief Executive Officer

Date: _____

1.2 Designated Person [40 CFR 112.7(f)(2)]

The Manager of Environmental Compliance is accountable for discharge prevention at the facility and has the authority to commit the necessary resources to implement this SPCC Plan. The Designated Person and additional contacts are listed in the Emergency Contacts table included in Appendix B.

1.3 Professional Engineer Certification [40 CFR 112.3(d)]

The undersigned Licensed Professional Engineer (P.E.) is familiar with the requirements of Part 112 of Title 40 of the *Code of Federal Regulations* (40 CFR 112) and has visited and examined the facility or has supervised examination of the facility by appropriately qualified personnel. The undersigned Licensed P.E. attests that this SPCC Plan has been prepared in accordance with good engineering practice, including consideration of applicable industry standards and the requirements of 40 CFR 112; that procedures for required inspections and testing have been established; and that this SPCC Plan is adequate for the facility. This SPCC Plan has also been developed based on information provided by the site owner, and this information is believed to be accurate.

This certification in no way relieves the owner or operator of the facility of his/her duty to prepare and fully implement this SPCC Plan in accordance with the requirements of 40 CFR 112. This SPCC Plan is valid only to the extent that the facility owner or operator maintains, tests, completes the implementation plan, and inspects equipment, containment, and other devices as prescribed in this SPCC Plan.

Name:	Ihor Melnyk, P.E.
License Number:	17714
State:	Kentucky
Date:	26 June 2020

P.E. certification is required for the original SPCC Plan and SPCC Plan reviews and amendments that include a physical change that materially affects the oil spill potential. Non-physical changes/administrative changes (e.g., personnel names, titles, and phone numbers) do not require P.E. certification.

1.4 Location of SPCC Plan [40 CFR 112.3(e)]

The airport is manned 24 hours per day, seven days per week, 365 days per year. A copy of this SPCC Plan will be maintained on KCAB's intranet site, KCABNet, and will be available for review during normal business hours.

1.5 SPCC Plan Review [40 CFR 112.5]

1.5.1 Changes in Facility Configuration [40 CFR 112.5(a)]

KCAB will review and evaluate this SPCC Plan when there are changes in facility design, construction, operation, or maintenance that materially affect the facility's potential for an oil discharge, including, but not limited to:

- Commissioning or decommissioning of containers;
- Reconstruction, replacement, or movement of containers;
- Reconstruction, replacement, or installation of piping systems;
- Construction or demolition that might alter secondary containment structures;
- Changes of product or service; or
- Revisions to standard operation, modification of testing/inspection procedures, or use of new or modified industry standards or maintenance procedures.

Amendments to the SPCC Plan made to address changes of this nature are referred to as technical amendments, and must be certified by a P.E. Non-technical (administrative) amendments can be performed by the facility owner and/or operator. Non-technical amendments include the following:

- Change in the name or contact information of individuals responsible for the implementation of this SPCC Plan; or
- Change in the name or contact information of spill response or cleanup contractors.

Technical and administrative amendments to the SPCC Plan will be documented on the SPCC Plan Review Log in Appendix C. KCAB will make the necessary revisions to the SPCC Plan as soon as possible, but no later than six (6) months after the change occurs. The SPCC Plan must be implemented as soon as possible following a technical amendment, but no later than six (6) months from the date of the amendment. The Designated Person is responsible for initiating and coordinating revisions to the SPCC Plan.

1.5.2 Scheduled SPCC Plan Reviews [40 CFR 112.5(b) and (c)]

KCAB will review this SPCC Plan at least once every five (5) years. Revisions to the SPCC Plan, if needed, will be made within six months of plan review. A licensed P.E. will certify technical amendments to the SPCC Plan in accordance with 40 CFR 112.3(d).

SPCC Committee

This SPCC will be administered by an SPCC Committee to be headed by the Designated Person. The SPCC Committee will meet no less than once a year to evaluate the effectiveness of the overall plan, when substantial updating is needed, or after a reportable discharge (Refer to Section 7.4.2 External Notification for the definition of a reportable discharge).

The SPCC Committee will be comprised of the following members:

- Manager of Environmental Compliance
- Fire Chief
- Chief Operations Officer
- VP Operations & Maintenance
- Senior Manager Environmental Operations
- Senior Manager of Safety
- Director of Airport Ops/ AOC

1.5.3 Record of SPCC Plan Reviews [40 CFR 112.5(b)]

Scheduled reviews and SPCC Plan amendments will be recorded in the SPCC Plan Review Log included in Appendix C. This log will be completed even if no amendment is made to the SPCC Plan as a result of the review. Unless a technical or administrative change prompts an earlier review of the SPCC Plan, the next scheduled review of this SPCC Plan will occur five (5) years from the date of this SPCC Plan.

2.0 FACILITY INFORMATION

Name:	Cincinnati / Northern Kentucky International Airport (CVG Airport)
Address:	3087 Terminal Drive Hebron, Boone County, Kentucky 41048
Type:	Onshore Non-Production Facility
Owner/Operator:	Kenton County Airport Board (KCAB)
Designated Person:	Manager of Environmental Compliance

2.1 Facility Description [40 CFR 112.7(a)(3)]

The CVG Airport is located in Hebron, Boone County, Kentucky and is owned and operated by KCAB. The airport property encompasses over 7,500 acres including airfield and terminal roadways, runways, taxiways, terminals, and parking areas. KCAB's operations include oil storage capacities greater than 1,320 gallons; therefore, KCAB is required to comply with the

SPCC Rule (40 CFR 112). Bulk oil storage containers, oil-filled operational equipment, and oil transfer areas are further described in Section 2.2 and in Appendices D and F.

Exhibit 1 shows the general location of the facility on a United States Geological Survey (USGS) topographic map. Exhibits 2A, 2A-1, 2A-2, 2A-3, and 2B depict a general layout of the facility, oil storage areas, piping, and the general direction of surface water flow.

2.2 Oil Storage [40 CFR 112.7(a)(3)(i)]

Oil storage containers with capacities of equal to or greater than 55 gallons are further described in Appendix D. The total oil storage capacity of bulk storage tanks and oil-filled operational equipment that are operated by KCAB is approximately 40,600 gallons.

To qualify for an exemption of an empty bulk storage container, the container not in use must be "permanently closed," as defined by the EPA, and/or removed from the facility.

Permanent closure of a bulk storage container requires:

- Liquid and sludge to be removed from the container and connecting lines;
- Connecting lines and piping to be disconnected from the container and blanked off;
- Valves (except those for ventilation) are to be closed and locked; and
- Conspicuous signs are to be posted on the container stating that it is permanently closed with the closure date noted.

Once a bulk storage container is taken out of service in accordance with the above requirements, it will no longer be included in the facility's oil storage inventory and the requirements of 40 CFR 112 will no longer apply to that bulk storage container.

It should be noted that KCAB operates several underground storage tanks (USTs) that are regulated by the Kentucky Division of Waste Management (KDWM) Underground Storage Tank Branch and therefore, are not subject to the SPCC Rule per 40 CFR 112.8(c)(4-5). The USTs operated by KCAB include those that contain diesel fuels to feed emergency generators, as well as those that contain diesel and gasoline used to fuel onsite vehicles. These USTs are included in Appendix D and on Exhibit 2A for reference only.

2.3 Wastewater Treatment [40 CFR 112.1(d)(6)]

KCAB maintains several subgrade oil/water separators (OWSs) located throughout the facility as shown on Exhibit 2A and Exhibit 2B. The OWSs are positioned in areas to separate oil from storm water, in the event of a spill and/or leak. All OWSs are inspected and serviced at least once a year by a third-party contractor. The Airport also operates various glycol and storm water pump

stations that transfers water and deicing fluids to the Storm Water Treatment Plant (SWTP). The SWTP is designed to operate as a biological treatment of the storm water and deicing fluids; however, it is not recommended to treat an oil/fuel release. The system utilizes aerobic sludge digestion. Water treated at the Storm Water Treatment Facility is discharged to Gunpowder Creek.

Facilities used exclusively to treat wastewater and not used to satisfy requirements of Part 112 are exempt from SPCC requirements and do not count toward facility storage capacity.

2.4 Distance to Navigable Waters and Adjoining Shorelines and Flow Paths

Based on review of the USGS topographic map of *Burlington, Kentucky-Ohio (2016)*, the facility is located at an approximate elevation of 850 to 900 feet (NGVD). Storm water that falls on the northern portion of the property flows in a northern direction towards Elijah Creek; storm water that falls on the southern portion of the property flows in a southern direction towards Gunpowder Creek (reference Exhibit 1). Detention basins are located in the northwest and southwest corners of the property prior to discharging to Elijah Creek and Gunpowder Creek, respectively. Depending on the level of storm water present within the detention basins, the detention basins provide an additional level of protection in the event of an oil discharge. On-site surface flow direction is indicated on Exhibit 2A and Exhibit 2B.

The floor drains in the Fleet Maintenance Building (Building #4) discharge to an oil/water separator which discharges into the Northern Kentucky Sanitary District No. 1 (SD1). Water that collects in the diked storage area at the Fire Training Facility is manually pumped through an OWS before being discharged to SD1.

3.0 GENERAL REQUIREMENTS [40 CFR 112.7]

The following measures are implemented to prevent oil discharges during the handling, use, or transfer of oil products at the facility. Oil-handling employees will receive training in the proper implementation of these measures.

3.1 Cross Reference with SPCC Provisions [40 CFR 112.7(a)(5)]

This SPCC Plan does not follow the exact order presented in 40 CFR 112. Section headings identify, where appropriate, the relevant section(s) of the SPCC regulation. Appendix E presents a cross-reference table of SPCC Plan sections relative to applicable parts of 40 CFR 112.

3.2 Compliance with Applicable Requirements [40 CFR 112.7(a)(1) and (2)]

In accordance with this SPCC Plan, the facility is in compliance with applicable requirements of the regulation as further detailed in sections below.

3.3 Discharge Prevention Measures [40 CFR 112.7(a)(3)(ii)]

Transfer procedures and associated discharge prevention measures are further discussed in Section 4.14.

3.4 Potential Discharge Volumes and Direction of Flow [40 CFR 112.7(b)]

The table included in Appendix F presents expected volume, discharge rate, general direction of flow in the event of failure, and means of secondary containment for areas of the facility where oil is stored, used, or handled.

3.5 Containment and Diversionary Structures [40 CFR 112.7(c)]

Methods of secondary containment and/or active measures at this facility to prevent oil from reaching navigable waters and adjoining shorelines include the following:

- **Double-walled Steel:** Double-walled steel provide integrated containment for specific ASTs as indicated in Appendix D. Releases from the inner shell would be detected via interstitial monitoring. Should a release occur from the outer shell, the leak would be detected during routine inspections of tanks and oil storage areas. Double-walled, shop-built ASTs satisfy the requirements of 40 CFR 112.7(c); therefore, calculations of additional secondary containment surrounding the double-walled, shop-built ASTs are not necessary.

- **Diked area(s):** The 10,000-gallon ARFF Training Fuel AST at the Fire Training Center is located within a concrete dike. The dimensions of the dike are 22.5 x 56.08 x 1.29 feet. An OWS is also located within the diked area. All water contained in the diked area is manually pumped through the oil water separator before being discharged from the dike. No drainage valves are located within the diked area.

- **Oil Water Separator(s).** All floor drains within the Fleet Maintenance Building (Building #4) are connected to an OWS, prior to discharging to Northern Kentucky Sanitary District No. 1 (SD1). The OWS at Fleet Maintenance is used to collect oil spills or dripped fluids from the fleet maintenance activities within the building.

- **Interior Storage.** Portable containers (55-gallon drums) and oil-filled operational equipment are located within various buildings at the Airport as indicated on

Exhibits 2A and 2B. Areas of interior oil storage are further protected by high security measures.

- **Sorbent Materials.** Spill cleanup kits that include absorbent material, booms, and other portable barriers are located in designated areas for rapid deployment should a release occur. For qualified oil-filled equipment (see Section 3.10), the facility has provided active measures (e.g., sorbent material) of containment in the event of a discharge. When sorbent materials are used, material is replenished to ensure they are readily available in the event of a discharge.

3.6 Practicability of Secondary Containment [40 CFR 112.7(d)]

KCAB management has determined that secondary containment is practicable for all bulk storage tanks at this facility. Secondary containment for oil-filled operational equipment is further discussed in Section 3.13.

3.7 Inspections, Tests, and Records (40 CFR 112.7(e))

The facility performs monthly inspections as follows in Section 3.7.1. The schedule and frequency of inspection of aboveground storage tanks and associated piping and containment are further described in Appendix G. Records of inspection and testing, as applicable, are maintained electronically.

3.7.1 Monthly Inspection

KCAB checklists will be used for monthly inspections by facility personnel. The monthly inspections cover the following key elements:

- Observing the exterior of aboveground storage tanks, pipes, and other equipment for signs of deterioration, leaks, corrosion, and thinning;
- Observing the exterior of portable containers for signs of deterioration or leaks;
- Observing tank foundations and supports for signs of instability or excessive settlement;
- Observing the tank fill and discharge pipes for signs of poor connection that could cause a discharge, and tank vent for obstructions and proper operation;
- Checking the inventory of discharge response equipment and restocking as needed; and
- Observing the secondary containment structures for the presence of water and draining the containment if oil is not present.

Issues regarding portable containers, secondary containment structures, or spill response equipment will immediately be reported to the Designated Person. Visible oil leaks will be repaired as soon as possible to prevent a larger spill or discharge. Pooled oil or oil-contaminated water will be removed and properly disposed of upon discovery.

Monthly inspection records will be reviewed and signed by the Designated Person and maintained by KCAB for a period of at least three (3) years.

3.8 Personnel, Training, and Discharge Prevention Procedures [40 CFR 112.7(f)(1) and (3)]

Oil-handling personnel receive annual training. The training includes the following items:

- Operation and maintenance of oil-filled equipment;
- Discharge response procedures;
- Applicable pollution control laws, rules, and regulations; and
- General facility operations; and
- The contents of this SPCC Plan.

Annual training/briefings will be aimed at ensuring continued understanding and adherence to the discharge prevention procedures presented in the SPCC Plan. It will highlight and describe known discharge events or failures, malfunctioning components, and recently implemented precautionary measures and best practices. Facility operators and other personnel will have the opportunity during the briefings to share recommendations concerning health, safety, and environmental issues encountered during facility operations. New facility personnel with discharge prevention responsibilities will be provided with this same training prior to being involved in oil operation.

The Designated Person identified in Section 1.2. of this SPCC Plan is responsible for arranging oil discharge prevention, control, and response preparedness activities at this facility. Records of training will be kept electronically and maintained for a period of three (3) years.

3.9 Security [40 CFR 112.7(g)]

CVG Airport is a highly-secured facility, with restricted areas, secured badging, and security cameras that are monitored regularly. The facility is manned 24 hours a day, 7 days a week and has an Airport-specific police and fire department.

3.10 Tank Car and Tank Truck Loading/Unloading Rack [40 CFR 112.7(h)]

There are no loading/unloading racks at this facility; therefore, this section is not applicable.

3.11 Field-Constructed Aboveground Containers [40 CFR 112.7(i)]

KCAB does not operate field-constructed bulk storage tanks; therefore, this section is not applicable.

3.12 Conformance with State and Local Applicable Requirements [40 CFR 112.7(j)]

In the State of Kentucky, a spill or discharge of oil or petroleum must be immediately reported to the Environmental Response Team (ERT) if it meets either of the following qualifications.

