



DANSKAMMER ENERGY CENTER

Case No. 18-F-0325

1001.37 Exhibit 37

Back-Up Fuel

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Exhibit 37: Back-Up Fuel

37(a) Description of Fuel Oil

The Project will be fueled primarily by natural gas but will be capable of firing ultra-low sulfur diesel (ULSD) as a back-up fuel. Providing back-up fuel capability enhances electrical system reliability if natural gas supplies are temporarily disrupted.

(1) Chemical Analysis of the Back-up Fuel

ULSD will be used as the back-up fuel for the combined-cycle plant. Typical specifications for the back-up fuel are listed in Table 37-1 below. Consistent with air permitting requirements, the maximum sulfur content of the ULSD to be used is 15 parts per million (ppm), by weight.

Table 37-1. Typical Back-up Fuel Specifications

Parameter	ASTM Method	Typical Value
API Gravity at 60°F	D4052-11	32.7 °API
Appearance	D4176 (1)	C&B
ASTM Color	D6045	1.5
Flash Point (°F)	D93A	145
Cloud Point (°F)	D5773	10
Pour Point (°F)	D5949	0
Viscosity (at 104°F)	D445	2.148 cSt
Distillation – 90% (°F)	D86-12	617.6
Cetane Index	D976	44.8
Sulfur (ppm)	D5453-12	6.2
Water and Sediment (% by volume)	D2709	<0.010%
Electrical Conductivity (pS/m)	D2624	7
Electrical Conductivity Temp (°F)	D2624	72
Dye Content	D6258	<0.1 ppm
Biodiesel Content (% by volume)	D7371	1.9%
Lubricity (HFRR) at 60°C (microns)	D6079	330
Source: Camin Cargo Control, Sprague – Rensselaer, NY, ULSD Certificate of Analysis		

(2) Rate of Peak Fuel Oil Consumption

Winter operating conditions represent the highest demand conditions with respect to fuel consumption. The combined-cycle plant will consume approximately 24,000 gallons per hour of ULSD at full load under extreme winter operating conditions.

(3) Fuel Oil Storage Design

This section provides a description of the proposed fuel oil storage tank, including the storage capacity of the tank. This section also provides a description of offloading areas as well as the secondary containment structures proposed to be constructed around the tank other facilities or measures proposed to prevent, contain, or clean up oil spills.

Approximately three days of on-site fuel oil storage capacity will be provided for the combined-cycle plant. ULSD will be stored in one newly constructed nominal 1.7-million gallon aboveground storage tank (AST) located at the Project Site. Associated truck unloading facilities, including safety systems, transfer piping, and feed systems will also be installed. The proposed storage tank, piping, and secondary containment systems will meet applicable codes and standards, as further described below. The tank will be designed and constructed in accordance with American Petroleum Institute (API) 650 and other applicable industry standards. As such, the final design of the tank will account for local weather and loading conditions, including severe weather events that may apply external pressure, uplifting, as well as any applicable seismic loading.

(i) Fuel Oil Storage Tank Design Criteria

The tank will have a secondary containment system consisting of a steel or concrete-walled dike sized in accordance with National Fire Protection Association (NFPA) 30 (2018 Edition) Chapter 22 and 40 Code of Federal Regulations (CFR) Part 112. The piping systems, monitoring systems, delivery systems and AST will be designed, registered, and operated in accordance with applicable sections of 6 New York Codes, Rules and Regulations (NYCRR) Part 613, Petroleum Bulk Storage, and Article VI, Section 185-39, Petroleum Bulk Storage, of the Town of Newburgh Zoning Code.

In accordance with 6 NYCRR Subpart 613-4, the proposed AST will meet the following requirements:

- The AST will be made of steel and constructed as specified in 6 NYCRR § 613-4.1 (b)(1)(i)(b);
- The tank will have secondary containment and be underlain by impermeable barriers as specified in 6 NYCRR § 613-4.1 (b)(1)(v)(a) and § 613-4.1 (b)(1)(v)(c) through (e);
- The tank will be equipped with a leak-monitoring system as specified in 6 NYCRR § 613-4.3; and
- The tank will be installed in accordance with applicable sections of 6 NYCRR Subpart 613-4.1, including those provisions of 6 NYCRR § 613-4.1(b)(4) pertaining to Category 3 ASTs, and the New York State Uniform Fire Prevention and Building Code.

The AST and ancillary equipment will be installed in accordance with the New York State Uniform Fire Prevention and Building Code and Article IV of the Town of Newburgh Fire Prevention Code. Installation will be performed by a qualified installer and in accordance with the manufacturer's instructions. Consistent with 6 NYCRR § 613-4.1(b)(4), prior to being placed in service, the new tank will be tightness tested and inspected in accordance with one of the following codes of practice: API 650 (March 2013), API Standard 653 (April 2009), PEI RP200 (2013 Edition), STI SP001 (September 2011), or UL 142 (December 2006).

(ii) Corrosion Protection

The bottom of the new AST will be protected from corrosion by corrosion-resistant materials or a cathodic-protection system. The tank will be protected from corrosion in accordance with API Standard 651 (January 2007) and the provisions set forth 6 NYCRR § 613-4.2(b).

