PERMIT EXPIRATION DATE
July 01, 2027

Owner Mailing Contact:

Lawrence Berkeley National Laboratory
One Cyclotron Rd, Mailstop 75R0123
Berkeley , CA 94720-4720
Attn: Jim Buehler

Facility ID: 723

Lawrence Berkeley National Laboratory
One Cyclotron Road
Berkeley , CA 94720-4720

Owning Entity:

Lawrence Berkeley National Laboratory

DEVICES

This document serves as your Permit to Operate the following:

S69 **67 BR 005 (LBNL Bldg 67)**
Combustion / Boiler/Heater / Commercial/Institutional; Hot Water, 3 MMBTU/Hr, Natural gas
Registered

S96 **PAINT SPRAY BOOTH, AIR FILTERS**
Surface Coating / Surface Coating Operation
Permitted

Authorized emissions flows from this device:
S96 (Surface Coating /Surface Coating Operation) --> A96 (Particulate Control /Particulate Filter /Other Dry Filter) --> P96 (Emission Point 96)

S97 **SANDBLAST SHOP (Bldg 77, Rm 165A)**
Chemical Process / Other Chemical Process / Other
Permitted

Authorized emissions flows from this device:
S97 (Chemical Process /Other Chemical Process /Other) --> A97 (Particulate Control /Baghouse /Shaking) --> P97 (Emission Point 97)

S117 **67 BR 006 (LBNL Bldg 67)**
Combustion / Boiler/Heater / Commercial/Institutional; Hot Water, 3 MMBTU/Hr, Natural gas
Registered

S118 **67 BR007 (LBNL Bldg 67)**
Combustion / Boiler/Heater / Commercial/Institutional; Hot Water, 3 MMBTU/Hr, Natural gas
Registered

S188 **Facility-wide Wipe Cleaning**
Solvent / Solvent Cleaning / Wipe Cleaning, Materials: Multi-solvents
Permitted

S190 **Soil Vapor Extraction System (Bldg 53 & Bldg 58)**
Soil Groundwater Remediation / Soil Vapor Extraction
Permitted

Authorized emissions flows from this device:
S190 (Soil Groundwater Remediation /Soil Vapor Extraction) --> A190 (Organic Control /Adsorption /Activated Carbon/Charcoal) --> P190 (Emission Point 190)

S193 **Diesel Standby Emergency Generator w/ Catalytic Convert**
Diesel Internal Combustion Engine
Stationary, Emergency Standby
380 BHP, Cummins, M11-G2, 2000 (YCEXL0661.AAA)
Permitted

Authorized emissions flows from this device:
S193 (Combustion /Internal Combustion Engine /Emergency Standby) --> A196 (Diesel Particulate Control /Oxidation Catalyst) --> P193 (Emission Point 193)

S194 **Diesel Standby Emergency Generator 150DGFA**
Diesel Internal Combustion Engine
Stationary, Emergency Standby
277 BHP, Cummins, 6CTA8.3-G, 1988
Permitted

Authorized emissions flows from this device:
S194 (Combustion /Internal Combustion Engine /Emergency Standby) --> P194 (Emission Point 194)

S200 **Emergency Standby Diesel Generator Set**
Diesel Internal Combustion Engine
Stationary, Emergency Standby
375 BHP, Cummins, LTA10-G1, 1998
Permitted

Authorized emissions flows from this device:
S200 (Combustion /Internal Combustion Engine /Emergency Standby) --> A200 (Diesel Particulate Control /Diesel Particulate Filter) --> P200 (Emission Point 200)

S202 **Diesel Engine, Onan 275 DFCB, emergency standby**
Diesel Internal Combustion Engine
Stationary, Emergency Standby
360 BHP, Cummins, NTA855-G2, 1985
Permitted

Authorized emissions flows from this device:
S202 (Combustion /Internal Combustion Engine /Emergency Standby) --> P223 (Emission Point 223)

S205 **Diesel Engine, Cummins 300 DFCB, emergency standby**
Diesel Internal Combustion Engine
Stationary, Emergency Standby
465 BHP, Cummins, NTA855-G2, 1987
Permitted

Authorized emissions flows from this device:
S205 (Combustion /Internal Combustion Engine /Emergency Standby) --> P225 (Emission Point 225)

S207 **Emergency Standby Diesel Generator Set**
Diesel Internal Combustion Engine
Stationary, Emergency Standby
380 BHP, Cummins, LTA-10G1, 1998
Permitted

Authorized emissions flows from this device:
S207 (Combustion /Internal Combustion Engine /Emergency Standby) --> A207 (Diesel Particulate Control /Diesel Particulate Filter)

S209 **Diesel Engine, Onan 80 DGDA emergency standby**
Diesel Internal Combustion Engine
Stationary, Emergency Standby
140 BHP, Cummins, 6BT5.9-G1, 1992
Permitted

Authorized emissions flows from this device:
S209 (Combustion /Internal Combustion Engine /Emergency Standby) --> P229 (Emission Point 229)

S212 **Diesel Engine, Onan 125DGEA, emergency standby**
Diesel Internal Combustion Engine
Stationary, Emergency Standby
207 BHP, Cummins, 6CT8.3-G, 1994
Permitted

Authorized emissions flows from this device:
S212 (Combustion /Internal Combustion Engine /Emergency Standby) --> P232 (Emission Point 232)

S213 **Emergency Standby Diesel Generator Set**
Diesel Internal Combustion Engine
Stationary, Emergency Standby
207 BHP, Cummins, 6CT8.3-G, 1995
Permitted