- Any amount that creates a visible sheen or film on a waterway; or
- Any spill or threatened release to the environment that is more than 25 gallons of petroleum or 75 gallons of diesel fuel within a 24-hr period.

In the event of a spill, the Manager of Environmental Compliance will notify the Kentucky ERT, the Kentucky Emergency Management, and the National Response Center, as applicable. Information to be reported is described in Section 5.4.

Some releases may require immediate response by trained emergency personnel. This will be coordinated through the Kentucky Emergency Response Team, and other state or local emergency response agencies that may be needed. The Designated Person will make this determination.

A list of Emergency Contacts is included in Appendix B. Additional notification and reporting requirements are addressed in Section 5.4.

3.13 Qualified Oil-Filled Operational Equipment [40 CFR 112.7(k)]

Qualified oil-filled operational equipment located at the facility includes electrical transformers, hydraulic reservoirs for elevators, and diesel fuel emergency generators. In addition to the KCAB transformers, several other electrical transformers are located throughout the facility; however, these transformers are owned and operated by the utility company. Therefore, Duke Energy is responsible for the inspection and maintenance of these transformers and they are not included as part of this SPCC Plan. A list of these transformers is provided as Exhibit 3 for reference only. All hydraulic elevators are operated, maintained, and inspected by a third-party contractor.

The facility has not had a single discharge from oil-filled operational equipment exceeding 1,000 gallons nor has the facility had two discharges from oil-filled operational equipment each exceeding 42 U.S. gallons within a twelve-month period in the three years prior; therefore, alternative requirements may be implemented in lieu of secondary containment for the oil-filled operational equipment at the facility.

These requirements are as follows:

- Implement and document facility procedures for inspections or a monitoring program to detect equipment failure and/or a discharge; and
- Preparation of a contingency plan for oil spills, with a commitment of manpower, equipment and materials required to expeditiously control and remove quantities of oil discharged that may be harmful.

The SPCC Rule allows an impracticability determination to be made, if a contingency plan and written commitment of manpower are prepared in accordance with 40 CFR 109. Due to a lack of secondary containment structures for all oil-filled operational equipment, specifically transformers and emergency generators located outside, an oil spill contingency plan is required. The potential for discharge of oil from this equipment is relatively low. All transformers and emergency generators are inspected and maintained regularly by KCAB's onsite maintenance staff. Required elements of the oil spill contingency plan include a commitment of manpower and materials required to expeditiously control and remove any quantity of oil discharged that may be harmful. A written commitment of manpower is found in Section 1.2 of this SPCC Plan. In the event of a discharge, KCAB's ARFF team could immediately respond. A stand-alone document is not required under the SPCC Rule.

4.0 REQUIREMENTS FOR ONSHORE FACILITIES (EXCLUDING PRODUCTION FACILITIES) [40 CFR 112.8]

4.1 General Requirements [40 CFR 112.8(a)]

In accordance with this SPCC Plan, the facility will meet the general requirements for the SPCC Plan per 40 CFR 112.7 (Section 3.0) and the specific discharge prevention and containment procedures listed in this section.

4.2 Facility Drainage [40 CFR 112.8(b)]

The diked storage area at the Fire Training Facility does not have any drainage valves. The diked area is emptied by a manually-operated pump that pumps the accumulated water through an oil/water separator prior to discharging to SD1. The oil water separator within the diked area at the Fire Training Facility operates as an effluent treatment system and is exempt from all SPCC requirements in accordance with 40 CFR 112(d)(6).

Facility drainage systems from undiked areas will be designed to discharge to oil/water separators or to ponds, lagoons, or catchment basins designed to retain oil or return it to the facility. Catchment basins will not be located in areas prone to flooding. If a facility drainage system cannot be designed in this manner, the final discharge of ditches in the facility will be equipped

with a diversion system that would, in the event of an uncontrolled discharge, retain oil in the facility. Facility drainage systems will be designed to prevent a discharge in case of equipment failure or human error.

4.3 Bulk Storage Containers [40 CFR 112.8(c)(1)]

Bulk oil storage containers are constructed of materials in accordance with industry specifications. The design and construction of the bulk storage containers are compatible with the characteristics of the oil product they contain, and with temperature and pressure conditions. Appendix D summarizes the construction, volume, and content of bulk storage containers at the facility.

4.4 Secondary Containment [40 CFR 112.8(c)(2)]

The SPCC regulation requires that secondary containment structures for bulk storage containers be adequately sized to contain the volume of the largest container (or multiple containers, if equalized) and precipitation, or available freeboard, for a predicted storm event using the EPA-recommended 25-year, 24-hour storm event for the locale, if exposed to precipitation. Containment, including walls and floor, will be capable of containing oil until cleanup occurs. Secondary containment calculations are included in Appendix I. Drainage from undiked areas will be confined in a catchment basin, holding pond, other system designed to retain oil on-site and/or return it to the facility.

Secondary containment calculations are based on level ground assumption inside the containment area. Berm measurements used for calculating secondary containment are taken from the inside of the secondary containment.

4.5 Drainage of Diked Areas [40 CFR 112.8(c)(3)]

KCAB operates one diked containment structure for the 10,000-gallon double-walled ARFF Training Fuel aboveground storage tank located at the Fire Training Facility. The diked area does not contain any drainage valves and within the diked area there is an oil water separator that is manually operated by a pump. Accumulated precipitation within the containment structure will be drained under direct supervision of trained facility personnel. The accumulated precipitation will be pumped through the oil water separator prior to discharging to SD1.

4.6 Completely Buried Metallic Storage Tanks [40 CFR 112.8(c)(4)]

It should be noted that KCAB operates several underground storage tanks (USTs) that are regulated by the KDWM Underground Storage Tank Branch and therefore, are not subject to the SPCC Rule per 40 CFR 112.8(c)(4-5). The USTs operated by KCAB include those that contain diesel fuels to feed emergency generators, and those that contain diesel and gasoline used to fuel onsite vehicles. These USTs are included in Appendix D and on Exhibit 2A for reference only.

4.7 Partially Buried or Bunkered Storage Tanks [40 CFR 112.8(c)(5)]

The facility does not maintain partially buried or bunkered storage tanks; therefore, this section is not applicable.

4.8 Inspections and Tests [40 CFR 112.8(c)(6)]

In addition to monthly inspections and following material repairs, facility bulk oil storage containers will be tested or inspected following the Steel Tank Institute (STI) *Standard for the Inspection of Aboveground Storage Tanks*, SP-001, 5th version included in Appendix H.

Oil-filled equipment is not considered a bulk storage container and is not subject to the integrity testing requirements of the SPCC rule; however, it is a good engineering practice to conduct monthly visual inspections as an effective means of verifying container integrity and to detect discharges as part of the facility's countermeasures for discharge discovery.

Records of inspections and tests will be maintained by KCAB for at least three (3) years.

4.9 Heating Coils [40 CFR 112.8(c)(7)]

The facility does not maintain bulk storage containers with internal heating coils; therefore, this section is not applicable.

4.10 Overfill Prevention [40 CFR 112.8(c)(8)]

Each bulk storage container must be engineered or updated in accordance with good engineering practice to avoid discharges. Each bulk oil storage container must be provided at least one of the following devices:

- High liquid level alarms with an audible or visual signal at a constantly attended operation or surveillance station. In smaller facilities, an audible air vent may suffice.

- High liquid level pump cutoff devices set to stop flow at a predetermined container content level.
- Direct audible or code signal communication between the container gauge and the pumping station.
- A fast response system for determining the liquid level of each bulk storage container such as digital computers, “tele pulse”, or direct vision gauges. If this alternative is utilized, the facility must be present to monitor gauges and the overall filling of bulk storage containers.
- Regularly test liquid level sensing devices to ensure proper operation.

Tanks are equipped with direct-reading level gauges. Facility personnel and/or the tank truck driver will be present throughout the filling operations to monitor the product level in the tanks. Tank volumes will be observed prior to and during filling to prevent overfills.

Portable containers (e.g., drums) used to store used oil, oily solids, and sorbent materials are located in designated areas throughout the facility. Oil products will be transferred into the portable containers in minimal amounts by trained facility employees. Visual methods will be utilized to determine the level of waste oil in the portable container to prevent discharge. Portable containers should not be allowed to overflow during transfer.

4.11 Effluent Treatment Facilities [40 CFR 112.8(c)(9)]

The KCAB maintains a storm water treatment plant in the southwest portion of the facility and an OWS within the diked area at the Fire Training Facility. The OWS at the fire training center is not used for secondary containment, therefore, it is considered an effluent treatment system and exempt from the SPCC Rule. The facility will observe effluent treatment systems at least monthly and frequently enough to detect possible system upsets that could cause a discharge.

4.12 Visible Discharges [40 CFR 112.8(c)(10)]

Visible discharges from a container or appurtenance – including seams, gaskets, piping, pumps, valves, rivets, and bolts – will be promptly corrected upon discovery. Free liquid is recovered whenever possible and properly disposed of off-site. Oily waste will be handled as described in Section 5.3.

The AOC should be notified of any discharges over five (5) gallons.

4.13 Mobile and Portable Containers [40 CFR 112.8(c)(11)]

Mobile and portable containers will be positioned or located in designated areas, away from traffic. Appendix D summarizes the location, construction, volume, and content of mobile and portable containers.

4.14 Transfer Operations, Pumping, and In-Plant Processes [40 CFR 112.8(d)]

Oil transfer operations at the facility include loading fuels into ASTs and USTs from tanker trucks and mobile refueling tanks, fueling vehicles from USTs and ASTs, loading oil from drums into ASTs, and transfer of oil onsite through underground and aboveground piping.
Transfer activities occur in designated areas and will be attended by trained facility personnel or contractors trained in spill response measures per this SPCC Plan. Steel sumps, plastic spill buckets, and galvanized tubs are provided as secondary containment for minor releases and/or leaks during the transfer process. Sorbent materials are also provided in the event of a discharge outside of provided containment.

To minimize the potential for release during transfer, facility personnel will verify that the transport driver understands the facility layout, knows the protocol for entering the facility and loading product, and has the necessary equipment to respond to a discharge from the vehicle or oil delivery hose. Truck hoses and valves will be examined prior to transfer operations to assess their condition. Transfer operations for trucks are performed according to the procedures outlined in Appendix J. As a line of defense to capture a release during transfer, sorbent booms may be placed down gradient of the truck, arranged in a semicircle, with additional sorbent materials located nearby during transfer activities. Tanker truck and/or facility personnel observing transfer operations will be trained in how to shut off the flow at the tank and notify the AOC if an unexpected release occurs during transfer operations.

The buried piping that exists at the facility is associated with the USTs that feed the emergency generators. Most of the buried piping and associated USTs were installed prior to August 16, 2002 (except for the piping associated with the USTs at Vault 12, West Vault, and Field Maintenance Fuel Farm, which were installed in 2004, 2003, and 2006, respectively). Buried piping that was installed and/or replaced or repaired following August 16, 2002 is equipped with protective wrapping and coating. Buried piping installed after this date is also protected from corrosion by coatings or cathodic protection or otherwise meets the requirements contained in Title 401 Kentucky Administrative Regulations (KAR) Chapter 42 (401 KAR 42), approved under Part 281 of this chapter. If a section of buried line is exposed, it will be inspected for deterioration. If corrosion damage is identified, additional examination and corrective action will be made as necessary according to the magnitude of the damage. Integrity and leak testing of buried piping will be conducted at the time of installation, modification, relocation, replacement, and/or once every three (3) years.

Aboveground piping connections are capped or blank-flanged (e.g., sealed) at the transfer point and marked to its origin when piping is not in service or is in standby service for an extended time. Pipe supports are properly designed to minimize abrasion and corrosion and also allow for expansion and contraction.

Aboveground piping, hoses, and valves will be examined routinely to assess their condition. Inspection includes aboveground valves, piping, appurtenances, expansion joints, valve glands and bodies, pipeline supports, locking of valves, and metal surfaces. Observations will be noted on the facility inspection checklist provided in Appendix C.

Aboveground piping is located within areas that are not accessible to vehicular traffic (e.g., inside containment areas).

5.0 DISCHARGE RESPONSE

The uncontrolled discharge of oil to land or water is prohibited by federal and state laws. Immediate action must be taken to control, contain, and recover discharged oil. In the event of a discharge, KCAB's ARFF team is prepared to immediately respond 24 hours per day, seven days per week.

Any discharge should be reported to the AOC.

Please note, any release from the primary containment vessel (even into a secondary containment area) is considered a discharge or a threatened discharge to the environment.

If aqueous fire-fighting foam (AFFF) is used, discharged or released to the environment, containment and cleanup is required to prevent future adverse health or environmental impacts. The ARFF Standard Operating Procedure (SOP) should be followed in the event of a foam discharge.

In general, the following steps will be taken in the event of a discharge or spill:

- Immediately notify Airport Operations Center (AOC);
- Evaluate the risk to employees, neighboring people or the environment. If it is deemed safe, proceed with the next steps;
- Eliminate potential ignition sources;
- If possible and safe to do so, identify and shut down source of the discharge to stop the flow;
- Contain the discharge with active spill response measures; and
- If it is not safe to complete the steps listed above, evacuate the area immediately.

The AOC will notify the Designated Person. In the event the Designated Person is unavailable; the ARFF Fire Chief will act as the Designated Person and the Airport Duty Manager (ADM) will be responsible for contacting the appropriate authorities.

The Designated Person will be responsible for:

- Notifying appropriate regulatory agencies and/or contracted emergency responders;
- Completing required documentation, including discharge reports, and maintaining copies with this SPCC Plan or in a readily accessible location; and
- Organizing the collection and disposal of recovered oil and used spill response materials.

A list of Emergency Contacts is provided in Appendix B. KCAB Emergency Procedures should be followed, in the event of an oil discharge. Discharge response materials and equipment are maintained by KCAB and ARFF and are readily available in the event of a discharge.

5.1 Waste Disposal [40 CFR 112.7(a)(3)(v)]

Waste resulting from a discharge response will be containerized in impervious bags, drums, buckets, or other suitable containers as necessary. The Designated Person will be responsible for the characterization of the waste for proper disposal and verify that it is removed from the facility by a licensed waste hauler.

5.2 Oil Discharge Notification and Reporting

The Designated Person will determine if the discharge requires notification and/or reporting to regulatory agencies as outlined below in Sections 5.2.1 and 5.2.2.

5.2.1 Notification Requirements [40 CFR 112.7(a)(4)]

Agency	Notification/Reporting Requirements[1]	Phone
National Response Center (NRC)	When there is a discharge of: • A harmful quantity[2] of oil to U.S. navigable waters or adjoining shorelines	1 (800) 424-8802 or 1 (202) 426-2675
EPA Region IV	When there is a discharge of: • More than 1,000 U.S. gallons of oil in a single discharge to navigable waters or adjoining shorelines • More than 42 U.S. gallons of oil in each of two discharges to navigable waters or adjoining shorelines occurring within any twelve-month period	1 (800) 241-1754 or 1 (404) 562-9900
Kentucky Emergency Response Branch (ERB) & Kentucky Emergency Management	When there is a discharge or threatened discharge of: • 25 gallons or more of a petroleum product within a 24-hr period • 75 gallons or more of diesel fuel in a 24-hr period • Or any amount that creates a visible sheen on surface waters	1 (800) 928-2380 or 1 (502) 564-2380 1 (800) 255-2587

[1]When determining the applicability of this SPCC reporting requirement, the gallon amount(s) specified (either 1,000 or 42) refers to the amount of oil that actually reaches navigable waters or adjoining shorelines, not the total amount of oil spilled. [2]A harmful quantity is any quantity of discharged oil that violates state water quality standards, causes a film or sheen on the water's surface, or leaves sludge or emulsion beneath the surface.