(iii) External Coatings

In accordance with 6 NYCRR § 613-4.1 (b)(1)(ii), the exterior surfaces of the AST will have a surface coating or protective system designed to prevent corrosion and deterioration.

(iv) Monitoring Systems

The AST will have a system for monitoring leakage between the tank bottom and the secondary containment system. This will include perforated gravity collection pipes, channels in a concrete foundation, or other equivalent method . Monitoring will be accomplished by visual, mechanical, electronic, or other means consistent with the requirements of 6 NYCRR § 613-4.3.

(v) Spill and Overfill Prevention

Danskammer will use spill and overfill prevention equipment and practices on fuel oil transfer operations occurring at the Project Site. Overfill prevention equipment and practices will include:

- The tank will be equipped with one of the following:
 - A device to alert the operator or carrier by triggering either a high-level warning alarm; or
 - A device such as a high-level trip (delivery cut-off system) that will automatically shut off or restrict flow when the product level approaches the working capacity of the tank;
- Fill ports will be properly labeled and/or color coded in accordance with API RP 1637; and
- The AST will be equipped with a gauge or other monitoring device to accurately determine the level or quantity of fuel oil in the tank. The gauge will be accessible to the operator or carrier and be installed so that it can be conveniently read during filling operations.

Valves and couplings will meet the following standards:

- Couplings or open-ended valves used for making a transfer will be located within the secondary containment system of the transfer station;
- Where a product transfer line or fill line is not drained of liquid upon completion of a transfer operation, it will be equipped with a valve, such as a dry disconnect shutoff valve, which prevents discharges from the line;
- Where siphoning or back flow is possible, fill pipes will be equipped with a properly functioning check valve, siphon break, or equivalent device or system, which provides automatic protection against backflow; and
- Each tank connection through which fuel oil can normally flow will be equipped with a valve or other appropriate means to control such flow.

(vi) Tank Venting

The AST will be protected from over-pressurization and excessive vacuums that may be caused by operator error, filling, emptying, atmospheric temperature changes, pumping, heating, and fire exposure. The AST will have vents to ensure that safe pressure is not exceeded.

(vii) Secondary Containment for AST

The AST will have a secondary containment system to collect and contain a leak or spill. The secondary containment system will prevent spills from entering the land or waters of the State that might result from a tank rupture, failure of valves and other ancillary equipment, and/or overfilling. In addition, the system will isolate and protect the tank from vehicular traffic, fire, and any potential spills of incompatible substances.

The secondary containment system will be sized in accordance with NFPA 30 and 40 CFR Part 112. In addition, the secondary containment system will be:

- Constructed such that overfills from connections and vents occur within the secondary containment system; and,
- Constructed, coated, and/or lined with materials that are chemically compatible with both the substance stored and the environment.

The containment system will be equipped with a sump and manually controlled pump, siphon, or valve to permit drainage from outside the containment area. Valves for gravity drainage systems will be in a closed position except when the operator is draining accumulated liquids.

(viii) Secondary Containment for Truck Transfers

Transfer of fuel oil from tanker trucks will take place within a defined unloading area that will itself be equipped with a secondary containment system.

This containment system will be:

- Designed to collect leaks and spills from connections, couplings, vents, pumps and valves, or hose failure. Open-ended fill lines will be located within the secondary containment system;
- Constructed, coated and/or lined with materials that are compatible both with the substances to be transferred and the environment; and
- Equipped with a sump and manually controlled drainage system to permit the drainage of liquids resulting from leaks, spills, and precipitation.

Drainage from the tank truck unloading area secondary containment system will be performed by trained staff in accordance with the governing State Pollutant Discharge Elimination System discharge permit requirements.

(ix) Design Criteria for Fuel Oil Piping Systems

In accordance with 6 NYCRR Subpart 613-4 and Article IV of the Town of Newburgh Fire Prevention Code, fuel oil piping systems will meet the following requirements:

- Piping systems will be designed and constructed in accordance with 6 NYCRR § 613–4.1(b)(2), including, without limitation and where applicable, practice codes UL 971 (February 2006) or ULC-S660-08 (2008), and with Article IV of the Town of Newburgh Fire Prevention Code;
- Fuel oil piping systems will be isolated from or protected against sources of stray electric current;
- Aboveground piping will be protected from physical damage that may result from moving machinery or vehicles;
- The exterior surfaces of aboveground piping will be protected from corrosion;
- Underground piping will be installed with secondary containment (i.e., double-walled pipe) as specified in Article IV of the Town of Newburgh Fire Prevention Code;
- Underground piping systems will be provided with a cathodic protection system and leak monitoring system as specified Article IV of the Town of Newburgh Fire Prevention Code and 6 NYCRR Subpart 613-4; and
- Prior to being placed in service, fuel oil piping systems will be tightness tested in accordance with Article IV of the Town of Newburgh Fire Prevention Code and 6 NYCRR 613 - 4.1(b)(2), including, where applicable, 6 NYCRR § 4.3(d)(2).

(4) Maximum Period Without Refueling

Storage will provide for approximately three days of on-site storage capacity for the back-up fuel. Coupled with the proposed tank truck capabilities included in the design, this capacity will be sufficient to effectively manage temporary curtailments in natural gas supplies.