Authorized emissions flows from this device:
S213 (Combustion /Internal Combustion Engine /Emergency Standby) --> A213 (Diesel Particulate Control /Diesel Particulate Filter)

S214 **Diesel Engine, Cummins 175DGFB, emergency standby**
Diesel Internal Combustion Engine
Stationary, Emergency Standby
271 BHP, Cummins, 6CTA8.3-G2, 2002
Permitted

Authorized emissions flows from this device:
S214 (Combustion /Internal Combustion Engine /Emergency Standby) --> P234 (Emission Point 234)

S216 **Diesel Engine, Cummins 350DFCC, emergency standby**
Diesel Internal Combustion Engine
Stationary, Emergency Standby
535 BHP, Cummins, NTA855G3, 1995
Permitted

Authorized emissions flows from this device:
S216 (Combustion /Internal Combustion Engine /Emergency Standby) --> P235 (Emission Point 235)

S218 **Diesel Engine, Cummins 600DFGB, emergency standby**
Diesel Internal Combustion Engine
Stationary, Emergency Standby
750 BHP, Cummins, VTA-28-G5, 1996
Permitted

Authorized emissions flows from this device:
S218 (Combustion /Internal Combustion Engine /Emergency Standby) --> P237 (Emission Point 237)

S219 **Diesel Standby Emergency Generator w/Catalytic Convrtr**
Diesel Internal Combustion Engine
Stationary, Emergency Standby
395 BHP, Cummins, QSM11-G2, 2002 (2CEXL0661AAD)
Permitted

Authorized emissions flows from this device:
S219 (Combustion /Internal Combustion Engine /Emergency Standby) --> A219 (Diesel Particulate Control /Oxidation Catalyst) --> P219 (Emission Point 219)

S220 **KohlerModel400RE0ZV,350kW Gene w/EnviCat Diesel Filter**
Diesel Internal Combustion Engine
Stationary, Emergency Standby
602 BHP, Kohler Model 400, RE0ZV;3.94E6 BTU/HR, Before 1996
Permitted

Authorized emissions flows from this device:
S220 (Combustion /Internal Combustion Engine /Emergency Standby) --> A220 (Diesel Particulate Control /Diesel Particulate Filter) --> P220 (Emission Point 220)

PERMIT EXPIRATION DATE
July 01, 2027

S221 **Emergency Standby Generator**
Diesel Internal Combustion Engine
Stationary, Emergency Standby
230 BHP, Perkins Engine, C6.6, 2008 (8PKXL06.6PJ1)
Permitted

Authorized emissions flows from this device:
S221 (Combustion /Internal Combustion Engine /Emergency Standby) --> P2 (Emission Point 2)

S222 **Standby Emergency Diesel Generator Set**
Diesel Internal Combustion Engine
Stationary, Emergency Standby
755 BHP, Cummins, QSX15-G9, 2009 (9CEXL015.AAJ)
Permitted

Authorized emissions flows from this device:
S222 (Combustion /Internal Combustion Engine /Emergency Standby) --> P222 (Emission Point 222)

S223 **Emergency Standby Diesel Generator Set**
Diesel Internal Combustion Engine
Stationary, Emergency Standby
755 BHP, Cummins, QSX15-G9 NR2, 2011 (BCEXL015.AAJ)
Permitted

Authorized emissions flows from this device:
S223 (Combustion /Internal Combustion Engine /Emergency Standby) --> P223 (Emission Point 223)

S224 **Emergency Standby Diesel Generator Set**
Diesel Internal Combustion Engine
Stationary, Emergency Standby
538 BHP, John Deere, 6135HF485T, 2012 (CJDXL13.5103)
Permitted

Authorized emissions flows from this device:
S224 (Combustion /Internal Combustion Engine /Emergency Standby) --> A224 (Diesel Particulate Control /Diesel Particulate Filter) --> P224 (Emission Point 224)

S225 **Emergency Standby Diesel Generator Set (Bldg 59)**
Diesel Internal Combustion Engine
Stationary, Emergency Standby
2328 BHP, Detroit Diesel/M, MTU 12V4000 G83, 2012 (CMDDL95.4XTR)
Permitted

Authorized emissions flows from this device:
S225 (Combustion /Internal Combustion Engine /Emergency Standby) --> A225 (Diesel Particulate Control /Diesel Particulate Filter) --> P241 (Emission Point 241)

S226 **Portable Emergency Standby Diesel Generator Engine**
Diesel Internal Combustion Engine
Off-Site Portable, Emergency Standby
314 BHP, Unknown Manufacturer, Unknown Model, Before 1996
Permitted

Authorized emissions flows from this device:
S226 (Combustion /Internal Combustion Engine /Emergency Standby) --> P3 (Emission Point 3)

S227 **Portable Emergency Standby Diesel Engine-Generator Set**
Diesel Internal Combustion Engine
Stationary, Emergency Standby
314 BHP, Cummins, QSB7-G9, 2014 (ECEXL06.7AAL)
Permitted

Authorized emissions flows from this device:
S227 (Combustion /Internal Combustion Engine /Emergency Standby) --> P6 (Emission Point 6)

S229 **Boiler**
Combustion / Boiler/Heater / Industrial; Process Heat, 4.2 MMBTU/Hr, Natural gas
Registered

S230 **Boiler**
Combustion / Boiler/Heater / Industrial; Process Heat, 2.4 MMBTU/Hr, Natural gas
Registered

S232 **Boiler**
Combustion / Boiler/Heater / Industrial; Process Heat, 2.4 MMBTU/Hr, Natural gas
Registered