The person notifying the agency/agencies of the discharge must provide the following information:

- Name, organization, and telephone number;
- Name and address of the responsible party;
- Exact address or location and telephone number of the facility;
- Date and time of the discharge or spill;
- Type of material discharged;
- Estimated quantity of materials discharged or spilled;
- Duration of the discharge or spill;
- Source of the discharge or spill;
- Description of all affected media (i.e., water, land, air);

- Cause of the discharge;
- Any damages or injuries caused by the discharge;
- Description of actions that have been taken, are being taken, and will be taken to stop, remove, and mitigate the effects of the discharge or spill;
- Whether an evacuation is needed;
- Identify governmental representatives, including local authorities or third parties, who have been contacted and/or are responding to the discharge or spill; and
- Other information that may help emergency personnel respond to the discharge or spill.

Discharge reports will be maintained electronically by KCAB for at least three (3) years. State and/or local reporting requirements are further described in Section 3.12.

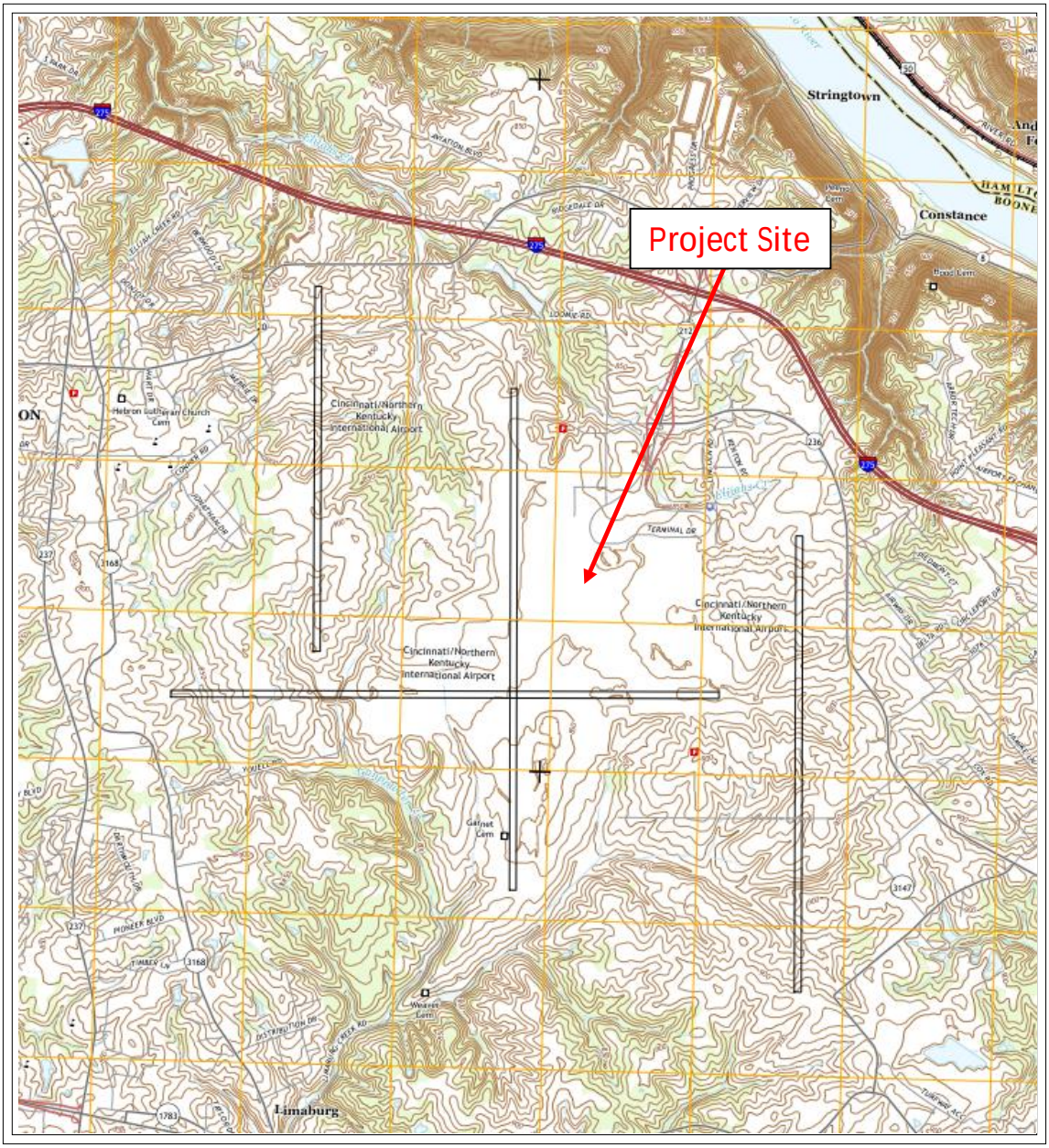
5.3 Cleanup Contractors and Equipment Suppliers

If necessary, the facility may use a cleanup contractor with the necessary equipment to assist ARFF with a discharge of oil and/or a discharge. Contractor information is provided in the Emergency Contacts table in Appendix B.

Spill kits are maintained in designated areas and are readily available in the event of a discharge. Spill kits are replenished by KCAB as needed.

Exhibits

UNITED STATES – DEPARTMENT OF THE INTERIOR – GEOLOGICAL SURVEY



SCALE 1:24 000

1 .5 0 KILOMETERS 1 2

1000 0 METERS 1000 2000

1 .5 0 1

MILES

1000 0 1000 2000 3000 4000 5000 6000 7000 8000 9000 10000

CONTOUR INTERVAL FEET FEET

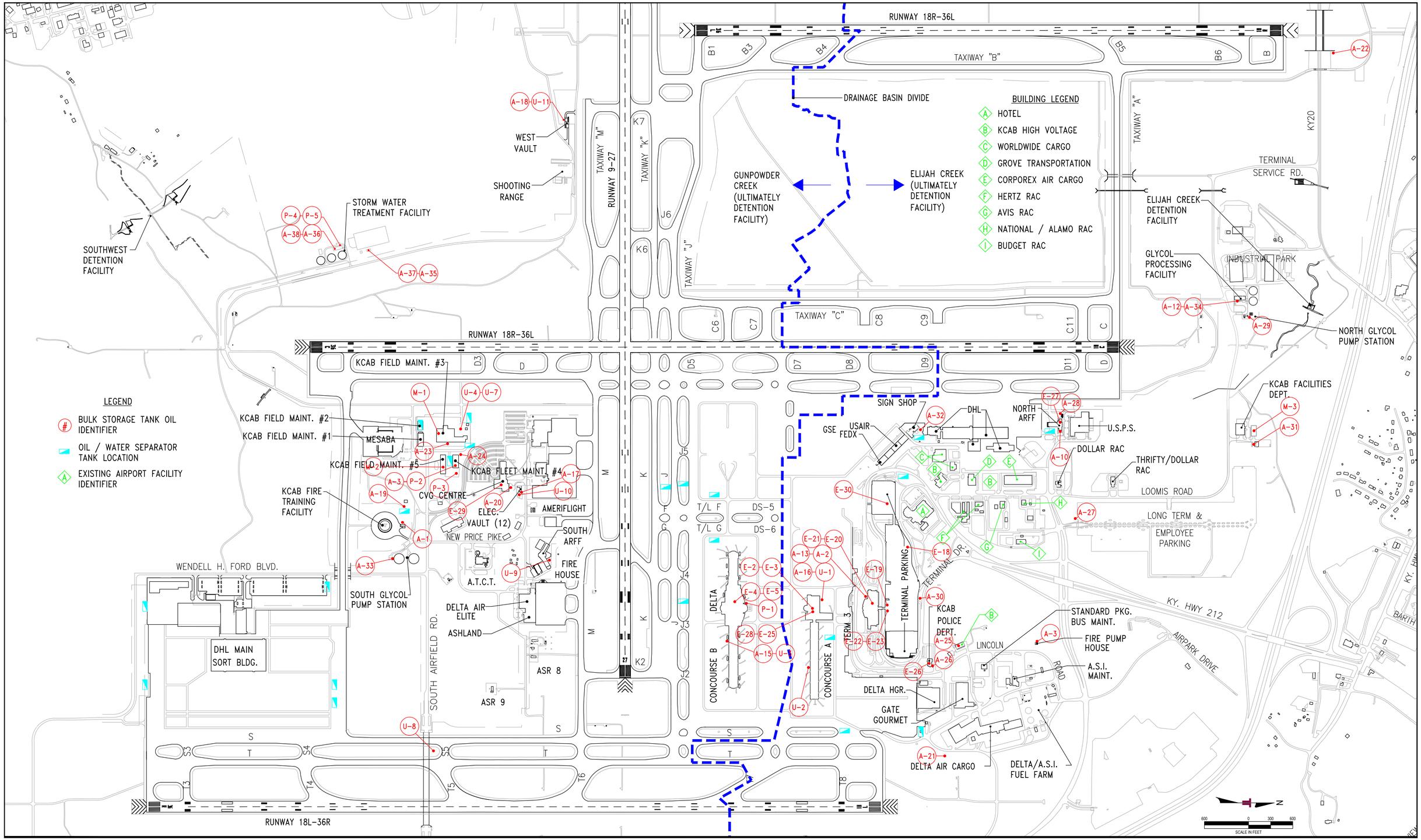
NATIONAL GEODETIC VERTICAL DATUM OF 1929

BURLINGTON, KY-OH

2016

7.5 MINUTE SERIES (TOPOGRAPHIC)

Project Mngr: LKE Drawn By: LKE Checked By: JJK Approved By: JJK	Project No: N1167386 Scale: AS SHOWN File No: Exhibit 1 Date: 6/1/2016	Terracon Consulting Engineers and Scientists 611 LUNKEN PARK DRIVE CINCINNATI, OHIO 45226 PH. (513) 321-5816 FAX. (513) 321-4540	SITE LOCATION MAP SPCC PLAN CVG AIRPORT HEBRON, BOONE COUNTY, KENTUCKY	EXHIBIT 1



REV.	DATE	BY	DESCRIPTION

Terracon
Consulting Engineers and Scientists
611 LUNKEN PARK DRIVE CINCINNATI, OHIO 45226
PH. (513) 321-5816 FAX. (513) 321-4540

SPILL PREVENTION CONTROL AND COUNTERMEASURE PLAN

BULK OIL STORAGE (ASTs, ELEVATORS, AND USTs)

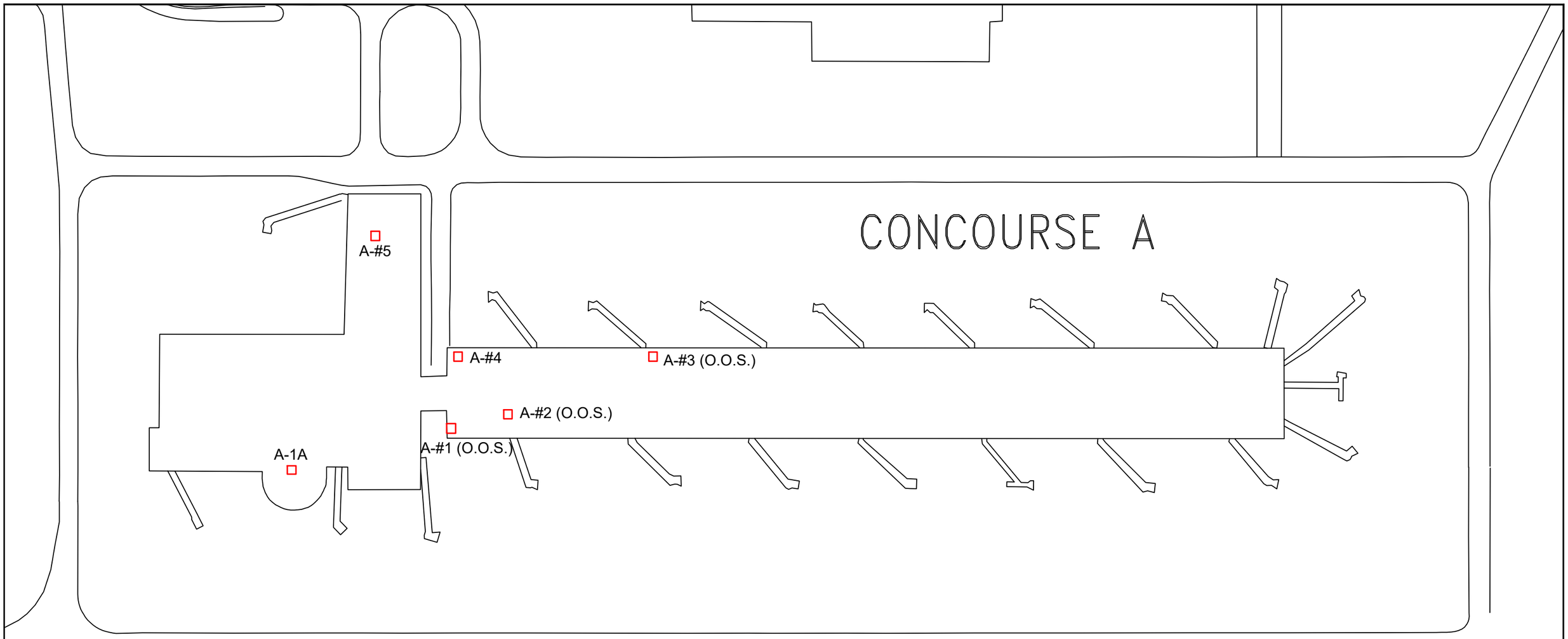
KCAB

CVG AIRPORT

HEBRON, BOONE COUNTY, KENTUCKY

EXHIBIT 2A

DESIGNED BY:	LKE
DRAWN BY:	KM
APPVD. BY:	LKE
SCALE:	AS SHOWN
DATE:	04/29/2020
JOB NO.	N1207077
ACAD NO.	KCAB SPP.DWG
SHEET NO.:	2A



LEGEND

□ KCAB ELEVATOR
(O.O.S.) OUT OF SERVICE

N

120 0 60 120
SCALE IN FEET

REV.	DATE	BY	DESCRIPTION

Terracon
Consulting Engineers and Scientists
611 LUNKEN PARK DRIVE CINCINNATI, OHIO 45226
PH. (513) 321-5816 FAX. (513) 321-4540

SPILL PREVENTION CONTROL AND COUNTERMEASURE PLAN

HYDRAULIC ELEVATORS

KCAB

CVG AIRPORT

HEBRON, BOONE COUNTY, KENTUCKY

EXHIBIT 2A-1

DESIGNED BY:	LKE
DRAWN BY:	KM
APPVD. BY:	LKE
SCALE:	AS SHOWN
DATE:	04/29/2020
JOB NO.	N1207077
ACAD NO.	KCAB SPP.DWG
SHEET NO.:	2A-1