(5) On-Site Oil Delivery

ULSD will be delivered to the Project Site via tanker truck. Tanker truck deliveries will be unloaded at a tanker truck unloading area specifically designed for this purpose. Based on preliminary design, the Project Facility will have the capability to unload three fuel oil tanker trucks simultaneously. It is anticipated that each tanker truck can be unloaded in approximately one hour.

Exhibit 25 of this Article 10 Application includes a discussion of the anticipated approach and departure routes of trucks, including those used for fuel oil deliveries. Based on the results of the traffic analysis, there are no anticipated adverse impacts on existing traffic resulting from the Project's use of fuel oil delivered by truck.

(6) Estimated Frequency and Duration of Oil Firing

The use of the back-up fuel could occur at any time as directed by the New York Independent System Operator (NYISO) or energy traders. Use of back-up fuel may occur in case of extreme cold, where gas-heating retail customers will take precedence over the Facility in the delivery of natural gas, or due to the unexpected loss of gas supply to the Project.

Consistent with air quality permits issued by the NYSDEC to other gas turbine facilities located in New York, Danskammer anticipates that use of the back-up fuel will be limited to a maximum of 720 hours per year.

(7) Days of Back-up Fuel Supply

The on-site system will provide for approximately three days of on-site storage capacity for the back-up fuel. Coupled with the proposed tanker truck capabilities included in the design, this capacity will be sufficient to effectively manage temporary curtailments in natural gas supplies.

(8) Maximum Quantity of Oil On-Site

The maximum quantity of back-up fuel expected to be stored on Site will be 1.7 million gallons.

37(b) Description of Fuel Oil Over 400,000 Gallons

Danskammer is proposing to store over 400,000 gallons of fuel oil on-site. As such, a draft spill prevention, countermeasures, and control (SPCC) plan and application for a Major Oil Storage Facility (MOSF) permit are included as discussed in the following subsections.

(1) Spill Prevention, Countermeasures and Control Plan

Draft SPCC Plan

Danskammer will continue to store over 400,000 gallons of fuel oil at the Project Site. Accordingly, Danskammer has prepared a Preliminary SPCC Plan for the new Project, required pursuant to federal and state regulations. See Appendix 23-5 of Exhibit 23. Note that the

existing Danskammer Generating Station SPCC Plan will remain in effect until final decommissioning of the existing plant is completed.

With respect to the storage of petroleum, the Preliminary SPCC Plan for the Project Facility addresses the following regulations: federal regulations (US EPA) at 40 CFR Part 112, Oil Pollution Prevention; and New York State regulations (NYSDEC) at 6 NYCRR Part 610, Certification of Onshore Major Facilities, and 6 NYCRR Part 613, Petroleum Bulk Storage.

The Preliminary SPCC Plan documents the steps that Danskammer will undertake to conform with federal and state guidelines to prevent the discharge of oil into navigable waters or adjoining shorelines; to minimize, control, and contain such discharge in the event it does occur; and to remediate the causes of such discharges.

The Final SPCC Plan will identify those individuals at the Project Site that are directly responsible for plan implementation and their contact information. Oil spill training sessions, in compliance with the Oil Pollution Act of 1990, will be held at the Site.

Due to the planned installation of the new proposed back-up fuel AST, Danskammer will exceed the 1-million gallon storage capacity threshold and thus will also prepare a Facility Response Plan (FRP) that will include, under one cover, an Emergency Response Action Plan, containing the Site's spill response procedures, and a Spill Notification Directory. The additional documents, in conjunction with the SPCC Plan, are required components of the oil spill prevention and preparedness regulations. Together, these plans address all phases of spill response (i.e., notification, containment, and cleanup) to ensure that appropriate actions proceed simultaneously and efficiently.

Copies of the Final SPCC Plan and the FRP will be available at the Project prior to bringing fuel oil on-site and thereafter. The actions detailed in the Draft SPCC Plan will address requirements contained in 40 CFR Part 112 and 6 NYCRR Part 610.

(2) Application for a Licensing of On-Shore Major Oil Storage Facility I (MOSF)

Draft MOSF Application

The existing Danskammer Generating Station property operates pursuant to a MOSF license in connection with its existing petroleum bulk storage facilities ("Existing Facility MOSF License"). Danskammer will prepare and submit an application to modify the Existing Facility MOSF License to authorize the installation and operation of the petroleum bulk storage tank for the

Project. Appendix 37-1 of this Article 10 Application contains a copy of Danskammer's draft application to modify its MOSF License pursuant to Article 12 of the Navigation Law, section 174 (licenses), 17 NYCRR 30 (Oil Spill Prevention and Control - Licensing of Major Facilities), 6 NYCRR 610 (Certification of Onshore Major Facilities), and 6 NYCRR Parts 613 (Petroleum Bulk Storage).

Additional design details for oil storage facilities and pipelines at the Site will be determined during final Project design and submitted for final review and approval prior to commencement of operations of the facility. The final design information package will provide specific design details and information regarding the tank and piping systems, including their location, type, installation date, product(s) stored, type of internal and external corrosion protection, type of secondary containment, type of leak detection, and type of overflow protection.

37(c) Reasonable Alternatives

The proposed combined-cycle Project Facility is capable of operating on two kinds of fuel only: natural gas and ULSD. Accordingly, there is no reasonable alternative fuel to ULSD for use as a back-up fuel.

