

**LaSalle Environmental Audit
Response to Request for Additional Information**

Index #: 018 **RAI #:** LU-02 **Category:** Land Use and Visual Resources

Statement of Question:

The NRC's supplemental environmental impact statement (SEIS) for LSCS license renewal will include a description of fuel at the LSCS site that mirrors Section 3.1.6.1 in the NRC's 2013 GEIS (ML13107A023). To facilitate the staff's preparation of this section, provide the following information:

- a. How much nuclear fuel does each LSCS unit contain in pounds or metric tons? The approximate or average weight is sufficient.
- b. On average, what percentage of reactor fuel does Exelon replace during each outage?
- c. Describe the use and storage capacity of all onsite fuel storage tanks, including diesel, gasoline, and natural gas.
- d. How does LSCS power its heating, ventilating, and air conditioning systems?
- e. Does LSCS have an onsite waste oil incinerator(s)? If so, please describe the incinerator(s).

Response:

- a. Each LSCS unit contains approximately 140.0 metric tons uranium (MTU)
- b. At each refueling outage, approximately 36 percent of the reactor fuel is replaced in the refueled unit.
- c. A description of the use and storage capacity for onsite fuel storage tanks is provided in the table below. [Source: Exelon Generation LaSalle Generating Station Spill Prevention Control and Countermeasures Plan, Rev. 19, April 2015.]

Container Name (type of use)	Contents	Nominal Capacity (gallons)
Unit 1 Diesel Fuel Storage Tank (Emergency Diesel Generators)	Diesel	40,000
Unit 2 Diesel Fuel Storage Tank (Emergency Diesel Generators)	Diesel	40,000
Common Diesel Fuel Storage Tank (Emergency Diesel Generators)	Diesel	40,000
Unit 1 Diesel Fuel Day Tank (Initial fuel source to Unit 1 Emergency Diesel Generator)	Diesel	750
Unit 2 Diesel Fuel Day Tank (Initial fuel source to Unit 2 Emergency Diesel Generator)	Diesel	750
Common Diesel Fuel Day Tank (Initial fuel source to Common Emergency Diesel Generator)	Diesel	750
Unit 1 HPCS Diesel Fuel Storage Tank (HPCS Pump)	Diesel	33,950

Container Name (type of use)	Contents	Nominal Capacity (gallons)
Motor Diesel Generator)		
Unit 2 HPCS Diesel Fuel Storage Tank (HPCS Pump Motor Diesel Generator)	Diesel	33,950
Unit 1 HPCS Diesel Fuel Day Tank (Initial fuel source to Unit 1 HPCS Pump Motor Diesel Generator)	Diesel	1,700
Unit 2 HPCS Diesel Fuel Day Tank (Initial fuel source to Unit 2 HPCS Pump Motor Diesel Generator)	Diesel	1,700
Diesel Fire Pump Day Tank "A" ("A" Diesel Fire Pump)	Diesel	550
Diesel Fire Pump Day Tank "B" ("B" Diesel Fire Pump)	Diesel	550
Gasoline Aboveground Storage Tank (Fueling of plant vehicles)	Gasoline	2,000
Diesel Fuel Aboveground Storage Tank (Fueling of Plant Vehicles)	Diesel	2,000
Technical Support Center (TSC) / Security Diesel Fuel Storage Tank (Underground Storage Tank) (Emergency generators for TSC and Security buildings)	Diesel	2,000
TSC Diesel Generator Day Tank (Initial fuel to TSC Diesel Generator)	Diesel	275
Security Diesel Generator Day Tank (Initial fuel to Security Diesel Generator)	Diesel	275
IDNS Diesel Fuel Oil Storage Tank (UST) (Emergency backup)	Diesel	550
FLEX F750 Truck with Refueling Tanks (Mobile Emergency Refueling)	Diesel	250
B.5.b Emergency Diesel Pump (Trailer-mounted tank for portable emergency pump)	Diesel	200
FLEX Emergency Diesel Pump #2 (HL130) (Trailer-mounted tank for portable emergency pump)	Diesel	250
FLEX Emergency Diesel Pump #3 (HL130) (Trailer-mounted tank for portable emergency pump)	Diesel	250
FLEX Emergency Diesel Hale Pump (OFF30A)	Diesel	420
FLEX Emergency Diesel Hale Pump (OFF30B)	Diesel	420
FLEX Mobile Fuel Tank	Diesel	390
South Service Building Emergency Diesel Generator (Emergency backup)	Diesel	150

- d. In general, LSCS heating, ventilating, and air conditioning systems that are classified as engineered safety features are powered from on-site redundant essential power sources and remain operable during loss of offsite power. Non-safety related heating, ventilating and air conditioning systems in the power block are powered from an onsite power distribution system and would shut down on loss of offsite electric power. Non-safety related heating, ventilating and air conditioning systems in outlying structures are powered from an offsite power distribution system and would shut down on loss of offsite electric power.
- e. LSCS has no onsite waste oil incinerator.

List of Attachments:

None.