CONCOURSE B

B-#16
B-#14
B-#8
B-#2
B-#4
B-#1
B-#3
B-#6 (DELTA)
B-#7 (DELTA)
B-#5
B-#17
B-#15
B-#12
B-#13

LEGEND

- KCAB ELEVATOR
- DELTA ELEVATOR

N

120 0 60 120

SCALE IN FEET

REV.	DATE	BY	DESCRIPTION

Terracon
Consulting Engineers and Scientists

611 LUNKEN PARK DRIVE CINCINNATI, OHIO 45226
PH. (513) 321-5816 FAX. (513) 321-4540

SPILL PREVENTION CONTROL AND COUNTERMEASURE PLAN

HYDRAULIC ELEVATORS

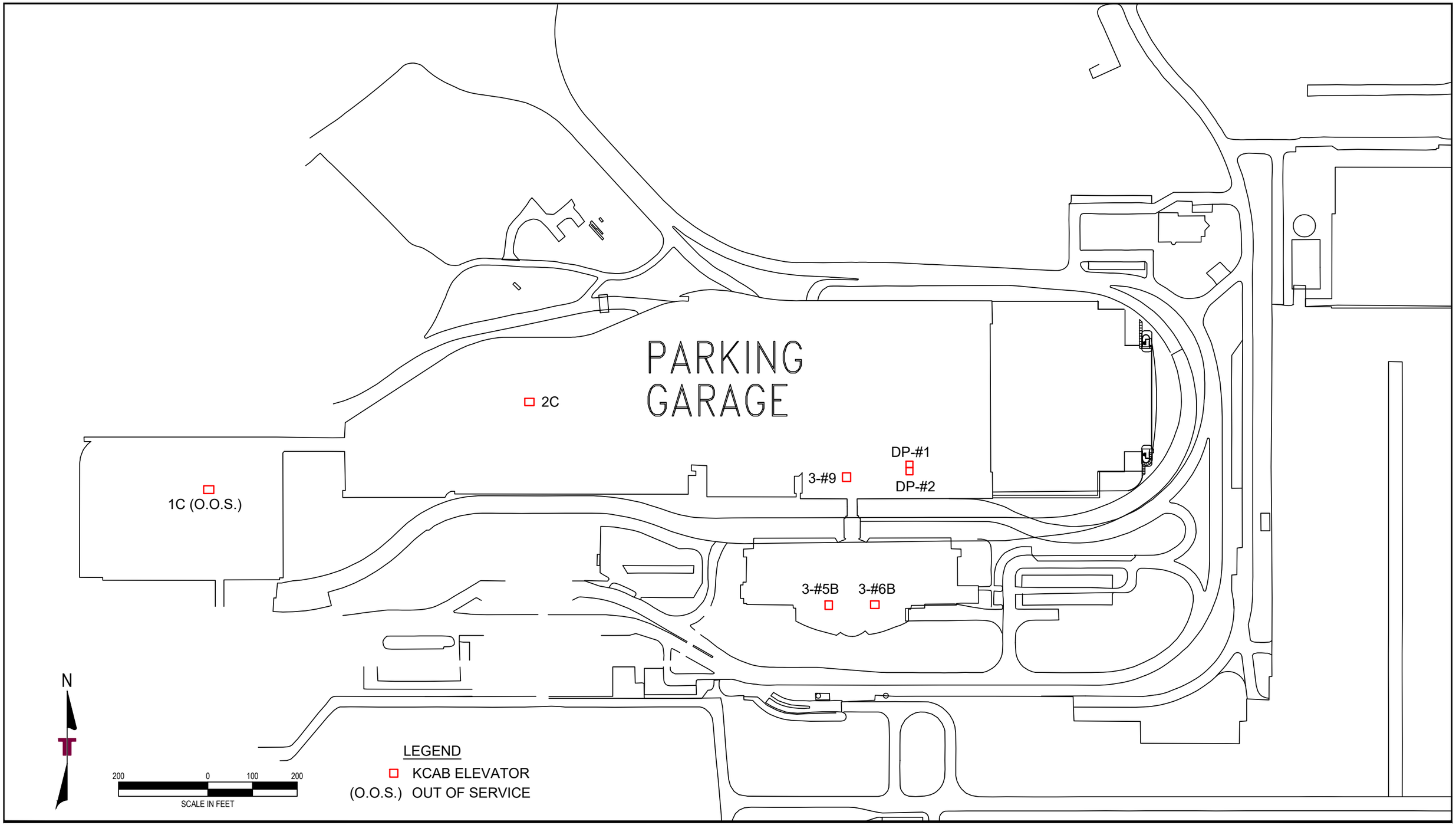
KCAB

CVG AIRPORT

HEBRON, BOONE COUNTY, KENTUCKY

EXHIBIT 2A-2

DESIGNED BY:	LKE
DRAWN BY:	KM
APPVD. BY:	LKE
SCALE:	AS SHOWN
DATE:	04/29/2020
JOB NO.	N1207077
ACAD NO.	KCAB SPP.DWG
SHEET NO.:	2A-2



REV.	DATE	BY	DESCRIPTION

Terracon
Consulting Engineers and Scientists
611 LUNKEN PARK DRIVE CINCINNATI, OHIO 45226
PH. (513) 321-5816 FAX. (513) 321-4540

SPILL PREVENTION CONTROL AND COUNTERMEASURE PLAN

HYDRAULIC ELEVATORS

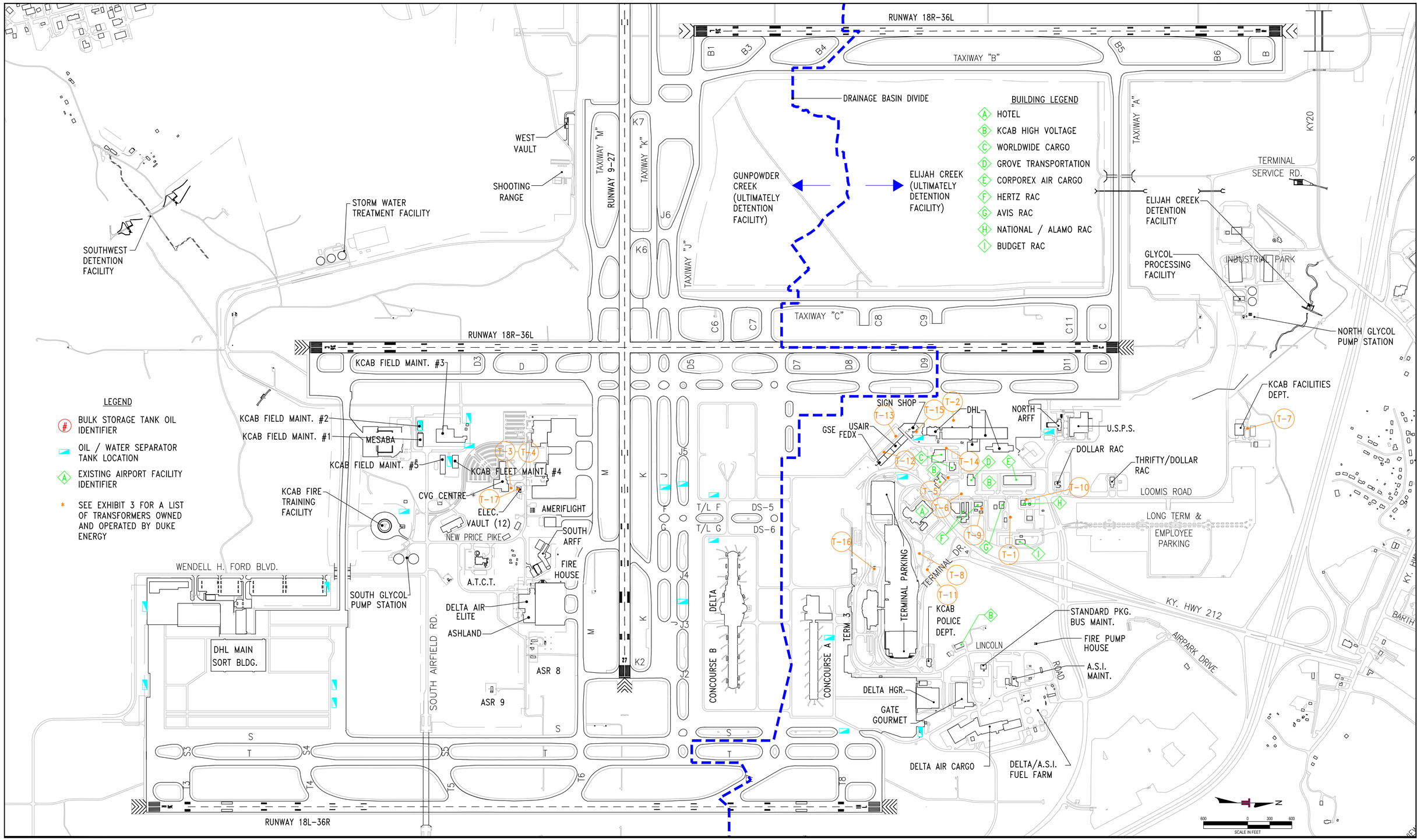
KCAB

CVG AIRPORT

HEBRON, BOONE COUNTY, KENTUCKY

EXHIBIT 2A-3

DESIGNED BY:	LKE
DRAWN BY:	KM
APPVD. BY:	LKE
SCALE:	AS SHOWN
DATE:	04/29/2020
JOB NO.	N1207077
ACAD NO.	KCAB SPP.DWG
SHEET NO.:	2A-3



LEGEND

- (#) BULK STORAGE TANK OIL IDENTIFIER
- OIL / WATER SEPARATOR TANK LOCATION
- (A) EXISTING AIRPORT FACILITY IDENTIFIER
- * SEE EXHIBIT 3 FOR A LIST OF TRANSFORMERS OWNED AND OPERATED BY DUKE ENERGY

REV.	DATE	BY	DESCRIPTION

Terracon
Consulting Engineers and Scientists
611 LUNKEN PARK DRIVE CINCINNATI, OHIO 45226
PH. (513) 321-5816 FAX. (513) 321-4540

SPILL PREVENTION CONTROL AND COUNTERMEASURE PLAN

KCAB ELECTRICAL TRANSFORMERS

KCAB

CVG AIRPORT

HEBRON, BOONE COUNTY, KENTUCKY

EXHIBIT 2B	
DESIGNED BY:	LKE
DRAWN BY:	KM
APPVD. BY:	LKE
SCALE:	AS SHOWN
DATE:	04/29/2020
JOB NO.	N1207077
ACAD NO.	KCAB SPP.DWG
SHEET NO.:	2B

EXHIBIT 3 - DUKE ENERGY TRANSFORMERS
CINCINNATI/NORTHERN KENTUCKY INTERNATIONAL AIRPORT (CVG AIRPORT)

PAD MOUNTED TRANSFORMERS			
FID	**NETWORK_ID**	**Lat**	**Long**
9	H9321890041	39.038105	-84.657108
107	H9320550043	39.025610	-84.645109
175	H9320420041	39.063349	-84.653902
176	H9320420041	39.061429	-84.651202
177	H9320420041	39.060933	-84.649989
178	H9320420041	39.057952	-84.651033
179	H9320420041	39.060860	-84.651766
180	H9320420041	39.060848	-84.653006
187	H9320550043	39.039884	-84.661331
188	H9320550043	39.038813	-84.659411
213	H9320420041	39.060310	-84.652435
214	H9320420041	39.063603	-84.647754
215	H9320420041	39.059658	-84.652957
216	H9320420041	39.061436	-84.654493
218	H9320420041	39.057570	-84.653371
219	H9320420041	39.059466	-84.651130
220	H9320550043	39.039723	-84.660992
221	H9320550043	39.043057	-84.664772
222	H9320550043	39.040892	-84.658106
248	H9320420041	39.058172	-84.652615
249	H9320420041	39.058388	-84.652354
250	H9320420041	39.058891	-84.651440
251	H9320420041	39.058456	-84.650455
252	H9320420041	39.057568	-84.650497
253	H9320420041	39.058858	-84.646102
333	H9322100041	39.031612	-84.670220
339	H9320420041	39.069114	-84.672794
340	H9320420041	39.060819	-84.660124
341	H9320420041	39.062681	-84.661039
342	H9320420041	39.062617	-84.663010
343	H9320420041	39.065444	-84.660913
371	H9320420041	39.067090	-84.670587
372	H9320420041	39.070281	-84.672854
373	H9320420041	39.070956	-84.672387
374	H9320420041	39.069420	-84.673839
561	H9320550043	39.042508	-84.656156
562	H9320550043	39.041611	-84.651615
563	H9320550043	39.045619	-84.647878
564	H9320550043	39.042762	-84.653872
565	H9320550043	39.039872	-84.644378
2185	H9320420041	39.062357	-84.666151
2298	H9321890041	39.039767	-84.663448
2341	H9320420041	39.073941	-84.681340
2342	H9320420041	39.074017	-84.684439
2353	H9322100041	39.035716	-84.671851
2380	H9321520045	39.069051	-84.685742
2381	H9321520045	39.060643	-84.685950
2382	H9321520045	39.058144	-84.685786
2415	H9320420041	39.067865	-84.675492
2550	H9321890041	39.043668	-84.678597
2562	H9320550043	39.038734	-84.659365
2566	H9321890041	39.047973	-84.698095
2572	H9321520045	39.072591	-84.684602

EXHIBIT 3 - DUKE ENERGY TRANSFORMERS
CINCINNATI/NORTHERN KENTUCKY INTERNATIONAL AIRPORT (CVG AIRPORT)

PAD MOUNTED TRANSFORMERS			
FID	**NETWORK_ID**	**Lat**	**Long**
2665	H9320550043	39.038026	-84.664602
2666	H9320550043	39.039622	-84.664145
2667	H9321890041	39.043179	-84.676427
2680	H9320550043	39.043722	-84.660697
2683	H9320550043	39.043267	-84.663209
2709	H9320420041	39.057623	-84.649525
2724	H9321890041	39.030630	-84.657510
2752	H9320550043	39.039888	-84.660028
2765	H9320420041	39.070061	-84.664611
2830	H9320420041	39.062264	-84.666454
2845	H9320550043	39.038599	-84.660916
2856	H9321890041	39.028030	-84.655821
2861	H9321890041	39.025896	-84.656553
2882	H9321890041	39.027833	-84.655820
2908	H9320550043	39.043254	-84.645205
OVERHEAD TRANSFORMERS			
FID	**NETWORK_ID**	**Lat**	**Long**
21	H9320550043	39.039251	-84.657784
57	H9320550043	39.042178	-84.657339
62	H9320420041	39.062343	-84.659542
120	H9320420041	39.064211	-84.662055
136	H9320550043	39.042717	-84.658534
389	H9320420041	39.068747	-84.652156
419	H9320420041	39.067587	-84.652661
515	H9320550043	39.043003	-84.662069
516	H9320550043	39.042833	-84.660888
919	H9320420041	39.061846	-84.661415
938	H9320420041	39.071537	-84.673290
3034	H9322100041	39.028558	-84.675115
3156	H9322100041	39.030602	-84.671385
3171	H9321890041	39.042092	-84.673622
3183	H9320420041	39.062227	-84.664449
3185	H9320420041	39.069625	-84.670258

Appendix A

Criteria of Substantial Harm Determination

Facility Name: Cincinnati / Northern Kentucky International Airport (CVG)
Facility Address: 3087 Terminal Drive, Hebron, Boone County, Kentucky 41048

1. Does the facility transfer oil over water to or from vessels and does the facility have a total oil storage capacity greater than or equal to 42,000 gallons?

Yes ☐ No ☑

2. Does the facility have a total oil storage capacity greater than or equal to 1 million gallons and does the facility lack secondary containment that is sufficiently large to contain the capacity of the largest aboveground oil storage tank plus sufficient freeboard to allow for precipitation within any aboveground storage tank area?