Danskammer has also examined the feasibility of not having fuel oil back-up capability at the Project Facility. This would mean that the Facility would operate without any back-up capability at all because ULSD is the only feasible alternative to natural gas. As stated in Section 37(a), above, it is anticipated that the Project Facility will operate on back-up fuel when natural gas supplies are temporarily interrupted. The most likely cause for such interruptions are periods of extreme cold weather, when natural gas is diverted first to retail customers. In the absence of back-up operating fuel at these critical times, an interruption in the flow of natural gas to the Project Facility would inevitably cause the entire shut-down of the Facility and the concomitant loss of electric system reliability when the demand for energy resources is at or near peak demand. Given the Project's compliance with all federal, state and local regulations governing the construction, installation and monitoring of ASTs, including the development of an SPCC and FRP, neither the storage nor the limited use of ULSD as a back-up fuel are expected to result in significant adverse environmental impacts. Please see Exhibit 17 for a further discussion of air impacts. Under these circumstances, particularly where the reliability of the electric system is jeopardized, Danskammer does not believe that it is prudent to eliminate the provision for use of ULSD at the Project Site.

37(d) Impact of Fuel Oil on Wholesale Supplies and Prices

Danskammer recognizes that use of the back-up fuel could occur at any time as directed by the NYISO or energy traders. However, based on the anticipated low frequency and limited duration of using ULSD as a back-up fuel (including an air permit limitation of 720 hours per year), wholesale supplies and prices will not be impacted regionally.

Based upon the most recent data from the U.S. Energy Information Administration, sales of distillate fuel oil during 2017 totaled 6,987,810,000 gallons in the Central Atlantic Region (PADD 1B) and 3,642,651,000 gallons in the New York/New Jersey area. As discussed in Section 37(a)(2), the maximum hourly fuel oil consumption rate for the combined-cycle plant will be approximately 24,000 gallons per hour at full load under extreme winter operating conditions. Because the use of the back-up fuel will be limited to a maximum of 720 hours per year, this would result in an annual consumption rate of 17,280,000 gallons per year, or 0.25 percent of the total annual sales of distillate fuel oil in the Central Atlantic Region and 0.47 percent of total annual sales in the New York/New Jersey area. The operating scenario above is based upon worst case, extreme winter operating conditions (at an ambient air temperature of 0°F for combined cycle) for all oil-fired conditions and assumes that the Project will be dispatched for a complete 720 hours in a calendar year. Because the Project's ULSD consumption will be well below 1 percent of the region's available supply, it is extremely unlikely that wholesale supplies and prices will be impacted.

37(e) Existing Oil Storage Capability and Removal Plans

Currently, there is one 682,000-gallon, No. 6 fuel oil storage tank at the Danskammer Generating Station. This tank will be decommissioned and demolished to make room for the combined-cycle plant. Demolition activities will comply with applicable federal, state, and local laws, regulations, and ordinances. Danskammer, as owner and permit holder of the tank to be decommissioned and demolished, will ensure that proper notification is provided to the applicable state and local agencies, including the NYSDEC and the Orange County Fire Marshall. In addition, Danskammer will be responsible for updating the MOSF license.

The work will include cleaning, removal, management, and proper disposal of the tank; residual tank contents (i.e., scaling, sludge, and tank bottoms); aboveground and underground piping systems; and associated appurtenances. It will also include, if necessary, removal and proper disposal of petroleum-contaminated soil from beneath the footprint of the storage tank, piping,

and appurtenant structures. Materials and wastes generated during demolition activities will be managed in accordance with an approved Materials and Waste Management Plan, which will identify and document the procedures for materials and waste identification, handling, transportation, and disposal.

37(f) Description of Back-up Non-Fuel Oil

Danskammer proposes to use ULSD fuel oil as a back-up fuel. The combined-cycle facility will not be capable of operating on other alternative fuel sources (i.e., other than natural gas or ULSD).

APPENDIX 37-1

DRAFT MOSF PERMIT APPLICATION



Application For Major Petroleum Facility License

Pursuant to Article 12 of the Navigation Law and 6 NYCRR 610; 17 NYCRR 30

Section A

Return Completed Form To:
Region 3 NYSDEC
21 South Putt Corners Road
New Paltz, NY 12561-1696
(845) 256-3121