S233 **Boiler**
Combustion / Boiler/Heater / Industrial; Process Heat, 2.4 MMBTU/Hr, Natural gas
Registered

S234 **Boiler**
Combustion / Boiler/Heater / Industrial; Process Heat, 4.2 MMBTU/Hr, Natural gas
Registered

S235 **Emergency Diesel Generator Set (B37)**
Diesel Internal Combustion Engine
Stationary, Emergency Standby
463 BHP, Kohler/John Deer, 6090HFG86, 2017
Permitted

Authorized emissions flows from this device:
S235 (Combustion /Internal Combustion Engine /Emergency Standby) --> P7 (Emission Point 7)

S236 **Emergency Diesel Generator Engine (NE corner of LBNL IGB Facility (Bldg 91))**
Diesel Internal Combustion Engine
Stationary, Emergency Standby
900 BHP, Caterpillar, C18, 2016
Permitted

Authorized emissions flows from this device:
S236 (Combustion /Internal Combustion Engine /Emergency Standby) --> A236 (Diesel Particulate Control /Diesel Particulate Filter) --> P242 (Emission Point 242)

S237 **66 BR 003 (LBNL Bldg 66)**
Combustion / Boiler/Heater / Commercial/Institutional; Hot Water, 3 MMBTU/Hr, Natural gas
Registered

S238 **Portable Emergency Diesel Engine Generator Set**
Diesel Internal Combustion Engine
Stationary, Emergency Standby
433 BHP, Cummins, Inc., QSL9-G9, 2020 (LCEXL08.9AAL)
Permitted

Authorized emissions flows from this device:
S238 (Combustion /Internal Combustion Engine /Emergency Standby) --> P238 (Emission Point 238)

S239 **Portable Emergency Diesel Engine Generator Set**
Diesel Internal Combustion Engine
Stationary, Emergency Standby
433 BHP, Cummins Inc., QSL9-G9, 2020 (LCEXL08.9AAL)
Permitted

Authorized emissions flows from this device:
S239 (Combustion /Internal Combustion Engine /Emergency Standby) --> P239 (Emission Point 239)

S240 **Portable Emergency Diesel Engine Generator Set**
Diesel Internal Combustion Engine
Stationary, Emergency Standby
433 BHP, Cummins Inc, QSL9--G9, 2020
Permitted

Authorized emissions flows from this device:
S240 (Combustion /Internal Combustion Engine /Emergency Standby) --> P240 (Emission Point 240)

S241 **Emergency Standby LOE Natural Gas / LPG Generator Set (B88)**
LPG, Natural gas Internal Combustion Engine
Stationary, Emergency Standby
98 BHP, Katolight, GTA12, 1995
Permitted

Authorized emissions flows from this device:
S241 (Combustion /Internal Combustion Engine /Emergency Standby) --> P244 (Emission Point 244)

S242 **Emergency Standby LOE Diesel Fire Pump Driver (B68)**
Diesel Internal Combustion Engine
Stationary, Emergency Standby
115 BHP, Detroit Diesel, PTA 1SD273, 1979
Permitted

Authorized emissions flows from this device:
S242 (Combustion /Internal Combustion Engine /Emergency Standby) --> P245 (Emission Point 245)

S243 **Emergency Standby LOE Diesel Fire Pump Driver (B82)**
Diesel Internal Combustion Engine
Stationary, Emergency Standby
215 BHP, Detroit Diesel, PTA1/2SD30, 1979
Permitted

Authorized emissions flows from this device:
S243 (Combustion /Internal Combustion Engine /Emergency Standby) --> P243 (Emission Point 243)

S250 **Boiler 66 BR 004 (1 Cyclotron Road)**
Combustion / Boiler/Heater / Space Heat; Space Heat, 3 MMBTU/Hr, Natural gas
Registered

S762 **Portable Diesel Air Compressor**
Diesel Internal Combustion Engine
On-Site Portable, Prime
75 BHP, Kohler, KDI 2504TCR/26A, 2021 (MKHXL02.5TCR)
Permitted

Authorized emissions flows from this device:
S762 (Combustion /Internal Combustion Engine /Prime) --> P246 (Emission Point 246)

S763 **Portable Diesel Air Compressor**
Diesel Internal Combustion Engine
On-Site Portable, Prime
134 BHP, John Deere, 4045HFC04, 2022
Permitted

Authorized emissions flows from this device:
S763 (Combustion /Internal Combustion Engine /Prime) --> P247 (Emission Point 247)

S764 **Portable Diesel Air Compressor**
Diesel Internal Combustion Engine
On-Site Portable, Prime
134 BHP, John Deere, 4045HFC04, 2022
Permitted

Authorized emissions flows from this device:
S764 (Combustion /Internal Combustion Engine /Prime) --> P248 (Emission Point 248)

PERMIT EXPIRATION DATE
July 01, 2027

S765 **Emergency Standby Diesel Engine**
Diesel Internal Combustion Engine
Stationary, Emergency Standby
385 BHP, John Deere, 6090HF484B, 2023
Permitted

Authorized emissions flows from this device:
S765 (Combustion /Internal Combustion Engine /Emergency Standby) --> P249 (Emission Point 249)

S766 **Emergency Standby Diesel Generator**
Diesel Internal Combustion Engine
Stationary, Emergency Standby
2922 BHP, Cummins, QSK60-G6 NR2, 2023
Permitted

Authorized emissions flows from this device:
S766 (Combustion /Internal Combustion Engine /Emergency Standby) --> A237 (NOx Control /Selective Catalytic Reduction (SCR)) --> A238 (Particulate Control /Particulate Filter /Other Dry Filter) --> P250 (Emission Point 250)