Yes ☐ No ☑

3. Does the facility have a total oil storage capacity greater than or equal to 1 million gallons and is the facility located at a distance (as calculated using the appropriate formula in 40 CFR part 112 Appendix B, Attachment C-III or a comparable formula) such that a discharge from the facility could cause injury to fish and wildlife and sensitive environments?

Yes ☐ No ☑

4. Does the facility have a total oil storage capacity greater than or equal to 1 million gallons and is the facility located at a distance (as calculated using the appropriate formula in 40 CFR part 112 Appendix C, Attachment C-III or a comparable formula) such that a discharge from the facility would shut down a public drinking water intake?

Yes ☐ No ☑

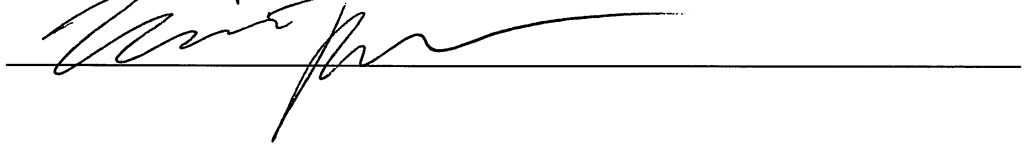
5. Does the facility have a total oil storage capacity greater than or equal to 1 million gallons and has the facility experienced a reportable oil spill in an amount greater than or equal to 10,000 gallons within the last 5 years?

Yes ☐ No ☑

Certification

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document, and that based on my inquiry of those individuals responsible for obtaining this information, I believe that the submitted information is true, accurate, and complete.

Name: MAGGIE PATEL Title: MANAGER OF ENVIRONMENTAL COMPLIANCE

Signature: 

APPENDIX B

Emergency Contacts

In the event of a spill, contact the Airport Operations Center (AOC) – (859) 767-7777 to initiate an Airport Rescue and Firefighting (ARFF) spill response.

The Facility Designated Person is responsible for all discharge notification and reporting requirements as outlined in Section 5.4.

Facility Emergency Response Team	
Airport Rescue and Firefighting (ARFF)	(859) 767-7777
Facility Designated Person (Primary SPCC Contact)[1]	
Manager of Environmental Compliance	(859) 206-9842
National Emergency Response	
National Response Center (NRC)	(800) 424-8802
State Emergency Response	
Kentucky Emergency Response Team (KERT)	(800) 928-2380
Kentucky Emergency Response Commission (KERC)	(800) 255-2587
Emergency Response/Cleanup Contractor	
HEPACO	(877) 816-9111

APPENDIX C

Logs and Inspection Checklists

SPCC Plan Review Log

Scheduled reviews and SPCC Plan amendments will be recorded in the SPCC Plan Review Log below. This log will be completed even if no amendment is made to the SPCC Plan as a result of the review.

By	Date	Amendment Description	P.E. certification required?	P.E. Name	Licensing State: Registration No.
Terracon	August 2017	Update Oil Inventory	Yes	Bruce Rome	18711
Terracon	April 2020	Update Oil Inventory, Spill Response Procedure, SPCC Committee, and other administrative changes	Yes	Ihor Melnyk	17714

APPENDIX D

Bulk Oil Storage Containers and Equipment

KCAB OIL STORAGE INVENTORY
CINCINNATI/NORTHERN KENTUCKY INTERNATIONAL AIRPORT (CVG AIRPORT)

New Exhibit ID	Asset Numbers	Tank / Equipment Type	Storage Capacity (gallons)	Contents	Description	Location	Discharge Prevention & Secondary Containment
E-1	CONV.ELEV.00001	Elevator Hydraulic Reservoir	>55	Hydraulic Fluid	A4, Concourse A	Concourse A	Sorbent Materials
E-2	CONV.ELEV.00002	Elevator Hydraulic Reservoir	>55	Hydraulic Fluid	A-1A, Hub, to Concourse A	Concourse A	Sorbent Materials
E-3	CONV.ELEV.00003	Elevator Hydraulic Reservoir	>55	Hydraulic Fluid	A5, Shuttle area to Concourse A	Concourse A	Sorbent Materials
E-4	CONV.ELEV.00004	Elevator Hydraulic Reservoir	>55	Hydraulic Fluid	B1, Concourse B	Concourse B	Sorbent Materials
E-5	CONV.ELEV.00005	Elevator Hydraulic Reservoir	>55	Hydraulic Fluid	B8, Concourse B	Concourse B	Sorbent Materials
E-6	CONV.ELEV.00006	Elevator Hydraulic Reservoir	>55	Hydraulic Fluid	B6, Concourse B (DELTA)[1]	Concourse B	Sorbent Materials
E-7	CONV.ELEV.00007	Elevator Hydraulic Reservoir	>55	Hydraulic Fluid	B2, Concourse B	Concourse B	Sorbent Materials
E-8	CONV.ELEV.00008	Elevator Hydraulic Reservoir	>55	Hydraulic Fluid	B4, Concourse B	Concourse B	Sorbent Materials
E-9	CONV.ELEV.00009	Elevator Hydraulic Reservoir	>55	Hydraulic Fluid	B5, Concourse B	Concourse B	Sorbent Materials
E-10	CONV.ELEV.00010	Elevator Hydraulic Reservoir	>55	Hydraulic Fluid	B7, Concourse B (DELTA)[1]	Concourse B	Sorbent Materials
E-11	CONV.ELEV.00011	Elevator Hydraulic Reservoir	>55	Hydraulic Fluid	B3, Concourse B	Concourse B	Sorbent Materials
E-12	CONV.ELEV.00012	Elevator Hydraulic Reservoir	>55	Hydraulic Fluid	B16, Concourse B	Concourse B	Sorbent Materials
E-13	CONV.ELEV.00013	Elevator Hydraulic Reservoir	>55	Hydraulic Fluid	B17, Concourse B	Concourse B	Sorbent Materials
E-14	CONV.ELEV.00014	Elevator Hydraulic Reservoir	>55	Hydraulic Fluid	B13, Concourse B	Concourse B	Sorbent Materials
E-15	CONV.ELEV.00015	Elevator Hydraulic Reservoir	>55	Hydraulic Fluid	B12, Concourse B	Concourse B	Sorbent Materials
E-16	CONV.ELEV.00016	Elevator Hydraulic Reservoir	>55	Hydraulic Fluid	B14, Concourse B	Concourse B	Sorbent Materials
E-17	CONV.ELEV.00017	Elevator Hydraulic Reservoir	>55	Hydraulic Fluid	B15, Concourse B	Concourse B	Sorbent Materials
E-18	CONV.ELEV.00019	Elevator Hydraulic Reservoir	>55	Hydraulic Fluid	2C, T2 Parking Garage	Terminal 2 Parking Garage	Sorbent Materials
E-19	CONV.ELEV.00020	Elevator Hydraulic Reservoir	>55	Hydraulic Fluid	3-9, AGT to Garage	West Garage	Sorbent Materials
E-20	CONV.ELEV.00021	Elevator Hydraulic Reservoir	>55	Hydraulic Fluid	3-6B, Terminal 3	Terminal 3	Sorbent Materials
E-21	CONV.ELEV.00022	Elevator Hydraulic Reservoir	>55	Hydraulic Fluid	3-5B, Terminal 3	Terminal 3	Sorbent Materials
E-22	CONV.ELEV.00025	Elevator Hydraulic Reservoir	>55	Hydraulic Fluid	DP-1, Terminal Parking Garage	Short Term Parking	Sorbent Materials
E-23	CONV.ELEV.00026	Elevator Hydraulic Reservoir	>55	Hydraulic Fluid	DP-2, Terminal Parking Garage	Short Term Parking	Sorbent Materials
E-24	CONV.ELEV.00027	Elevator Hydraulic Reservoir	>55	Hydraulic Fluid	A-2, Concourse A	Concourse A	Sorbent Materials
E-25	CONV.ELEV.00028	Elevator Hydraulic Reservoir	>55	Hydraulic Fluid	A-3, Concourse A	Concourse A	Sorbent Materials
E-26	CONV.ELEV.00029	Elevator Hydraulic Reservoir	>55	Hydraulic Fluid	PD-1, Police Department	KCAB Police Department	Sorbent Materials
E-27	CONV.ELEV.00030	Elevator Hydraulic Reservoir	>55	Hydraulic Fluid	NFH-1, North Fire House	North ARFF Station	Sorbent Materials
E-28	CONV.ELEV.00031	Elevator Hydraulic Reservoir	>55	Hydraulic Fluid	A-1, Concourse A Club Level	Concourse A	Sorbent Materials
E-29	CONV.ELEV.00037	Elevator Hydraulic Reservoir	>55	Hydraulic Fluid	OF-3, Office facility	Office facility	Sorbent Materials
E-30		Elevator Hydraulic Reservoir	>55	Hydraulic Fluid	1C, T1 Parking Garage (O.O.S)	Terminal 1 Parking Garage	Sorbent Materials
		Total Oil Storage Capacity	**>1,650**				

[1]Operated by Delta; not included in KCAB SPCC Oil Inventory
(O.O.S) Out of Service

KCAB OIL STORAGE INVENTORY
CINCINNATI/NORTHERN KENTUCKY INTERNATIONAL AIRPORT (CVG AIRPORT)

New Exhibit ID	Asset Numbers	Tank / Equipment Type	Storage Capacity (gallons)	Contents	Description	Discharge Prevention & Secondary Containment
T-1	ELEC.XFMR.00010	Transformer	>55	Dielectric Oil	Avis (TF-14)	See Section 3.13
T-2	ELEC.XFMR.00019	Transformer	>55	Dielectric Oil	Common Use Apron (001RP+09XDTA)	See Section 3.13
T-3	ELEC.XFMR.00017	Transformer	>55	Dielectric Oil	CVG Center	See Section 3.13
T-4	ELEC.XFMR.00018	Transformer	>55	Dielectric Oil	CVG Center (Close to Building)	See Section 3.13
T-5	ELEC.XFMR.00014	Transformer	>55	Dielectric Oil	Dobbs (BMW) (TF-19)	Inside Building
T-6	ELEC.XFMR.00001	Transformer	>55	Dielectric Oil	Emery/Grove (TF-18)	See Section 3.13
T-7	ELEC.XFMR.00015	Transformer	400	Dielectric Oil	Facilities Department (TF-20)	See Section 3.13
T-8	ELEC.XFMR.00006	Transformer	120	Dielectric Oil	Old Fountain Area (TF-1)	See Section 3.13
T-9	ELEC.XFMR.00011	Transformer	>55	Dielectric Oil	Hertz (TF-15)	See Section 3.13
T-10	ELEC.XFMR.00012	Transformer	260	Dielectric Oil	National (TF-16)	See Section 3.13
T-11	ELEC.XFMR.00007	Transformer	163	Dielectric Oil	North Switch Gear (TF-8)	See Section 3.13
T-12	ELEC.XFMR.00004	Transformer	140	Dielectric Oil	Old Cargo East (TF-2)	See Section 3.13
T-13	ELEC.XFMR.00005	Transformer	120	Dielectric Oil	Old Cargo West (TF-7)	See Section 3.13
T-14	ELEC.XFMR.00013	Transformer	161	Dielectric Oil	Old Post Office (TF-17)	See Section 3.13
T-15	ELEC.XFMR.00009	Transformer	>55	Dielectric Oil	Sign Shop (TF-13)	Inside Building
T-16		Transformer	272	Dielectric Oil	Terminal 2 Bag V C-4	See Section 3.13
T-17	ELEC.XFMR.00008	Transformer	430	Dielectric Oil	V-12 (TF-9)	See Section 3.13
T-18	ELEC.XFMR.00016	Transformer	370	Dielectric Oil	Transformer 31	See Section 3.13
T-19	ELEC.XFMR.00020	Transformer	490	Mineral Oil	Spare at Facilities	See Section 3.13
	ELEC.XFMR.00002	Transformer	-	Dry Type	Transformer 30	
	ELEC.XFMR.00003	Transformer	<55	Dielectric Oil	FEAM (TF-12)	
		Total Oil Storage Capacity	**>3,366**			

Not included in SPCC Inventory

KCAB OIL STORAGE INVENTORY
CINCINNATI/NORTHERN KENTUCKY INTERNATIONAL AIRPORT (CVG AIRPORT)

New Exhibit ID	Asset Numbers	Tank / Equipment Type	Storage Capacity (gallons)	Contents	Description	Location	Discharge Prevention & Secondary Containment
A-1		AST	10,000	ARFF Training Fuel	10,000-gallon Fuel Tank	ARFF Training Center	Concrete Dike (22.5 x 56.08 x 1.29) w/ OWS
A-2		AST	2,000	Diesel	Fuel Tank - Feeds EG-18 & EG-19	Terminal 3	Double Wall Tank
A-3		AST	200	Diesel	Fuel Tank - Feeds Fire Pump	Fire Pump House	Sorbent Materials
A-4	TANK.STORAGE.00001	AST	400	Used Oil	400-gallon Used Oil AST	Fleet Maintenance (Building #4)	Double Wall Tank, OWS
A-5	TANK.STORAGE.00003	AST	275	15W-40	275-gallon 15W-40 AST	Fleet Maintenance (Building #4)	Double Wall Tank, OWS
A-6	TANK.STORAGE.00004	AST	275	5W-30	275-gallon 5W-30 AST	Fleet Maintenance (Building #4)	Double Wall Tank, OWS
A-7	TANK.STORAGE.00005	AST	275	5W-20	275-gallon 5W-20 AST	Fleet Maintenance (Building #4)	Double Wall Tank, OWS
A-8	TANK.STORAGE.00006	AST	275	ATF	275-gallon A&F AST	Fleet Maintenance (Building #4)	Double Wall Tank, OWS
A-9	TANK.STORAGE.00007	AST	275	Hydraulic Fluid	275-gallon Hydraulic Fluid AST	Fleet Maintenance (Building #4)	Double Wall Tank, OWS
A-10	TANK.STORAGE.00030	AST	10,000	Diesel	10,000-gallon Fuel Tank	North ARFF Station	Double Wall Tank
A-11	TANK.STORAGE.00002	AST	275	Antifreeze	275-gallon A&F AST	Fleet Maintenance (Building #4)	Double Wall Tank, OWS
A-12		Compressor Hydraulic Reservoir	85	Hydraulic Fluid	Inside Glycol Processing and Recycling Building	Glycol Processing & Recycling Building	Sorbent Materials
A-13		Emergency Generator Day Tank	123	Diesel	Feeds EG-17	Concourse A Near Gate A-3	Inside Concrete Dike (9.1'x5.8'x4.5')
A-14		Emergency Generator Day Tank	58	Diesel	Feeds EG-31	Concourse A Near Gate A-3	Inside Secondary Containment (2.2'x1.9'x3')
		Emergency Generator Day Tank	<55	Diesel	Feeds EG-11	Concourse A Near Gate A-13	N/A
		Emergency Generator Day Tank	<55	Diesel	Feeds EG-30	Concourse A Near Gate A-13	N/A
A-15		Emergency Generator Day Tank	275	Diesel	Feeds EG-14 & EG-15	Concourse B	Inside Concrete Dike (12'x3.6'x1.5')
		Emergency Generator Day Tank	<55	Diesel	Feeds EG-07	South Airfield Tunnel	N/A
		Emergency Generator Day Tank	<55	Diesel	Feeds EG-08	South ARFF Station	N/A
A-16		Emergency Generator Day Tank	275	Diesel	Feeds EG-18 & EG-19	Terminal 3	Concrete Dike (9.5'x3.5'x2.6')
A-17		Emergency Generator Day Tank	200	Diesel	Feeds EG-09 or EG-10	Vault 12	Double Wall Tank
A-18		Emergency Generator Day Tank	178	Diesel	Feeds EG-23	West Vault	Double Wall tank
A-19	ELEC.GENR.00020	Emergency Generator Fuel Tank	500	Diesel	ARFF Training Center (EG-29)	ARFF Training Center	Double Wall Tank