Please Type or Print Clearly
and Complete All Items

Expiration Date: 03/31/2021

License Number 3-1060 DEC CBS Number: (If applicable)	F A C I L I T Y	Facility Name: DANSKAMMER GENERATING STATION		TYPE OF PETROLEUM FACILITY: (Check only one)			
		Location (Not P.O. Boxes) 994 RIVER ROAD		<input type="checkbox"/> 01=Storage Terminal/Petroleum Distributor <input checked="" type="checkbox"/> 05=Utility <input type="checkbox"/> 04=Manufacturing (Other than Chemical)/ Processing <input type="checkbox"/> 08=School			
		Location (cont.):		<input type="checkbox"/> 06=Trucking/Transportation/Fl <input type="checkbox"/> 14=Refinery <input type="checkbox"/> 11=Airline/Air Taxi <input type="checkbox"/> 16=Vessel/Barge <input type="checkbox"/> 15=Railroad <input type="checkbox"/> 20=Chemical Mfg.			
		City: Newburgh	State: NY	Zip Code: 12550	<input type="checkbox"/> 99=Other (Specify): _____		
Transaction Type (Check all that apply) <input type="checkbox"/> 1)Initial/New Facility <input type="checkbox"/> 2)Change of Licensee <input checked="" type="checkbox"/> 3)Tank installation, Closing, or Repair <input checked="" type="checkbox"/> 4)Information Correction <input type="checkbox"/> 5) Renewal	L I C E N S E	Facility Operator: DANSKAMMER ENERGY, LLC		PRODUCT TRANSFER OPERATIONS: (Check all that apply)			
		Licensee Name: DANSKAMMER ENERGY, LLC		<input checked="" type="checkbox"/> 1=Tank Truck <input checked="" type="checkbox"/> 4=Pipeline REMOVE <input checked="" type="checkbox"/> 2=Railroad Car REMOVE <input type="checkbox"/> 5=Other(Specify): _____ <input type="checkbox"/> 3=Vessel/Barge (incl. off-shore platform)			
		Address (Street and/or P.O.): 994 RIVER ROAD		Average Daily Throughput (Gallons): -1,237-		Total Storage Capacity (Gallons): 1,781,090	
		City: NEWBURGH	State: NY	Zip Code: 12550	Emergency Contact Name: CONTROL ROOM Emergency Telephone Number: (845) 563-9118		
Type of Licensee: (check only one) <input type="checkbox"/> State Government <input type="checkbox"/> Local <input type="checkbox"/> Federal Government <input checked="" type="checkbox"/> Corporate/Commercial	L A G E A N T	Licensee Telephone Number: (845) 563-9117		I hereby certify, under penalty of law, that all of the information provided on this form is true and correct. False statements made herein may be punishable as a criminal offense and/or a civil violation in accordance with applicable state and federal law.			
		Legal Agent Name: DANSKAMMER ENERGY, LLC		Name of Licensee or Authorized Representative: ED HALL			
		Address (Street and/or P.O.): 994 RIVER ROAD		Title: PLANT MANAGER			
		City: NEWBURGH	State: NY	Zip Code: 12550	Signature: _____ Date: _____		
For Vessels Only Vessel ID #:	C O R R E S P O N D E N T	(Please keep up to date - this information is used for mailing and contact purposes)					
		Facility Contact Person Name: SUSANNE MAY		OFFICIAL USE ONLY			
		Contact Person Company Name: DANSKAMMER ENERGY, LLC		Date Received ___/___/___			
		Address: 994 RIVER ROAD		Sections Completed:			
Address (cont.):		A: <input type="checkbox"/> Yes <input type="checkbox"/> No B: <input type="checkbox"/> Yes <input type="checkbox"/> No C: <input type="checkbox"/> Yes <input type="checkbox"/> No D: <input type="checkbox"/> Yes <input type="checkbox"/> No					
City/State/Zip Code: NEWBURGH, NY 12550		Date Processed ___/___/___		Reviewed by _____ Revised 6/26/2019			
Telephone Number: (845) 563-9117	E-Mail Address: SMAY@DAMSKAMMERENERGY.COM						
Licensee is (Check all that apply) <input checked="" type="checkbox"/> Facility Operator <input checked="" type="checkbox"/> Facility (Equip) <input checked="" type="checkbox"/> Property Owner							

Section B - Tank Information

(Please use the key located on the last page to complete each item/column)

License Number:

3-1060

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	
Action	Tank Number	Tank Location	Status	Installation, Out of Service, or Permanent Closure Date (Month/Day/Year)	Capacity (Gallons)	Product Stored (If Gasoline w/ethanol or Biodiesel, list % additive)	Tank Type	Tank Internal Protection	Tank External Protection	Tank Secondary Containment	Tank Leak Detection	Tank Overfill Prevention	Tank Spill Prevention	Pumping/Dispensing Method	Piping Location	Piping Type	Piping External Protection	Piping Secondary Containment	Piping Leak Detection	Last Test (UST) or Inspection (AST) date (Month/Day/Year)	
3	DSK-002	2	1	12/1/1970	682,558	0003	01	00	01	01	05	00	02	00	02	01	01	01	12	02	11-25-14
				CLOSE DATE-TBD																	
	DSK-004	3	1	9/1/1986	12,000	0008	01	00	01	01	05	00	02	00	02	01	01	01	12	02	
	DSK-005	3	1	1/1/1971	15,500	0001	01	00	01	01	05	00	02	00	02	01	01	01	12	02	
	DSK-013A	3	1	1/1/1951	300	0008	01	00	01	09	05	00	02	00	02	01	01	01	12	02	
	DSK-014	3	1	1/1/1951	3,230	1836	01	00	01	02	00	02	00	02	01	01	01	12	02	10/9/14	
	DSK-016	3	1	1/1/1954	3,230	0022	01	00	01	02	00	02	00	02	01	01	01	12	02	10/8/19	
	DSK-017	3	1	1/1/1954	3,230	1836	01	00	01	02	00	02	00	02	01	01	01	12	02	10/9/14	
	DSK-019	3	1	1/1/1959	6,000	1836	01	00	01	02	00	02	00	02	01	01	01	12	02	10/9/19	