S767 **Emergency Standby Diesel Generator**
Diesel Internal Combustion Engine
Stationary, Emergency Standby
762 BHP, Caterpillar, C15, 2023
Permitted

Authorized emissions flows from this device:
S767 (Combustion /Internal Combustion Engine /Emergency Standby) --> A239 (Diesel Particulate Control /Diesel Particulate Filter) --> P251 (Emission Point 251)

S768 **Sub Slab Depressurization System**
Soil Groundwater Remediation / Sub-Slab Depressurization
Permitted

Authorized emissions flows from this device:
S768 (Soil Groundwater Remediation /Sub-Slab Depressurization) --> P252 (Emission Point 252)

The following pollution abatement devices are required under this Permit:

A96	Particulate Control / Particulate Filter / Other Dry Filter
A97	Particulate Control / Baghouse / Shaking
A190	Organic Control / Adsorption / Activated Carbon/Charcoal
A196	Diesel Particulate Control / Oxidation Catalyst
A200	Diesel Particulate Control / Diesel Particulate Filter
A207	Diesel Particulate Control / Diesel Particulate Filter
A213	Diesel Particulate Control / Diesel Particulate Filter
A219	Diesel Particulate Control / Oxidation Catalyst
A220	Diesel Particulate Control / Diesel Particulate Filter
A224	Diesel Particulate Control / Diesel Particulate Filter
A225	Diesel Particulate Control / Diesel Particulate Filter
A236	Diesel Particulate Control / Diesel Particulate Filter
A237	NOx Control / Selective Catalytic Reduction (SCR)
A238	Particulate Control / Particulate Filter / Other Dry Filter
A239	Diesel Particulate Control / Diesel Particulate Filter
A240	Organic Control / SVE Abatement Device
A241	Organic Control / Adsorption / Activated Carbon/Charcoal

The operating parameters described above are based on information supplied by the permit holder and may differ from the limits set forth in the attached conditions of this Permit To Operate. The limits of operation in the permit conditions are not to be exceeded. Exceeding these limits is considered a violation of BAAQMD and is subject to enforcement action.

PERMIT CONDITIONS

The devices described in this document are subject to the following permit conditions:

S69	Subject to Condition #:	**100062**
S117	Subject to Condition #:	**100062**
S118	Subject to Condition #:	**100062**
S188	Subject to Condition #:	**13887**
S190	Subject to Condition #:	**16752**
S193	Subject to Condition #:	**100072, 100073**
S194	Subject to Condition #:	**100072, 100073**
S200	Subject to Condition #:	**24187, 100072, 100073**
S202	Subject to Condition #:	**100072, 100073**
S205	Subject to Condition #:	**100072, 100073**

S207	Subject to Condition #:	**24187, 100072, 100073**
S209	Subject to Condition #:	**100072, 100073**
S212	Subject to Condition #:	**100072, 100073**
S213	Subject to Condition #:	**24187, 100072, 100073**
S214	Subject to Condition #:	**100072, 100073**
S216	Subject to Condition #:	**100072, 100073**
S218	Subject to Condition #:	**100072, 100073**
S219	Subject to Condition #:	**100072, 100073**
S220	Subject to Condition #:	**22019, 100072, 100073**
S221	Subject to Condition #:	**100072, 100073**
S222	Subject to Condition #:	**100072, 100073**
S223	Subject to Condition #:	**100072, 100073**
S224	Subject to Condition #:	**25676, 100072, 100073**
S225	Subject to Condition #:	**25772, 100072, 100073**
S226	Subject to Condition #:	**25943**
S227	Subject to Condition #:	**25943**
S229	Subject to Condition #:	**100062**
S230	Subject to Condition #:	**100062**
S232	Subject to Condition #:	**100062**
S233	Subject to Condition #:	**100062**
S234	Subject to Condition #:	**100062**
S235	Subject to Condition #:	**100072, 100073**
S236	Subject to Condition #:	**100072, 100073, 100102**
S237	Subject to Condition #:	**100062**
S238	Subject to Condition #:	**27274**
S239	Subject to Condition #:	**27274**
S240	Subject to Condition #:	**27274**
S241	Subject to Condition #:	**23112**
S242	Subject to Condition #:	**100072, 100073, 100076**
S243	Subject to Condition #:	**100072, 100073, 100076**
S250	Subject to Condition #:	**100062**
S762	Subject to Condition #:	**100201**
S763	Subject to Condition #:	**100201**

S764	Subject to Condition #:	**100201**
S765	Subject to Condition #:	**100072, 100073**
S766	Subject to Condition #:	**27785, 100072, 100073**
S767	Subject to Condition #:	**100072, 100073, 100102**
S768	Subject to Condition #:	**100431**

Condition #: 13887 S188

1. Total wipe cleaning solvent shall not exceed 2095 liters (553 gallons) of precursor organic solvents and 1315 liters (347 gallons) of non-precursor organic solvents in any consecutive 12 month period.

2. Records shall be maintained in a District approved logbook of the amount and type of wipe cleaning solvent used on a quarterly basis. Records shall be maintained for a period of at least 24 months from the date of entry and made readily available to District staff upon request.

Condition #: 16752 S190

Conditions for S-190, Soil Vapor Extraction System
at Plant 723, Lawrence Berkeley Lab

1. Source S-190 shall be vented at all times to A-190, two 1000 lb capacity activated carbon vessels arranged in series. Influent vapor flow shall not exceed 215 scfm.