KCAB OIL STORAGE INVENTORY
CINCINNATI/NORTHERN KENTUCKY INTERNATIONAL AIRPORT (CVG AIRPORT)

New Exhibit ID	Asset Numbers	Tank / Equipment Type	Storage Capacity (gallons)	Contents	Description	Location	Discharge Prevention & Secondary Containment
A-20	ELEC.GENR.00019	Emergency Generator Fuel Tank	750	Diesel	CVG Center (EG-28)	CVG Center	Double Wall Tank
A-21	ELEC.GENR.00004	Emergency Generator Fuel Tank	240	Diesel	Airfield (EG-12)	Deicing Pad No. 7	Double Wall Tank
A-22	ELEC.GENR.00030	Emergency Generator Fuel Tank	127	Diesel	KY-20 Tunnel (EG-27)	EG-27/KY-20 (Tunnel #3)	Double Wall Tank
A-23	ELEC.GENR.00012	Emergency Generator Fuel Tank	200	Diesel	Field Maintenance (EG-20)	Field Maintenance (Building #3)	Double Wall Tank
A-24	ELEC.GENR.00016	Emergency Generator Fuel Tank	366	Diesel	Behind Fleet Maintenance (EG-24)	Fleet Maintenance (Building #4)	Double Wall Tank
A-25	ELEC.GENR.00005	Emergency Generator Fuel Tank	250	Diesel	Inside High Voltage Building (EG-13)	High Voltage Building	Inside Concrete Dike (4'x7'x16")
A-26	ELEC.GENR.00024	Emergency Generator Fuel Tank	1,044	Diesel	Outside Police Department (EG-05)	KCAB Police Department	Double Wall Tank
A-27	ELEC.GENR.00013	Emergency Generator Fuel Tank	185	Diesel	Value Park (EG-21)	Long Term Parking	Double Wall Tank
A-28	ELEC.GENR.00018	Emergency Generator Fuel Tank	1,000	Diesel	N. ARFF Station (EG-26)	North ARFF Station	Double Wall Tank
A-29	ELEC.GENR.00014	Emergency Generator Fuel Tank	270	Diesel	Glycol Recycling (EG-22)	North Glycol Pump Station	Double Wall Tank
A-30	ELEC.GENR.00023	Emergency Generator Fuel Tank	200	Diesel	Terminal Parking Garage (EG-04)	Short Term Parking	Double Wall Tank
A-31	ELEC.GENR.00011	Emergency Generator Fuel Tank	220	Diesel	Short Term Plaza Entrance (EG-2)	Short Term Plaza Entrance	Double Wall Tank
A-32	ELEC.GENR.00025	Emergency Generator Fuel Tank	250	Diesel	Outside Sign Shop (EG-06)	Sign Shop	Double Wall Tank Level Gauge & Leak Detection Alarm
A-33	ELEC.GENR.00032	Emergency Generator Fuel Tank	1,000	Diesel	3 Million Gallon Storage Tanks (EG-32)	South Glycol Pump Station	Double Wall Tank
A-34		Fulton Hot Oil Boiler	300	Parathermic Oil	Inside Glycol Processing and Recycling Building	Glycol Processing & Recycling Building	Sorbent Materials
A-35	GPT.BLWR.00001	KA-10 Blower Hydraulic Reservoir	76	Hydraulic Fluid	Centrifugal Blower 1	Storm Water Treatment Facility	Double Wall Tank, Sorbent Materials
A-36	GPT.BLWR.00004	KA-10A Blower Hydraulic Reservoir	76	Hydraulic Fluid	Centrifugal Blower 4	Storm Water Treatment Facility	Double Wall Tank, Sorbent Materials
A-37	GPT.BLWR.00002	KA-5 Blower Hydraulic Reservoir	72	Hydraulic Fluid	Centrifugal Blower 2	Storm Water Treatment Facility	Double Wall Tank, Sorbent Materials
A-38	GPT.BLWR.00003	KA-5A Blower Hydraulic Reservoir	72	Hydraulic Fluid	Centrifugal Blower 3	Storm Water Treatment Facility	Double Wall Tank, Sorbent Materials
		Total Oil Storage Capacity	**32,643**				

[1]Operated by Delta; not included in KCAB SPCC Oil Inventory

(O.O.S) Out of Service

KCAB OIL STORAGE INVENTORY
CINCINNATI/NORTHERN KENTUCKY INTERNATIONAL AIRPORT (CVG AIRPORT)

New Exhibit ID	Asset Numbers	Tank / Equipment Type	Storage Capacity (gallons)	Contents	Description	Location	Discharge Prevention & Secondary Containment
P-1		Steel Drum(s)	55	Hydraulic Fluid	Inside KONE Maintenance Office	Concourse B	Sorbent Materials
P-6		Tote(s)	250	Used Oil	IBC Tote (as needed)	Fleet Maintenance (Building #4)	Sorbent Materials, OWS
P-7		Tote(s)	220	Antifreeze	IBC Tote	Fleet Maintenance (Building #4)	Sorbent Materials, OWS
P-2		Steel Drum(s)	275-550	Various Oils	Various oils stored in 55-gallon drums	Fleet Maintenance (Building #4)	Sorbent Materials, OWS
P-3		Steel Drum(s)	550-1,100	Various Oils	Various oils stored in 55-gallon drums	Outdoor Container at Fleet Maintenance (Building #4)	Sorbent Materials, OWS
P-4		Steel Drum(s)	220	Used Oil	Maximum of four (4) 55-gallon drums	Storm Water Treatment Facility	Containment Shed; Sorbent Materials
P-5		Steel Drum(s)	220	Oil	Maximum of four (4) 55-gallon drums	Storm Water Treatment Facility	Containment Shed; Sorbent Materials
M-1	VEHI.PUTK.653.2008	Mobile Refueler	110	Diesel	Pickup - Truck 403	Field Maintenance (Building #3)	Sorbent Materials
M-2	VEHI.UTLTK.1415.2016	Mobile Refueler	110	Diesel	F-150 with Crane Body - Truck 206	Field Maintenance (Building #5)	Sorbent Materials
M-3	VEHI.PUTK.513.2005	Mobile Refueler	100	Gasoline/Diesel	Pickup - Truck 716	Facility Maintenance Building	Sorbent Materials
		Total Oil Storage Capacity	**2,935**				

[1]Operated by Delta; not included in KCAB SPCC Oil Inventory
(O.O.S) Out of Service

KCAB OIL STORAGE INVENTORY
CINCINNATI/NORTHERN KENTUCKY INTERNATIONAL AIRPORT (CVG AIRPORT)

New Exhibit ID	Asset Numbers	Tank / Equipment Type	Storage Capacity (gallons)	Contents	Description	Location	Discharge Prevention & Secondary Containment
U-1	TANK.STORAGE.00035	UST (Registered by State)	2000	Diesel	Feeds EG-17 & EG-31; FRP Double Wall Tank, Steel Pipe/ Concourse A Near Gate A-39 (A Hub)	Concourse A	Within AOA; External Corrosion Protection - FRP; Detection - Automatic Tank Gauging (ATG); Veeder-Root Detection System; Double Wall Tank
U-2	TANK.STORAGE.00038	UST (Registered by State)	400	Diesel	Fuel Tank - Feeds EG-11 & EG-30	Concourse A, Near Gate A-13	Within AOA; External Corrosion Protection - FRP; Overfill Prevention - Automatic Shutoff Device @ 95% Full (ASD); Pipe External Corrosion Protection - Coating & Cathodic Protection; Double Wall Tank
U-3	TANK.STORAGE.00036	UST (Registered by State)	2,000	Diesel	Fuel Tank - Feeds EG-14 & EG-15	Concourse B	Within AOA; External Corrosion Protection - FRP; Detection - Automatic Tank Gauging (ATG); Veeder-Root TLS-350 Detection System; Double Wall Tank
U-4	TANK.STORAGE.00026	UST (Registered by State)	5,000	Diesel	Fuel Tank	Field Maintenance (Building #3)	Vender Root System Level and Leak Detection System
U-5	TANK.STORAGE.00027	UST (Registered by State)	20,000	Diesel	Fuel Tank	Field Maintenance (Building #3)	Vender Root System Level and Leak Detection System
U-6	TANK.STORAGE.00028	UST (Registered by State)	20,000	Diesel	Fuel Tank	Field Maintenance (Building #3)	Vender Root System Level and Leak Detection System
U-7	TANK.STORAGE.00029	UST (Registered by State)	20,000	Unleaded Gasoline	Fuel Tank	Field Maintenance (Building #3)	Vender Root System Level and Leak Detection System
U-8	TANK.STORAGE.00034	UST (Registered by State)	550	Diesel	Fuel Tank - Feeds EG-07	South Airfield Tunnel	External Corrosion Protection - FRP; Overfill Prevention - Automatic Shutoff Device @ 95% Full (ASD)
U-9	TANK.STORAGE.00031	UST (Registered by State)	1,000	Diesel	Fuel Tank - Feeds EG-08	South ARFF Station	External Corrosion Protection - FRP; Detection - Automatic Tank Gauging (ATG); Overfill Prevention - Automatic Shutoff Device @ 95% Full (ASD); Pipe equipped with Automatic Line Leak Detector (ALD)
U-10	TANK.STORAGE.00032	UST (Registered by State)	4,000	Diesel	Fuel Tank - Feeds EG-09 & EG-10	Vault 12	External Corrosion Protection - Coating & Cathodic Protection (CCP); Detection - Automatic Tank Gauging (ATG); Overfill Prevention - Automatic Shutoff Device @ 95% Full (ASD); TS-750 Tank Sentinel Leak Detection System
U-11	TANK.STORAGE.00033	UST (Registered by State)	4,000	Diesel	Fuel Tank - Feeds EG-23	West Vault	Double Wall tank
		Total Oil Storage Capacity[1]	**78,950**				

[1]Exempt from SPCC; not included in SPCC Threshold.
(O.O.S) Out of Service

APPENDIX E

SPCC Plan Cross Reference Table

Provision	SPCC Plan Section	Location
112.3(d)	Professional Engineer Certification	Section 1.3
112.3(d)(6)	Wastewater Treatment	Section 2.3
112.3(e)(1), (2)	Location of SPCC Plan	Section 1.4
112.4(a)	Reporting Requirements	Sections 3.15, 5.4.2
112.5	SPCC Plan Review	Section 1.5
112.5(a)	Changes in Facility Configuration	Section 1.5.1
112.5(b), (c)	Scheduled SPCC Plan Reviews SPCC Plan Review Log	Section 1.5.2 Appendix C
112.7	Management Approval	Section 1.1
112.7	Cross-Reference with SPCC Provisions SPCC Plan Cross-Reference Table	Section 3.1 Appendix E
112.7(a)(1), (2)	Compliance with Applicable Requirements	Section 3.2
112.7(a)(3)	Facility Description Exhibits	Section 2.1 Exhibits
112.7(a)(3)(i)	Oil Storage Bulk Oil Storage Containers and Equipment	Section 2.2 Appendix D
112.7(a)(3)(ii)	Discharge Prevention Measures	Section 3.3
112.7(a)(3)(iv)	Discharge Response	Sections 5.1, 5.2
112.7(a)(3)(v)	Waste Disposal	Section 5.3
112.7(a)(3)(vi)	Emergency Contacts	Appendix B
112.7(a)(4)	Notification Requirements	Section 3.15, 5.4.1
112.7(a)(5)	SPCC Plan Organization	Section 3.1
112.7(b)	Potential Discharge Volumes and Direction of Flow	Section 3.4, Appendix F
112.7(c)	Containment and Diversionary Structures	Section 3.5
112.7(d)	Practicability of Secondary Containment	Section 3.6
112.7(e)	Inspections, Tests, and Records Inspection and Testing Program Logs and Inspection Checklists	Section 3.7 Appendix G Appendix C
112.7(f)(1), (3)	Personnel, Training, and Discharge Prevention Procedures Record of Annual Discharge Prevention Briefings and Training	Section 3.8 Electronic Records
112.7(f)(2)	Designated Person	Section 1.2
112.7(g)	Security	Section 3.9

Provision	SPCC Plan Section	Location
112.7(h)	Tank Truck Loading/Unloading Rack Requirements	Section 3.10
112.7(i)	Field-Constructed Aboveground Containers	Section 3.11
112.7(j)	Conformance with Applicable State and Local Requirements	Section 3.12
112.7(k)	Qualified Oil-Filled Operational Equipment	Section 3.13
112.8(a)	General Requirements	Section 4.1
112.8(b)	Facility Drainage	Section 4.2
112.8(b)(2)	Valve Design	Section 4.2
112.8(b)(3)	Drainage from Undiked Areas	Section 4.2
112.8(b)(4)	Diversion Systems	Section 4.2
112.8(b)(5)	Drainage Treatment Units	Section 4.2
112.8(c)(1)	Bulk Storage Containers	Section 4.3
112.8(c)(2)	Secondary Containment	Section 4.4
112.8(c)(3)	Drainage of Diked Areas	Section 4.5
112.8(c)(4)	Completely Buried Metallic Storage Tanks	Section 4.6
121.8(c)(5)	Partially Buried or Bunkered Storage Tanks	Section 4.7
112.8(c)(6)	Inspections and Tests	Section 4.8
112.8(c)(7)	Heating Coils	Section 4.9
112.8(c)(8)	Overfill Prevention	Section 4.10
112.8(c)(9)	Effluent Treatment Facilities	Section 4.11
112.8(c)(10)	Visible Discharges	Section 4.12
112.8(c)(11)	Mobile and Portable Containers	Section 4.13
112.8(d)	Transfer Operations, Pumping, and In-Plant Processes	Section 4.14
112.20(e)	Criteria of Substantial Harm Determination	Appendix A

* Only selected excerpts of relevant rule text are provided. For a complete list of SPCC requirements, refer to the full text of 40 CFR 112.