License Number:
3-1060

Section B - Tank Information

(Please use the key located on the last page to complete each item/column)

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)
Action	Tank Number	Tank Location	Status	Installation, Out of Service, or Permanent Closure Date (Month/Day/Year)	Capacity (Gallons)	Product Stored (If Gasoline w/ethanol or Biodiesel, list % additive)	Tank Type	Tank Internal Protection	Tank External Protection	Tank Secondary Containment	Tank Leak Detection	Tank Overfill Prevention	Tank Spill Prevention	Pumping/Dispensing Method	Piping Location	Piping Type	Piping External Protection	Piping Secondary Containment	Piping Leak Detection	Last Test (UST) or Inspection(AST) date (Month/Day/Year)
2	680	1	1	2020	1,700,000	0008	01	00	01/02	12	01	02/03/04	02	TBD	01	01	TBD	TBD	TBD	
2	353	3	1	2020	3,000	2731	01	00	01	01/12	01	02/04	00	TBD	01	TBD	TBD	TBD	TBD	
2	3	3	1	2020	15,000	0013	01	00	01	01/10	TBD	04	01	TBD	01	TBD	TBD	TBD	TBD	
2	9	2	1	2020	100	0013	01	00	01	01/10	TBD	04	01	TBD	01	TBD	TBD	TBD	TBD	
2	13	3	1	2020	1,000	0013	01	00	01	01/10	TBD	04	01	TBD	01	TBD	TBD	TBD	TBD	
2	38	3	1	2020	2,000	0001	01	00	01	12	TBD	04	00	TBD	01	TBD	TBD	TBD	TBD	
2	302	3	1	2020	15,000	0013	01	00	01	01/10	TBD	04	01	TBD	01	TBD	TBD	TBD	TBD	

Note: If you need to add tanks to your registration, write them in using blank lines above. Attach additional sheets as needed. Blank Section B is available at http://www.dec.ny.gov/docs/remediation_hudson_pdf/mosfappform.pdf

2	309	3	1	2020	1,000	0013	01	00	01	01/10	TBD	04	01	TBD	01	TBD	TBD	TBD	TBD	
2	404	3	1	2020	500	0013	01	00	01	01/10	TBD	04	01	TBD	01	TBD	TBD	TBD	TBD	

License Number:
3-1060

Major Oil Storage Facility License Application

Section C - Tank Ownership Information (for MOSF tanks listed in Section B)

Tank Owner Information				Tank Owner Information			
Tank Owner Name (Company/Individual): DANSKAMMER ENERGY, LLC				Tank Owner Name (Company/Individual):			
Contact Person: SUSANNE MAY				Contact Person:			
Tank Owner Address: 994 RIVER ROAD				Tank Owner Address:			
City: NEWBURGH		State: NY	ZIP: 12550	City:		State:	ZIP:
Contact Person Telephone Number: 845-563-9117		Contact Person email: smay@danskammerenergy.com		Contact Person Telephone Number:		Contact Person email:	
Specific Tanks Owned				Specific Tanks Owned			
Tank Number:				Tank Number:			
Name of Class B (Daily On-Site) Operator:			Authorization No:	Name of Class B (Daily On-Site) Operator:			Authorization No:
Name of Class A (Primary) Operator:			Authorization No:	Name of Class A (Primary) Operator:			Authorization No:

DSK-002	DSK-004	DSK-005	DSK-013A	DSK-014				
DSK-016	DSK-017	DSK-019	680	353				
3	9	13	38	302				
309	404							

MAJOR OIL STORAGE LICENSE APPLICATION - SECTION B - TANK INFORMATION - CODE KEYS

Action (1)

1. Initial Listing
2. Add Tank
3. Close/Remove Tank
4. Information Correction
5. Repair/Reline Tank

Tank Location (3)

1. Aboveground-contact w/soil
2. Aboveground-contact w/impervious barrier
3. Aboveground on saddles, legs, stilts, rack or cradle
4. Partially buried tank (tank with 10% or more below ground)
5. Underground including vaulted with no access for inspection
6. Aboveground in Subterranean

Status (4)

1. In-service
2. Out-of-service
3. Closed-Removed
4. Closed- In Place
5. Tank converted to Non-Regulated use

Products Stored (7)

Heating Oils: On-Site Consumption

0001. #2 Fuel Oil
0002. #4 Fuel Oil
0259. #5 Fuel Oil
0003. #6 Fuel Oil
0012. Kerosene

0591. Clarified Oil
2711. Biodiesel (Heating)
2642. Used Oil (Heating)

Heating Oils: Resale/Redistribution

2718. #2 Fuel Oil
2719. #4 Fuel Oil
2720. #5 Fuel Oil
2721. #6 Fuel Oil
2722. Kerosene
2723. Clarified Oil

Motor Fuels

0009. Gasoline
2712. Gasoline/Ethanol

0008. Diesel
2710. Biodiesel
0011. Jet Fuel
1044. Jet Fuel (Biofuel)
2641. Aviation Gasoline

Emergency Generator Fuels

0001. #2 Fuel Oil
2730. Biodiesel (E-Gen)
2731. Diesel (E-Gen)