2. The operator of this source shall monitor with a photo-ionization detector (PID), flame-ionization detector (FID), or other method approved in writing by the District's Source Test Manager at the following locations:
   a. At the inlet to the second to last carbon vessel in series.
   b. At the inlet to the last carbon vessel in series.
   c. At the outlet of the carbon vessel that is last in series prior to venting to the atmosphere. When using an FID to monitor breakthrough, readings may be taken with and without a Carbon filter tip fitted on the FID probe. Concentrations measured with the Carbon filter tip in place shall be considered methane for the purpose of these permit conditions.
3. These monitor readings shall be recorded in a monitoring log at the time they are taken. The monitoring results shall be used to estimate the frequency of Carbon change-out necessary to maintain compliance with conditions number 4 and 5, and shall be conducted on a monthly basis. The operator of this source may propose for District review, based on actual measurements taken at the site during operation of the source, that the monitoring schedule be changed based on the decline in

organic emissions and/or the demonstrated breakthrough rates of the carbon vessels.
Written approval by the District's Permit Services Division must be received by the operator prior to a change to the monitoring schedule.

4. The second to last Carbon vessel shall be changed out with unspent Carbon upon breakthrough, defined as the detection at its outlet of the higher of the following:
   a. 10 % of the inlet stream concentration to the Carbon vessel.
   b. 10 ppmv (measured as C1).
5. The last Carbon vessel shall be changed out with unspent Carbon upon detection at its outlet of 10 ppmv (measured as C1).
6. The operator of this source shall maintain the following records for each month of operation of the source:
   a. The hours and times of operation.
   b. Each monitor reading or analysis result for the day of operation they are taken.
   c. The number of Carbon beds removed from service.

   All measurements, records and data required to be maintained by the operator shall be retained and made available for inspection by the District for at least two years following the date the data is recorded.
7. Any exceedance of conditions number 4 and/or 5 shall be reported to the Enforcement and Compliance Division with the log as well as the corrective action taken. The submittal shall detail the corrective action taken and shall include the data showing the exceedance as well at the time of occurrence.
8. Upon final completion of the remediation project, the operator of Source S-190 shall notify the Permit Services Division within two weeks of decommissioning the operation.

Condition #: 22019 S220

1. The Owner/Operator shall install a Diesel Particulate Filter (A-220) and use it to abate the emissions of unburned hydrocarbons, carbon monoxide and particulates emitted from the S-220 diesel engine at all times that the engine is operated.

(basis: TBACT, Toxic Risk Screen)

Condition #: 23112 S241

1. The owner or operator shall operate the stationary emergency standby engine, only to mitigate emergency conditions or for reliability-related activities (maintenance and testing). Operating while mitigating emergency conditions and while emission testing to show compliance with this part is unlimited. Operating for reliability related activities are limited to 50 hours

per year. (Basis: Emergency Standby Engines, Hours of Operation Regulation 9-8-330)

2. The Owner/Operator shall equip the emergency standby engine(s) with: a non-resettable totalizing meter that measures hours of operation or fuel usage. (Basis: Emergency Standby Engines, Monitoring and Record keeping 9-8-530)

3. Records: The Owner/Operator shall maintain the following monthly records in a District approved log for at least 36 months from the date of entry, (60 months if the facility has been issued a Title V Major Facility Review Permit or a Synthetic Minor Operating Permit). Log entries shall be retained on site, either at a central location or at the engine's location, and made immediately available to the District staff upon request.
   a. Hours of operation (maintenance and testing).
   b. Hours of operation for emission testing.
   c. Hours of operation (emergency).
   d. For each emergency, the nature of the emergency condition.
   e. Fuel usage for engine.

   (Basis: Emergency Standby Engines, Monitoring and Recordkeeping 9-8-530)

Condition #: 24187 S200, S207, S213

Conditions for S-200 Diesel Generator abated by A-200 Catalyzed Diesel Particulate Filter

S-207 Diesel Generator abated by A-207 Catalyzed Diesel Particulate Filter

S-213 Diesel Generator abated by A-213 Catalyzed Diesel Particulate Filter

Application # 18396, Plant # 723

1. The owner/operator shall operate S-200, S-207 and S-213 Diesel Generators only when abated by A-200, A207 and A-213 Diesel Particulate Filters (respectively).

[Basis: Cumulative increase]

Condition #: 25676 S224

1. The owner/operator shall abate S-224 by the properly maintained and properly operated A-224 during all times of operation. [Basis: Cumulative Increase]
2. The owner/operator shall properly install and operate a backpressure monitor that notifies the owner or operator when the high backpressure limit of the engine is approached. [Basis: "Stationary Diesel Engine ATCM" section 93115, title 17, CA Code of Regulations, subsection 93115.10 (d)(2)]

Condition #: 25772 S225

1. The owner/operator shall abate S-225 by the properly maintained and properly operated A-225 during all times of operation. [Basis: Cumulative Increase]
2. The owner/operator shall properly install and operate a backpressure monitor that notifies the owner or operator when the high backpressure limit of the engine is approached. [Basis: "Stationary Diesel Engine ATCM" section 93115, title 17, CA Code of Regulations, subsection 93115.10 (d)(2)]

Condition #: 25943 S226, S227

1. The owner/operator shall operate at all time the mobile equipment in conformance with the eligibility requirements set forth in BAAQMD Regulation 2-1-220 for portable equipment. [Basis: Portable Eligibility Requirements]
2. The owner/operator shall not exceed 50 hours per year per engine for reliability related activities. [Basis: Cumulative Increase, Toxics]
3. The owner/operator cannot operate the portable engine after January 1, 2020 if it does not comply with 93116.3(b)(3). [Basis: "Portable Engines ATCM" Section 93116.3, Title 17, Code of Regulations, Subsection (b)(3)]
4. The owner/operator shall operate only for the following purposes:
   a. To mitigate emergency conditions;
   b. For emission testing to demonstrate compliance with a District, State, or Federal emission limits; or,
   c. For reliability related activities (maintenance and other testing, but excluding emission testing).