APPENDIX F

Potential Discharge Volume and Direction of Flow

POTENTIAL DISCHARGE VOLUME AND DIRECTION OF FLOW
CINCINNATI/NORTHERN KENTUCKY INTERNATIONAL AIRPORT (CVG AIRPORT)

New Exhibit ID	Asset Numbers	Tank / Equipment Type	Storage Capacity (gallons)	Contents	Description	Maximum Discharge Rate* (gpm)	Direction of Flow
E-1	CONV.ELEV.00001	Elevator Hydraulic Reservoir	>55	Hydraulic Fluid	A4, Concourse A	11	Inside Equipment Room
E-2	CONV.ELEV.00002	Elevator Hydraulic Reservoir	>55	Hydraulic Fluid	A-1A, Hub, to Concourse A	11	Inside Equipment Room
E-3	CONV.ELEV.00003	Elevator Hydraulic Reservoir	>55	Hydraulic Fluid	A5, Shuttle area to Concourse A	11	Inside Equipment Room
E-4	CONV.ELEV.00004	Elevator Hydraulic Reservoir	>55	Hydraulic Fluid	B1, Concourse B	11	Inside Equipment Room
E-5	CONV.ELEV.00005	Elevator Hydraulic Reservoir	>55	Hydraulic Fluid	B8, Concourse B	11	Inside Equipment Room
E-6	CONV.ELEV.00006	Elevator Hydraulic Reservoir	>55	Hydraulic Fluid	B6, Concourse B (DELTA)[1]	11	Inside Equipment Room
E-7	CONV.ELEV.00007	Elevator Hydraulic Reservoir	>55	Hydraulic Fluid	B2, Concourse B	11	Inside Equipment Room
E-8	CONV.ELEV.00008	Elevator Hydraulic Reservoir	>55	Hydraulic Fluid	B4, Concourse B	11	Inside Equipment Room
E-9	CONV.ELEV.00009	Elevator Hydraulic Reservoir	>55	Hydraulic Fluid	B5, Concourse B	11	Inside Equipment Room
E-10	CONV.ELEV.00010	Elevator Hydraulic Reservoir	>55	Hydraulic Fluid	B7, Concourse B (DELTA)[1]	11	Inside Equipment Room
E-11	CONV.ELEV.00011	Elevator Hydraulic Reservoir	>55	Hydraulic Fluid	B3, Concourse B	11	Inside Equipment Room
E-12	CONV.ELEV.00012	Elevator Hydraulic Reservoir	>55	Hydraulic Fluid	B16, Concourse B	11	Inside Equipment Room
E-13	CONV.ELEV.00013	Elevator Hydraulic Reservoir	>55	Hydraulic Fluid	B17, Concourse B	11	Inside Equipment Room
E-14	CONV.ELEV.00014	Elevator Hydraulic Reservoir	>55	Hydraulic Fluid	B13, Concourse B	11	Inside Equipment Room
E-15	CONV.ELEV.00015	Elevator Hydraulic Reservoir	>55	Hydraulic Fluid	B12, Concourse B	11	Inside Equipment Room
E-16	CONV.ELEV.00016	Elevator Hydraulic Reservoir	>55	Hydraulic Fluid	B14, Concourse B	11	Inside Equipment Room
E-17	CONV.ELEV.00017	Elevator Hydraulic Reservoir	>55	Hydraulic Fluid	B15, Concourse B	11	Inside Equipment Room
E-18	CONV.ELEV.00019	Elevator Hydraulic Reservoir	>55	Hydraulic Fluid	2C, T2 Parking Garage	11	Inside Equipment Room
E-19	CONV.ELEV.00020	Elevator Hydraulic Reservoir	>55	Hydraulic Fluid	3-9, AGT to Garage	11	Inside Equipment Room

POTENTIAL DISCHARGE VOLUME AND DIRECTION OF FLOW
CINCINNATI/NORTHERN KENTUCKY INTERNATIONAL AIRPORT (CVG AIRPORT)

New Exhibit ID	Asset Numbers	Tank / Equipment Type	Storage Capacity (gallons)	Contents	Description	Maximum Discharge Rate* (gpm)	Direction of Flow
E-20	CONV.ELEV.00021	Elevator Hydraulic Reservoir	>55	Hydraulic Fluid	3-6B, Terminal 3	11	Inside Equipment Room
E-21	CONV.ELEV.00022	Elevator Hydraulic Reservoir	>55	Hydraulic Fluid	3-5B, Terminal 3	11	Inside Equipment Room
E-22	CONV.ELEV.00025	Elevator Hydraulic Reservoir	>55	Hydraulic Fluid	DP-1, Terminal Parking Garage	11	Inside Equipment Room
E-23	CONV.ELEV.00026	Elevator Hydraulic Reservoir	>55	Hydraulic Fluid	DP-2, Terminal Parking Garage	11	Inside Equipment Room
E-24	CONV.ELEV.00027	Elevator Hydraulic Reservoir	>55	Hydraulic Fluid	A-2, Concourse A	11	Inside Equipment Room
E-25	CONV.ELEV.00028	Elevator Hydraulic Reservoir	>55	Hydraulic Fluid	A-3, Concourse A	11	Inside Equipment Room
E-26	CONV.ELEV.00029	Elevator Hydraulic Reservoir	>55	Hydraulic Fluid	PD-1, Police Department	11	Inside Equipment Room
E-27	CONV.ELEV.00030	Elevator Hydraulic Reservoir	>55	Hydraulic Fluid	NFH-1, North Fire House	11	Inside Equipment Room
E-28	CONV.ELEV.00031	Elevator Hydraulic Reservoir	>55	Hydraulic Fluid	A-1, Concourse A Club Level	11	Inside Equipment Room
E-29	CONV.ELEV.00037	Elevator Hydraulic Reservoir	>55	Hydraulic Fluid	OF-3, Office facility	11	Inside Equipment Room
E-30		Elevator Hydraulic Reservoir	>55	Hydraulic Fluid	1C, T1 Parking Garage (O.O.S)	11	Inside Equipment Room

*Based on an estimated five (5) minutes of discharge of the maximum potential volume.

[1]Operated by Delta; not included in KCAB SPCC Oil Inventory

(O.O.S) Out of Service

Not included in SPCC Inventory

POTENTIAL DISCHARGE VOLUME AND DIRECTION OF FLOW
CINCINNATI/NORTHERN KENTUCKY INTERNATIONAL AIRPORT (CVG AIRPORT)

New Exhibit ID	Asset Numbers	Tank / Equipment Type	Storage Capacity (gallons)	Contents	Description	Maximum Discharge Rate* (gpm)	Direction of Flow
U-1	TANK.STORAGE.00035	UST (Registered by State)	2000	Diesel	Feeds EG-17 & EG-31; FRP Double Wall Tank, Steel Pipe/ Concourse A Near Gate A-39 (A Hub)	400	Inside Double Wall Tank
U-2	TANK.STORAGE.00038	UST (Registered by State)	400	Diesel	Fuel Tank - Feeds EG-11 & EG-30	80	Inside Double Wall Tank
U-3	TANK.STORAGE.00036	UST (Registered by State)	2,000	Diesel	Fuel Tank - Feeds EG-14 & EG-15	400	Inside Double Wall Tank
U-4	TANK.STORAGE.00026	UST (Registered by State)	5,000	Diesel	Fuel Tank	1,000	Inside Double Wall Tank
U-5	TANK.STORAGE.00027	UST (Registered by State)	20,000	Diesel	Fuel Tank	4,000	Inside Double Wall Tank
U-6	TANK.STORAGE.00028	UST (Registered by State)	20,000	Diesel	Fuel Tank	4,000	Inside Double Wall Tank
U-7	TANK.STORAGE.00029	UST (Registered by State)	20,000	Unleaded Gasoline	Fuel Tank	4,000	Inside Double Wall Tank
U-8	TANK.STORAGE.00034	UST (Registered by State)	550	Diesel	Fuel Tank - Feeds EG-07	110	Inside Double Wall Tank
U-9	TANK.STORAGE.00031	UST (Registered by State)	1,000	Diesel	Fuel Tank - Feeds EG-08	200	Inside Double Wall Tank
U-10	TANK.STORAGE.00032	UST (Registered by State)	4,000	Diesel	Fuel Tank - Feeds EG-09 & EG-10	800	Inside Double Wall Tank
U-11	TANK.STORAGE.00033	UST (Registered by State)	4,000	Diesel	Fuel Tank - Feeds EG-23	800	Inside Double Wall Tank

*Based on an estimated five (5) minutes of discharge of the maximum potential volume.

[1]Operated by Delta; not included in KCAB SPCC Oil Inventory

(O.O.S) Out of Service

Not included in SPCC Inventory

POTENTIAL DISCHARGE VOLUME AND DIRECTION OF FLOW
CINCINNATI/NORTHERN KENTUCKY INTERNATIONAL AIRPORT (CVG AIRPORT)

New Exhibit ID	Asset Numbers	Tank / Equipment Type	Storage Capacity (gallons)	Contents	Description	Maximum Discharge Rate (gpm)*	Direction of Flow
T-1	ELEC.XFMR.00010	Transformer	>55	Dielectric Oil	Avis (TF-14)	11	Surrounding area
T-2	ELEC.XFMR.00019	Transformer	>55	Dielectric Oil	Common Use Apron (001RP+09XDTA)	11	Surrounding area
T-3	ELEC.XFMR.00017	Transformer	>55	Dielectric Oil	CVG Center	11	Surrounding area
T-4	ELEC.XFMR.00018	Transformer	>55	Dielectric Oil	CVG Center (Close to Building)	11	Surrounding area
T-5	ELEC.XFMR.00014	Transformer	>55	Dielectric Oil	Dobbs (BMW) (TF-19)	11	Surrounding area
T-6	ELEC.XFMR.00001	Transformer	>55	Dielectric Oil	Emery/Grove (TF-18)	11	Surrounding area
T-7	ELEC.XFMR.00015	Transformer	400	Dielectric Oil	Facilities Department (TF-20)	80	Surrounding area
T-8	ELEC.XFMR.00006	Transformer	120	Dielectric Oil	Old Fountain Area (TF-1)	24	Surrounding area
T-9	ELEC.XFMR.00011	Transformer	>55	Dielectric Oil	Hertz (TF-15)	11	Surrounding area
T-10	ELEC.XFMR.00012	Transformer	260	Dielectric Oil	National (TF-16)	52	Surrounding area
T-11	ELEC.XFMR.00007	Transformer	163	Dielectric Oil	North Switch Gear (TF-8)	33	Surrounding area
T-12	ELEC.XFMR.00004	Transformer	140	Dielectric Oil	Old Cargo East (TF-2)	28	Surrounding area
T-13	ELEC.XFMR.00005	Transformer	120	Dielectric Oil	Old Cargo West (TF-7)	24	Surrounding area
T-14	ELEC.XFMR.00013	Transformer	161	Dielectric Oil	Old Post Office (TF-17)	32	Surrounding area
T-15	ELEC.XFMR.00009	Transformer	>55	Dielectric Oil	Sign Shop (TF-13)	11	Surrounding area
T-16		Transformer	272	Dielectric Oil	Terminal 2 Bag V C-4	54	Surrounding area
T-17	ELEC.XFMR.00008	Transformer	430	Dielectric Oil	V-12 (TF-9)	86	Surrounding area
T-18	ELEC.XFMR.00016	Transformer	370	Dielectric Oil	Transformer 31	74	Surrounding area
T-19	ELEC.XFMR.00020	Transformer	490	Mineral Oil	Spare at Facilities	98	Surrounding area
	ELEC.XFMR.00002	Transformer	-	Dry Type	Transformer 30		
	ELEC.XFMR.00003	Transformer	<55	Dielectric Oil	FEAM (TF-12)		

*Based on an estimated five (5) minutes of discharge of the maximum potential volume.
[1]Operated by Delta; not included in KCAB SPCC Oil Inventory
(O.O.S) Out of Service
Not included in SPCC Inventory

POTENTIAL DISCHARGE VOLUME AND DIRECTION OF FLOW
CINCINNATI/NORTHERN KENTUCKY INTERNATIONAL AIRPORT (CVG AIRPORT)

New Exhibit ID	Asset Numbers	Tank / Equipment Type	Storage Capacity (gallons)	Contents	Description	Maximum Discharge Rate (gpm)*	Direction of Flow
A-1		AST	10,000	ARFF Training Fuel	10,000-gallon Fuel Tank	2000	Inside Concrete Dike (22.5 x 56.08 x 1.29)
A-2		AST	2,000	Diesel	Fuel Tank - Feeds EG-18 & EG-19	400	Inside Double Wall Tank
A-3		AST	200	Diesel	Fuel Tank - Feeds Fire Pump	40	Inside Pump House; Drain to floor drain and then to sanitary sewer
A-4	TANK.STORAGE.00001	AST	400	Used Oil	400-gallon Used Oil AST	80	Inside Double Wall Tank
A-5	TANK.STORAGE.00003	AST	275	15W-40	275-gallon 15W-40 AST	55	Inside Double Wall Tank
A-6	TANK.STORAGE.00004	AST	275	5W-30	275-gallon 5W-30 AST	55	Inside Double Wall Tank
A-7	TANK.STORAGE.00005	AST	275	5W-20	275-gallon 5W-20 AST	55	Inside Double Wall Tank
A-8	TANK.STORAGE.00006	AST	275	ATF	275-gallon A&F AST	55	Inside Double Wall Tank
A-9	TANK.STORAGE.00007	AST	275	Hydraulic Fluid	275-gallon Hydraulic Fluid AST	55	Inside Double Wall Tank
A-10	TANK.STORAGE.00030	AST	10,000	Diesel	10,000-gallon Fuel Tank	2000	Inside Double Wall Tank
A-11	TANK.STORAGE.00002	AST	275	Antifreeze	275-gallon A&F AST	55	Inside Double Wall Tank
A-12		Compressor Hydraulic Reservoir	85	Hydraulic Fluid	Inside Glycol Processing and Recycling Building	17	Drain to trench drains within building to pump station to two million gallon AST
A-13		Emergency Generator Day Tank	123	Diesel	Feeds EG-17	25	Inside Concrete Dike (9.1'x5.8'x4.5')
A-14		Emergency Generator Day Tank	58	Diesel	Feeds EG-31	12	Inside Secondary Containment (2.2'x1.9'x3')
		Emergency Generator Day Tank	<55	Diesel	Feeds EG-11		N/A
		Emergency Generator Day Tank	<55	Diesel	Feeds EG-30		N/A
A-15		Emergency Generator Day Tank	275	Diesel	Feeds EG-14 & EG-15	55	Inside Concrete Dike (12'x3.6'x1.5')
		Emergency Generator Day Tank	<55	Diesel	Feeds EG-07		N/A
		Emergency Generator Day Tank	<55	Diesel	Feeds EG-08		N/A
A-16		Emergency Generator Day Tank	275	Diesel	Feeds EG-18 & EG-19	55	Inside Concrete Dike (9.5'x3.5'x2.6')
A-17		Emergency Generator Day Tank	200	Diesel	Feeds EG-09 or EG-10	40	Inside Double Wall Tank
A-18		Emergency Generator Day Tank	178	Diesel	Feeds EG-23	35.6	Inside Double Wall Tank
A-19	ELEC.GENR.00020	Emergency Generator Fuel Tank	500	Diesel	ARFF Training Center (EG-29)	100	Inside Double Wall Tank
A-20	ELEC.GENR.00019	Emergency Generator Fuel Tank	750	Diesel	CVG Center (EG-28)	150	Inside Double Wall Tank
A-21	ELEC.GENR.00004	Emergency Generator Fuel Tank	240	Diesel	Airfield (EG-12)	48	Inside Double Wall Tank
A-22	ELEC.GENR.00030	Emergency Generator Fuel Tank	127	Diesel	KY-20 Tunnel (EG-27)	25.4	Inside Double Wall Tank
A-23	ELEC.GENR.00012	Emergency Generator Fuel Tank	200	Diesel	Field Maintenance (EG-20)	40	Inside Double Wall Tank
A-24	ELEC.GENR.00016	Emergency Generator Fuel Tank	366	Diesel	Behind Fleet Maintenance (EG-24)	73.2	Inside Double Wall Tank
A-25	ELEC.GENR.00005	Emergency Generator Fuel Tank	250	Diesel	Inside High Voltage Building (EG-13)	50	Inside Concrete Dike (4'x7'x16")
A-26	ELEC.GENR.00024	Emergency Generator Fuel Tank	1,044	Diesel	Outside Police Department (EG-05)	208.8	Inside Double Wall Tank
A-27	ELEC.GENR.00013	Emergency Generator Fuel Tank	185	Diesel	Value Park (EG-21)	37	Inside Double Wall Tank
A-28	ELEC.GENR.00018	Emergency Generator Fuel Tank	1,000	Diesel	N. ARFF Station (EG-26)	200	Inside Double Wall Tank
A-29	ELEC.GENR.00014	Emergency Generator Fuel Tank	270	Diesel	Glycol Recycling (EG-22)	54	Inside Double Wall Tank
A-30	ELEC.GENR.00023	Emergency Generator Fuel Tank	200	Diesel	Terminal Parking Garage (EG-04)	40	Inside Double Wall Tank