Lubricating/Cutting Oils

0013. Lube Oil
0015. Motor Oil
1045. Gear/Spindle Oil
0010. Hydraulic Oil
0007. Cutting Oil
0021. Transmission Fluid
1836. Turbine Oil
0308. Petroleum Grease

Oils Used as Building Materials

0004. Asphalt
2626. Asphaltic Emulsions
0748. Form Oil

Petroleum Spirits

0014. White/Mineral Spirits
1731. Naptha

Mineral/Insulating Oils

0020. Insulating Oil (e.g., Transformer, Cable Oil)
2630. Mineral Oil

Waste/Used/Other Oils

- 0022 Waste/Used Oil
9999. Other-Please list:*

Crude Oil

0006. Crude Oil
0701. Crude Oil Fractions

Tank Type (8)

01. Steel/Carbon Steel/Iron
02. Galvanized Steel Alloy
03. Stainless Steel Alloy
04. Fiberglass Coated Steel
05. Steel Tank in Concrete
06. Fiberglass Reinforced Plastic (FRP)
07. Plastic
08. Equivalent Technology

09. Concrete
10. Urethane Clad Steel
99. Other-Please list:*

Internal Protection (9)

00. None
01. Epoxy Liner
02. Rubber Liner
03. Fiberglass Liner (FRP)
04. Glass Liner
99. Other-Please list:*

External Protection (10/18)

00. None
01. Painted/Asphalt Coating
02. Original Sacrificial Anode
03. Original Impressed Current
04. Fiberglass
05. Jacketed
06. Wrapped (Piping)
07. Retrofitted Sacrificial Anode
08. Retrofitted Impressed Current
09. Urethane

Tank Secondary Containment (11)

00. None
01. Diking (AST Only)
02. Vault (w/access)
03. Vault (w/o access)
04. Double-Walled (UST Only)
05. Synthetic Liner
06. Remote Impounding Area
07. Excavation Liner
09. Modified Double-Walled (AST Only)
10. Impervious Underlayment (AST Only)**
11. Double Bottom (AST Only)**
12. Double-Walled (AST Only)

Tank Leak Detection (12)

00. None
01. Interstitial Electronic Monitoring
02. Interstitial Manual Monitoring
03. Vapor Well
04. Groundwater Well
05. In-Tank System (Auto Tank

06. Impervious Barrier/Concrete Pad (AST Only)
07. Statistical Inventory Reconciliation (SIR)
08. Weep holes in vaults with no access for inspection
99. Other-Please list: *

Overfill Protection (13)

00. None
01. Float Vent Valve
02. High Level Alarm
03. Automatic Shut-Off
04. Product Level Gauge (AST Only)
05. Vent Whistle
99. Other-Please list:*

Spill Prevention (14)

00. None
02. Transfer Station Containment
01. Catch Basin
99. Other-Please list:*

Pumping/Dispensing Method (15)

00. None
01. Presurized Dispenser
02. Suction Dispenser
03. Gravity
04. On-Site Heating System (Suction)
05. On-Site Heating System (Supply/Return)
06. Tank-Mounted Dispenser
07. Loading Rack/Transfer Pump

Piping Location (16)

00. No Piping
01. Aboveground
02. Underground/On-ground
03. Aboveground/Underground Combination

Piping Type (17)

00. None
01. Steel/Carbon Steel/Iron
02. Galvanized Steel
03. Stainless Steel Alloy
04. Fiberglass Coated Steel
05. Steel Encased in Concrete

06. Fiberglass Reinforced Plastic (FRP)
07. Plastic
08. Equivalent Technology
09. Concrete
10. Copper
11. Flexible Piping
99. Other-Please list:*

Piping Secondary Containment (19)

00. None
01. Diking (Aboveground Only)
02. Vault (w/access)
04. Double-Walled (Underground Only)
06. Remote Impounding Area
07. Trench Liner
12. Double-Walled (Aboveground Only)
99. Other-Please list: *

Pipe Leak Detection (20)

00. None
01. Interstitial Electronic Monitoring
02. Interstitial Manual Monitoring
03. Vapor Well
04. Groundwater Well
07. Pressurized Piping Leak Detector
09. Exempt Suction Piping
10. Statistical Inventory Reconciliation (SIR)
99. Other-Please list:*

.....
* If other, please list on a separate sheet including tank number,

** Each of these codes must be combined with code 01 or 06 to meet compliance requirements.

SECTION D OF MAJOR PETROLEUM LICENSE APPLICATION - ON SHORE ONLY

(See Instructions)