   Operating while mitigating emergency conditions or while emission testing to show compliance with District, State, or Federal emission limits is not limited. [Basis: "Portable Engines ATCM" Section 93116.2, Title 17, CA Code of Regulations, Subsection (a)(15)]
5. The owner/operator shall operate each emergency standby engine only when a non-resettable totallizing meter (with a minimum display capability of 9,999 hours) that

measures the hours of operation for the engine is installed, operated, and properly maintained. [Basis: "Portable Engines ATCM" Section 93116.4, Title 17, CA Code of Regulations, Subsection c(2)(A)]

6. Records: The owner/operator shall maintain the following monthly records in a District approved log for at least five years from the date of entry. Log entries shall be retained on site at a central location, and made immediately available to the District staff upon request.
   a. Hours of operation for reliability related activities (maintenance and testing);
   b. Hours of operation for emission testing to show compliance with emission limits;
   c. Hours of operation (emergency);
   d. For each emergency, the nature of the emergency condition;
   e. Fuel usage for each engine(s); and,
   f. Location and total hours of operation at each off site location.

   [Basis: "Portable Engines ATCM" Section 93116.4, Title 17, CA Code of Regulations, Subsection c(2)]
7. The engine(s) shall not be operated within 1,000 feet of the outer boundary of any K-12 school site, unless the applicable notice requirements of Health and Safety Code Section 42301.6 have been met. [Basis: Regulation 2-1-220.4]

Condition #: 27274 S238, S239, S240

1. The owner/operator shall operate at all times the portable equipment in conformance with the eligibility requirements set forth in BAAQMD Regulation 2-1-413 for equipment at multiple locations within the District. [Basis: Regulation 2-1-413]

2. The owner/operator shall not exceed 50 hours per year per engine for reliability-related activities. [Basis: Cumulative Increase and 17 CCR 93116.2(a)(15)]

3. The owner/operator shall operate only for the following purposes:

   a. To mitigate emergency conditions;
   b. For emission testing to demonstrate compliance with a District, State, or Federal emission limit; or,
   c. For reliability-related activities (maintenance and other testing, excluding emission testing).

   Operating while mitigating emergency conditions or while emission testing to show compliance with District, State, or Federal emission limits is not limited. [Basis: Cumulative Increase, 17 CCR 93116.2(a)(15), and Regulation 2-1-320]

4. The owner/operator shall operate each emergency standby engine only when a non-resettable totalizing meter

(with a minimum display capability of 9,999 hours) that measures the hours of operation for the engine is installed, operated and properly maintained. [Basis: 17 CCR 93116.4(b)(2)(A)]

5. The owner/operator shall maintain the following monthly records in a District-approved log for at least five years from the date of entry. Log entries shall be retained on-site at a central location, and made immediately available to the District staff upon request.

   a. Hours of operation for reliability-related activities (maintenance and testing);
   b. Hours of operation for emission testing to show compliance with emission limits;
   c. Hours of operation (emergency);
   d. For each emergency, the nature of the emergency condition;
   e. Fuel usage for each engine(s); and,
   f. Location and total hours of operation at each off-site location.

   [Basis: Basis: 17 CCR 93116.4]

6. The engine(s) shall not be operated within 1,000 feet of the outer boundary of any K-12 school site, unless the applicable notice requirements of Health and Safety Code Section 42301.6 have been met. [Basis: Regulation 2-1-413.3]

Condition #: 27785 S766

Tier 2 Engines, equipped with add-on SCR and DPF; ST for NOx/CO and POC

1. The owner/operator shall ensure the engine is abated at all times of operation by an approved Selective Catalytic Reduction (SCR) System and Diesel Particulate Filter (DPF) equipped with a backpressure monitor or other approved Diesel Exhaust Particulate Matter Abatement System. The engine, SCR System, and DPF with backpressure monitor or other approved system shall be installed, maintained, and operated in accordance with the manufacturer specifications and/or best modern practices. [Basis: Cumulative Increase, Title 17 CCR Section 93115.6(a)(3), 40 CFR 1039.101, BACT, TBACT]

2. The owner/operator shall take all corrective actions recommended by the manufacturer in response to backpressure monitor notifications. [Basis: Cumulative Increase, Title 17 CCR Section 93115.6(a)(3), 40 CFR 1039.101, BACT, TBACT]

3. The owner/operator shall ensure urea injection

commences as soon as the SCR catalyst bed reaches minimum operating temperature as specified by the manufacturer.
[Basis:Cumulative Increase, Title 17 CCR Section 93115.6(a)(3), 40 CFR 1039.101, BACT, TBACT]

4. The owner/operator shall ensure engine emissions do not exceed an ammonia (NH3) slip of 10 ppmv, dry @ 15% O2 from the SCR system. If deemed necessary to demonstrate compliance with Regulation 2, Rule 5, the Air District may require a source test to determine compliance with this emission limit.
[Basis: Regulation 2, Rule 5]