POTENTIAL DISCHARGE VOLUME AND DIRECTION OF FLOW
CINCINNATI/NORTHERN KENTUCKY INTERNATIONAL AIRPORT (CVG AIRPORT)

New Exhibit ID	Asset Numbers	Tank / Equipment Type	Storage Capacity (gallons)	Contents	Description	Maximum Discharge Rate (gpm)*	Direction of Flow
A-31	ELEC.GENR.00011	Emergency Generator Fuel Tank	220	Diesel	Short Term Plaza Entrance (EG-2)	44	Inside Double Wall Tank
A-32	ELEC.GENR.00025	Emergency Generator Fuel Tank	250	Diesel	Outside Sign Shop (EG-06)	50	Inside Double Wall Tank
A-33	ELEC.GENR.00032	Emergency Generator Fuel Tank	1,000	Diesel	3 Million Gallon Storage Tanks (EG-32)	200	Inside Double Wall Tank
A-34		Fulton Hot Oil Boiler	300	Parathermic Oil	Inside Glycol Processing and Recycling Building	60	Drain to trench drains within building to pump station to two million gallon AST
A-35	GPT.BLWR.00001	KA-10 Blower Hydraulic Reservoir	76	Hydraulic Fluid	Centrifugal Blower 1	15.2	Inside Double Wall Tank
A-36	GPT.BLWR.00004	KA-10A Blower Hydraulic Reservoir	76	Hydraulic Fluid	Centrifugal Blower 4	15.2	Inside Double Wall Tank
A-37	GPT.BLWR.00002	KA-5 Blower Hydraulic Reservoir	72	Hydraulic Fluid	Centrifugal Blower 2	14.4	Inside Double Wall Tank
A-38	GPT.BLWR.00003	KA-5A Blower Hydraulic Reservoir	72	Hydraulic Fluid	Centrifugal Blower 3	14.4	Inside Double Wall Tank

*Based on an estimated five (5) minutes of discharge of the maximum potential volume.

[1]Operated by Delta; not included in KCAB SPCC Oil Inventory

(O.O.S) Out of Service

Not included in SPCC Inventory

POTENTIAL DISCHARGE VOLUME AND DIRECTION OF FLOW
CINCINNATI/NORTHERN KENTUCKY INTERNATIONAL AIRPORT (CVG AIRPORT)

New Exhibit ID	Asset Numbers	Tank / Equipment Type	Storage Capacity (gallons)	Contents	Description	Maximum Discharge Rate* (gpm)	Direction of Flow
P-1		Steel Drum(s)	55	Hydraulic Fluid	Inside KONE Maintenance Office	11	Sorbent Materials
P-6		Tote(s)	250	Used Oil	IBC Tote (as needed)	50	Drain to trench drains within building and then to OWS.
P-7		Tote(s)	220	Antifreeze	IBC Tote	44	Drain to trench drains within building and then to OWS.
P-2		Steel Drum(s)	275-550	Various Oils	Various oils stored in 55-gallon drums	11	Drain to trench drains within building and then to OWS.
P-3		Steel Drum(s)	550-1,100	Various Oils	Various oils stored in 55-gallon drums	11	Inside containment shed, then to pavement and nearby storm drain
P-4		Steel Drum(s)	220	Used Oil	Maximum of four (4) 55-gallon drums	44	Inside containment shed, then to pavement and nearby storm drain
P-5		Steel Drum(s)	220	Oil	Maximum of four (4) 55-gallon drums	44	Inside containment shed, then to pavement and nearby storm drain
M-1	VEHI.PUTK.653.2008	Mobile Refueler	110	Diesel	Pickup - Truck 403	22	Nearby OWS or Storm Drain
M-2	VEHI.UTLTK.1415.2016	Mobile Refueler	110	Diesel	F-150 with Crane Body - Truck 206	22	Nearby OWS or Storm Drain
M-3	VEHI.PUTK.513.2005	Mobile Refueler	100	Gasoline/Diesel	Pickup - Truck 716	20	Nearby OWS or Storm Drain

*Based on an estimated five (5) minutes of discharge of the maximum potential volume.

[1]Operated by Delta; not included in KCAB SPCC Oil Inventory

(O.O.S) Out of Service

Not included in SPCC Inventory

APPENDIX G

Inspection and Testing Program

Facility Component	Section(s)	Action	Method, Circumstance, and Required Action
General Requirements Applicable to All Facilities			
Recordkeeping Requirement	112.7(e)	Record	Keep written procedures and a signed record of inspections and tests for a period of three (3) years. Records kept under usual and customary business practices will suffice. *For each action.*
Onshore Facilities (Excluding Oil Production Facilities)			
Diked areas	112.8(b)(1) and 112.8(b)(2)	Inspect Record	Visually inspect content for presence of oil when draining into a watercourse. *Prior to draining.* Keep adequate records of such events.
Dikes areas for bulk storage containers	112.8(c)(3)	Inspect Record	Inspect retained rainwater to ensure that it will not cause discharge as described in 112.1(b) when draining to storm sewer or open watercourse, lake, or pond. *Prior to draining.* Keep adequate records of such events.
Aboveground bulk storage container(s)	112.8(c)(4)	Test or Inspect	Test or inspect each container for integrity per Appendix H. *Following a regularly schedule and whenever material repairs are made.*
Aboveground bulk storage container(s)	112.8(c)(6)	Inspect	Inspect outside of container for signs of deterioration and discharges per Appendix H. *Monthly visual inspections.*
Aboveground bulk storage container supports and foundations	112.8(c)(6)	Inspect	Inspect container's supports and foundations per Appendix H. *Monthly visual inspections.*
Diked areas around bulk containers	112.8(c)(6)	Inspect	Inspect for signs of deterioration, discharges, or accumulation of oil inside diked areas. M*onthly visual inspections.*
Liquid level sensing devices	112.8(c)(8)	Test	Test for proper operation. *According to manufacturer's specifications.*

Facility Component	Section(s)	Action	Method, Circumstance, and Required Action
Bulk storage containers	112.8(c)(10)	Corrective Action	Correct visible discharges which result in a loss of oil from the container, including seams, gaskets, piping, pumps, valves, rivets, and bolts. Remove accumulations of oil in diked areas. *Promptly.*
All aboveground valves, piping, and apparatuses	112.8(d)(4)	Inspect	During the inspection, assess general condition of items such as flange joints, expansion joints, valve glands and bodies, catch pans, pipeline supports, locking of valves, and metal surfaces. *Monthly visual inspections.*

APPENDIX H

Records of Inspection and Integrity Testing

Inspection & Testing Frequencies for Aboveground Storage Tanks[1]

AST Type and Size (U.S. gallons)		Category 1: with spill control and CRDM	Category 2: with spill control, without CRDM	Category 3: without spill control without CRDM
Shop-Fabricated ASTs	0 - 1,100	P	P	P, E&L(10)
	1,101 - 5,000	P	P, E&L(10)	P, E&L(5), I(10) or P, L(2), E(5)
	5,001 - 30,000	P, E(20)	P, E(10), I(20) or P, E(5), L(10)	P, E&L(5), I(10) or P,L(1), E(5)
Portable Containers		P	P	P

[1]STI SP-100 5th Edition

P – Periodic AST Inspection (monthly visual)
E – Formal External Inspection by Certified Inspector (FEI)
I – Formal Internal Inspection by Certified Inspector (FII)
L – Leak test by owner or owner's designee (LT)
(#) – Indicates the maximum inspection interval in years
CRDM – Control Release Detection Method
For example, E(20) indicates that a Formal External Inspection must be completed every 20 years

A Periodic Inspection is a visual, documented inspection conducted by the tank owner or an owner's inspector to assess the general tank conditions, as best as possible, without suspending tank operations or removing the tank from service. Periodic Inspections will be conducted at the facility as part of the monthly facility inspection and documented electronically.

A **Formal External Inspection** is a documented external inspection conducted by a certified or periodic preventative inspector to assess the condition of the tank and determine its suitability for continued service without entry into the tank interior. The external inspection may include ultrasonic testing of the shell, as specified in the standard, to assess the integrity of the tank for continued oil storage.

A **Formal Internal Inspection** is a documented internal inspection conducted by a certified or periodic preventative inspector to assess the internal and external condition of the tank and determine its suitability for continued service. This includes the inspection requirements of a Formal External Inspection. A Formal Internal Inspection satisfies the requirements of a Formal External Inspection and is considered equivalent to or better than a Formal External Inspection for the purposes of scheduling.

A certified integrity tank and vessel inspection will be performed every 20 years or if evidence of material stress appears, tank or vessel leaks occur, there is a change in service, or a tank or vessel is relocated.

A leak test is a documented test of the tank to determine if the tank is leaking.

Please note, all bulk oil storage tanks operated by KCAB and contained in this SPCC Plan are considered Category 1.

APPENDIX I

Calculation of Secondary Containment Capacity

10,000 gallon ARFF Training Fuel AST

Maximum Capacity of Largest Tank within the Secondary Containment:
10,000 gallons

Containment Dimensions:
Containment Area = 22.5 ft x 56.08 ft = 1,261.87 ft^2
Containment Height = 1.29 ft
Containment Volume = 1,261.87 ft^2 x 1.29 ft = 1,629.92 ft^3 x 7.48 gal/ ft^3 = 12,191.76 gallons

Volume Displaced by Additional Tanks/Structures within Containment:
Volume Displaced by Tank Supports = (1.29 ft x 9.42 ft x 1.17 ft) x 6
= 85.31 ft^3 x 7.48 gal/ft^3
= 638.1 gallons

Total Available Volume:
12,191.76 gallons – 638.1 gallons = 11,553.66 gallons

***Precipitation Volume*:**
(11,553.66 gallons / 10,000 gallons) x 100 = 115.5%

The secondary containment structure provides for 11,553.66 gallons of storage, which is **sufficient** storage capacity for the largest bulk storage container plus precipitation volume or freeboard (110% capacity of the largest tank).

APPENDIX J

Oil Transfer Procedures

1.0 Purpose/Scope

This Standard Operating Procedure (SOP) establishes the requirements to be followed during oil transfer operations by KCAB Fleet department personnel. Outside vendors delivering fuel must follow their own procedures. KCAB personnel will attend the delivery site to observe oil transfer operations performed by outside vendors.

2.0 Procedure

Prior to transfer, KCAB personnel shall:

- Visually check hoses for leaks and wet spots.
- Verify that sufficient volume is available in the storage tank or truck.
- Lock in the closed position drainage valves of the secondary containment structure if applicable.
- Secure the tank vehicle with wheel chocks and/or interlocks or parking brakes.
- If filling a tank truck, inspect the lowermost drain and outlets.

During transfer, KCAB personnel shall:

- Stay with the vehicle during transfer activities.
- Periodically inspect systems, hoses, and connections.
- When loading, keep internal and external valves on the receiving tank open along with the pressure relief valves, if applicable.
- When making a connection, shut off the vehicle engine. When transferring oil, shut off the vehicle engine unless it is used to operate a pump.
- Monitor the liquid level in the receiving tank to prevent overflow.

After transfer, KCAB personnel shall:

- Make sure the transfer operation is completed.
- Close tank by replacing the cap on the tank.
- Make sure the hoses are drained to remove the remaining oil before moving them away from the connection. Use a drip pan.
- Remove wheel chocks and/or interlocks.

APPENDIX K

Copies of Tenant/Lessee SPCC Plans

The following links to Tenant SPCC Plans are active while using computers/tablets/smart phones on the KCAB network. If you need assistance accessing one of these files, contact Maggie Pryatel, Manager of Environmental Compliance, at: mpryatel@cvgairport.com.

SPCC Plan, FAA Eastern Service Area, CVG – Air Traffic Control

SPCC Plan, FAA Eastern Service Area, CVG – Approach Lighting System

SPCC Plan, Delta CVG Station, CVG Bulk Fuel Farm

SPCC Plan, Delta Private Jets CVG Station

SPCC Plan, DHL CVG

SPCC Plan, Endeavor Air CVG

SPCC Plan, Menzies Aviation CVG Base

APPENDIX L

SPCC Spill Response Fact Sheet

KCAB SPILL RESPONSE PLAN FACT SHEET

Report All Spills to Airport Operations Center (AOC)
PHONE #: (859) 767-7777

INFORMATION TO PROVIDE TO AOC:

- **Name**
- **Location of the incident**
- **Source and cause of the discharge**
- **Types of material(s) discharged**
- **Quantity of materials discharged**
- **Any other pertinent information**

AIRPORT SPILL RESPONSE ACTIONS:

1. **Contact the AOC**
2. **AOC initiates Spill Response by contacting ARFF**
3. **ARFF responds; Manager of Environmental Compliance is notified**
4. **Manager of Environmental Compliance notifies appropriate authorities, as necessary**

****Please refer to the KCAB Spill Prevention, Control, and Countermeasure (SPCC) Plan for more information.**

KCAB SPILL RESPONSE PLAN FACT SHEET

FREQUENTLY ASKED QUESTIONS:

Does a release into secondary containment constitute a reportable release?

Yes. Any release over the reportable quantity from the primary containment vessel into a secondary containment area is considered a release or a threatened release to the environment.

If the primary containment vessel and the secondary containment area are located inside a building that would not reach the outside environment, then the spill is not reportable.

What happens if I do not report a release?

Under Kentucky law a non-reported release could result in payment of fines up the $25,000 per day per violation.

Examples of an oil sheen:

KCAB SPILL RESPONSE PLAN FACT SHEET

General Information

OWNER/OPERATOR OF FACILITY: Kenton County Airport Board (KCAB)

DESIGNATED PERSON: Manager of Environmental Compliance
24-hr Phone: (859) 206-9842

FACILITY NAME: Cincinnati / Northern Kentucky International Airport

FACILITY STREET ADDRESS: P.O. Box 752000

CITY, STATE, AND US ZIP CODE: Cincinnati, Ohio 45275

LARGEST ABOVEGROUND OIL STORAGE TANK CAPACITY: 10,000 gallons

MAXIMUM OIL STORAGE CAPACITY: 40,600 gallons

REPORTABLE QUANTITIES:

Agency	Notification/Reporting Requirements[1]	Phone
National Response Center (NRC)	When there is a discharge of: · A harmful quantity[2] of oil to U.S. navigable waters or adjoining shorelines	1 (800) 424-8802 or 1 (202) 426-2675
EPA Region IV	When there is a discharge of: · More than 1,000 U.S. gallons of oil in a single discharge to navigable waters or adjoining shorelines · More than 42 U.S. gallons of oil in each of two discharges to navigable waters or adjoining shorelines occurring within any twelve-month period	1 (800) 241-1754 or 1 (404) 562-9900
Kentucky Emergency Response Branch (ERB) & Kentucky Emergency Management	When there is a discharge or threatened discharge of: · 25 gallons or more of a petroleum product within a 24-hr period · 75 gallons or more of diesel fuel in a 24-hr period · Or any amount that creates a visible sheen on surface waters	1 (800) 928-2380 or 1 (502) 564-2380 1 (800) 255-2587