INITIAL/NEW FACILITY AND CHANGE OF LICENSEE APPLICATIONS ONLY

APPLICANT, PLEASE CHECK APPROPRIATE BOX FOR QUESTIONS 1 THRU 6. ATTACH OR INSERT INFORMATION AS REQUIRED

- | | | | |
|----|-------------------------------------|------------------------------------|--|
| 1. | <input type="checkbox"/> Yes | <input type="checkbox"/> No | Does this facility have a federal spill prevention control and countermeasure (SPCC) plan? If Yes, please attach a copy. If No, please see instructions. |
| 2. | <input type="checkbox"/> | <input type="checkbox"/> | Does this facility have an operations manual on file with the U.S. Coast Guard? If yes, please attach a copy. If no, please see instructions. |
| 3. | <input type="checkbox"/> | <input type="checkbox"/> | In addition to 1 and 2 above, does this facility have a plan for the prevention of petroleum spills or discharges? If so, please attach a copy. |
| 4. | <input type="checkbox"/> | <input type="checkbox"/> | Does this facility have a separate clean-up and removal plan? Please see instructions and attach a copy. |
| 5. | <input type="checkbox"/> | <input type="checkbox"/> | Are plans referenced in questions 1 through 4 above fully implemented? If not, indicate anticipated date for complete implementation. _____/_____/_____ |
| 6. | <input type="checkbox"/> | <input type="checkbox"/> | Has this facility experienced a spill or an uncontrolled discharge during the past five years? If so, please see instructions. |

RENEWAL APPLICATIONS ONLY

APPLICANT, PLEASE CHECK APPROPRIATE BOX FOR QUESTIONS 7 THROUGH 9 AND ATTACH OR INSERT INFORMATION AS REQUIRED.

- | | | | |
|----|-------------------------------------|------------------------------------|--|
| 7. | <input type="checkbox"/> Yes | <input type="checkbox"/> No | Has the facility experienced a spill or an uncontrolled discharge during the past year? If so, please see instructions. |
| 8. | <input type="checkbox"/> | <input type="checkbox"/> | Have any major additions or changes to the structure or equipment of the facility been made within the past year which would materially affect the potential for a petroleum discharge? If yes, please see instructions and attach requested information. |
| 9. | <input type="checkbox"/> | <input type="checkbox"/> | Has the facility's federal SPCC plan, U.S. Coast Guard Operations Manual, and/or other spill control plans submitted for initial licensing been amended or otherwise changed during the past year? Please see instructions and attach requested information. |

ALL APPLICATIONS

APPLICANT, PLEASE CHECK APPROPRIATE BOX FOR QUESTIONS 10 THROUGH 16 AND ATTACH OR INSERT INFORMATION AS REQUIRED.

- | | | | | | | | | | |
|---|-------------------------------------|---|--|------|---------|---|--|------|---------|
| 10. | <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No | Does this facility have any uncorrected violations cited by the U.S. Coast Guard and/or the U.S. Environmental Protection Agency? If so, please attach an explanation. | | | | | | |
| 11. | <input checked="" type="checkbox"/> | <input type="checkbox"/> | Is a general site plan included in the submitted plan(s)? If not, please attach a copy. If yes, specify plan and page. SPCC Plan - Figures 1 through 4 _____ | | | | | | |
| 12. | <input checked="" type="checkbox"/> | <input type="checkbox"/> | Does the submitted plan(s) indicate how petroleum spills or discharges are prevented from contaminating groundwater? If not, please see instructions. If yes, specify plan and page. SPCC Plan - Section 3.1 and Section 4. _____ | | | | | | |
| 13. | <input type="checkbox"/> | <input checked="" type="checkbox"/> | Is this facility a member of a discharge clean-up organization or cooperative? If so, please enter name and address of organization, and attach a copy of the agreement. | | | | | | |
| 14. | <input checked="" type="checkbox"/> | <input type="checkbox"/> | Does this facility contract for discharge clean-up services? If so, please enter name and address of contractor.
<table border="0" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 30%; border-bottom: 1px dashed black;">Name</td> <td style="width: 70%; border-bottom: 1px dashed black;">Address</td> </tr> <tr> <td colspan="2" style="border: 1px solid red; padding: 2px;">Miller Environmental - 169 Stone Castle Road, Rock Tavern, NY 12575; (800) 394-8606</td> </tr> <tr> <td style="border-bottom: 1px dashed black;">Name</td> <td style="border-bottom: 1px dashed black;">Address</td> </tr> </table> | Name | Address | Miller Environmental - 169 Stone Castle Road, Rock Tavern, NY 12575; (800) 394-8606 | | Name | Address |
| Name | Address | | | | | | | | |
| Miller Environmental - 169 Stone Castle Road, Rock Tavern, NY 12575; (800) 394-8606 | | | | | | | | | |
| Name | Address | | | | | | | | |
| 15. | <input checked="" type="checkbox"/> | <input type="checkbox"/> | Does this facility dispose of petroleum contaminated wastes (debris, dirt, sludges, sorbents, waste oil, etc.) off site? If so, please enter name and address of company(s) and the location(s) of disposal sites(s).
<table border="0" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 30%; border-bottom: 1px dashed black;">Name</td> <td style="width: 35%; border-bottom: 1px dashed black;">Address</td> <td style="width: 35%; border-bottom: 1px dashed black;">Site Location</td> </tr> <tr> <td colspan="3" style="border: 1px solid red; padding: 2px;">Varies</td> </tr> </table> | Name | Address | Site Location | Varies | | |
| Name | Address | Site Location | | | | | | | |
| Varies | | | | | | | | | |
| 16. | <input checked="" type="checkbox"/> | <input type="checkbox"/> | Does the submitted plan(s) show compliance with 6 NYCRR 613-2, 3 & 4 of the Petroleum Bulk Storage Regulations? If not, please indicate anticipated date for compliance. _____/_____/_____ | | | | | | |