5. The owner/operator shall ensure engine emissions do not exceed the following limits:
NOx: 0.50 g/bhp-hour
POC: 0.14 g/bhp-hour
CO: 2.60 g/bhp-hour
PM: 0.02 g/bhp-hour
[Basis: BACT and Cumulative Increase]

6. To demonstrate compliance with Part 5, the owner/operator shall conduct an initial Air District-approved source test within 60 days of startup and once every three years thereafter at the normal or expected load during emergency operation using Air District approved source test methods. The owner/operator shall document urea usage (gallons per minute) and average kW during all tests, preferable as digital records. The owner/operator shall submit the source test results to the Air District's Source Test Section no later than 60 days after source test completion.
[Basis: BACT and Cumulative Increase]

7. The owner/operator shall comply with all applicable testing, sampling port location and safe access requirements as specified in Volume IV of the Air District's Manual of Procedures. The owner/operator shall notify the Air District's Source Test Section, in writing, of the source test protocols, sampling port locations, layout, access and projected test dates at least 30 days prior to testing. The following test methods shall be used for each pollutant:
PM(filterable) EPA Method 5 or Air District-approved equivalent
NOx EPA Method 7E or Air District-approved equivalent
POC EPA Method 25A and EPA Method 18 or Air District-approved equivalent
CO EPA Method 10 or Air District-approved equivalent.
[Basis: Regulation 2-1-403]

8. To determine compliance with the above

conditions, the owner/operator shall maintain the following records in a Air District-approved log and shall make these records available to Air District staff upon request. All records shall be retained for at least 36 months from the date of entry (60 months if the facility has been issued a Title V Major Facility Review Permit or Synthetic Minor Operating Permit). These recordkeeping requirements shall not replace the recordkeeping requirements contained in any applicable Air District or state regulations.
a. Source Test Notifications
b. All source test reports
c. Engine serial number and source number for each source test
d. Engine load percentage
e. Engine, SCR, and DPF maintenance records
f. SCR system owner's manual or manufacturer's specifications
g. DPF owner's manual or manufacturer's specifications
h. All backpressure and corrective actions
i. SCR urea injection rate (gpm)
[Basis: BACT, Cumulative Increase, Recordkeeping]

Condition #: 100062 S69, S117, S118, S229, S230, S232, S233, S234, S237, S250

1. Owner/Operator affirms its understanding of, and agrees to comply with, the requirements set forth in BAAQMD Regulation 9, Rule 7, and the terms and conditions of this Registration.
2. Owner/Operator agrees to satisfy the annual source test requirements under BAAQMD Regulation 9, Rule 7.
3. Owner/Operator agrees to maintain all records required under BAAQMD Regulation 9, Rule 7 for no less than 24 months (2 years), and to make the records available to the District upon request.
4. Owner/Operator will notify the District within 30 days if the registered Facility ceases operation or if the Facility changes Owner or Operator.
5. Owner/Operator signing this registration certificate electronically expressly affirms that it has authority to register the boiler, steam generator, and process heater equipment, and that all of the information provided herein is true and correct.

Condition #: 100072 S193, S194, S200, S202, S205, S207, S209, S212, S213, S214, S216, S218, S219, S220, S221, S222, S223, S224, S225, S235, S236, S242, S243, S765, S766, S767

1. The owner or operator shall operate each emergency standby engine only for the following purposes: to mitigate emergency conditions, for emission testing to demonstrate compliance with a District, state or Federal emission limit, or for reliability-related activities (maintenance and other testing, but excluding emission testing). Operating while mitigating emergency conditions or while emission testing to show compliance with District, state or Federal emission limits is not limited.
[Basis: Title 17, California Code of Regulations, section 93115, ATCM for Stationary CI Engines]
2. The owner/operator shall operate each emergency standby engine only when a non-resettable totalizing meter (with a minimum display capability of 9,999 hours) that measures the hours of operation for the engine is installed, operated and properly maintained.
[Basis: Title 17, California Code of Regulations, section 93115, ATCM for Stationary CI Engines]
3. Records: The owner/operator shall maintain the following monthly records in a District-approved log for at least 36 months from the date of entry (60 months if the facility has been issued a Title V Major Facility Review Permit or a Synthetic Minor Operating Permit). Log entries shall be retained on-site, either at a central location or at the engine's location, and made immediately available to the District staff upon request.

i. Hours of operation for reliability-related activities (maintenance and testing).
ii. Hours of operation for emission testing to show compliance with emission limits.
iii. Hours of operation (emergency).
iv. For each emergency, the nature of the emergency condition.
v. Fuel usage for each engine(s).
[Basis: Title 17, California Code of Regulations, section 93115, ATCM for Stationary CI Engines]

4. At School and Near-School Operation: If the emergency standby engine is located on school grounds or within 500 feet of any school grounds, the following requirements shall apply: The owner or operator shall not operate each stationary emergency standby diesel-fueled engine for non-emergency use, including maintenance and testing, during the following periods:
   i. Whenever there is a school sponsored activity (if the engine is located on school grounds)
   ii. Between 7:30 a.m. and 3:30 p.m. on days when school is in session.

   "School" or "School Grounds" means any public or private school used for the purposes of the education of more than 12 children in kindergarten or any of grades 1 to 12, inclusive, but does not include any private school in which education is primarily conducted in a private home(s). "School" or "School Grounds" includes any building or structure, playground, athletic field, or other areas of school property but does not include unimproved school property.
   [Basis: Title 17, California Code of Regulations, section 93115, ATCM for Stationary CI Engines]

Condition #: 100073 S193, S194, S200, S202, S205, S207, S209, S212, S213, S214, S216, S218, S219, S220, S221, S222, S223, S224, S225, S235, S236, S242, S243, S765, S766, S767

The owner/operator shall not exceed the following limits per year per engine for reliability-related activities:

- S193 - 50 Hours of Diesel fuel(Diesel fuel)
- S194 - 50 Hours of Diesel fuel(Diesel fuel)
- S200 - 50 Hours of Diesel fuel(Diesel fuel)
- S202 - 30 Hours of Diesel fuel(Diesel fuel)
- S205 - 30 Hours of Diesel fuel(Diesel fuel)
- S207 - 50 Hours of Diesel fuel(Diesel fuel)
- S209 - 30 Hours of Diesel fuel(Diesel fuel)
- S212 - 30 Hours of Diesel fuel(Diesel fuel)
- S213 - 50 Hours of Diesel fuel(Diesel fuel)
- S214 - 50 Hours of Diesel fuel(Diesel fuel)
- S216 - 30 Hours of Diesel fuel(Diesel fuel)
- S218 - 50 Hours of Diesel fuel(Diesel fuel)
- S219 - 50 Hours of Diesel fuel(Diesel fuel)
- S220 - 50 Hours of Diesel fuel(Diesel fuel)
- S221 - 50 Hours of Diesel fuel(Diesel fuel)
- S222 - 50 Hours of Diesel fuel(Diesel fuel)
- S223 - 50 Hours of Diesel fuel(Diesel fuel)
- S224 - 50 Hours of Diesel fuel(Diesel fuel)
- S225 - 50 Hours of Diesel fuel(Diesel fuel)
- S235 - 50 Hours of Diesel fuel(Diesel fuel)
- S236 - 50 Hours of Diesel fuel(Diesel fuel)
- S242 - 34 Hours of Diesel fuel(Diesel fuel)
- S243 - 34 Hours of Diesel fuel(Diesel fuel)
- S765 - 50 Hours of Diesel fuel(Diesel fuel)
- S766 - 50 Hours of Diesel fuel(Diesel fuel)
- S767 - 50 Hours of Diesel fuel(Diesel fuel)

[Basis: Cumulative Increase; Regulation 2-5; Title 17, California Code of Regulations, section 93115, ATCM for Stationary CI Engines]

Condition #: 100076 S242, S243

The owner/operator shall operate this emergency standby engine only when directly coupled to pump(s) exclusively used in water-based fire protection system(s).

Condition #: 100102 S236, S767

1. The owner/operator shall abate the particulate emissions from the emergency diesel engine by the Diesel Oxidation Catalyst/Particulate Filter at all times the engine is in operation. [Basis: Toxics, "ATCM for Stationary Compression Ignition Engines" Section 93115.6(a)(3) or 93115.6(b)(3), title 17, CA Code of Regulations]

2. The owner/operator shall comply with requirements for CARB Executive Order DE-08-009-12. [Basis: CARB Executive Order DE-08-009-12, "ATCM for Stationary Compression Ignition Engines" Section 93115.13(f), title 17, CA Code of Regulations, Toxics, Sections 2700 through 2711 of title 13, CA Code of Regulations]

Condition #: 100201 S762, S763, S764

This permit condition as initially adopted in Application 32057 on December 21, 2023, is further amended in Application 32116.

1. The owner/operator of S-762, S-763, and S-764 shall not operate at any one footprint for more than 12 consecutive months, following the date of initial operation at that footprint. The owner/operator shall not move the equipment and then return it to the same location in an attempt to circumvent the portable equipment time requirement.

[Basis: §93116.2(a)(29) of the ATCM for Portable Diesel Engines]

2. The owner/operator of S-762, S-763, and S-764 shall not operate for more than 4,500 hours in any consecutive 12-month period, each.

[Basis: Cumulative Increase and Toxics]

3. The owner/operator of S-762, S-763, and S-764 shall not operate any of the respective sources outside the Lawrence Berkeley National Laboratory facility, 1 Cyclotron Road, Berkeley, California, 94720.

[Basis: Cumulative Increase, Toxics]

4. The owner/operator shall fire S-762, S-763, and S-764 Diesel Engines exclusively with CARB diesel fuel.

[Basis: Cumulative increase, Section 93116.3(a) of the ATCM for Portable Diesel Engines]

5. The owner/operator shall operate each portable prime engine only when a non-resettable totalizing meter (with a minimum display capability of 9,999 hours) that measures the hours of operation for the engine is installed, operated and properly maintained.

[Basis: 17 CCR §93116.4(b)(2)(A)]

6. The owner/operator shall maintain the following monthly records in a District-approved log for at least five years from the date of entry. Log entries shall be retained on-site at a central location, and made immediately available to the District staff upon request.

a. Hours of operation for each portable engine;

b. Total hours of operation on a consecutive 12-month basis, for each portable engine; and,

c. Fuel usage for each engine.

[Basis: 17 CCR §93116.4]

Condition #: 100431 S768

This condition as initially adopted in New Source Review Application #32009 on September 16, 2024, is further amended in New Source Review Application #741112.

1. The influent vapor flow rate shall not exceed 120 scfm from the blower of the sub-slab depressurization system (S-768).

[Basis: Cumulative Increase and Regulation 2-5]

2. In no event shall the total of benzene, vinyl chloride, perchloroethylene, methylene chloride, and trichloroethylene emissions combined to the atmosphere from the sub-slab depressurization system (S-768) exceed 1 pound per day.

[Basis: Regulations 8-47-113 and 8-47-402]

3. The owner/operator shall not emit from the sub-slab depressurization system (S-768) more than 2 pounds of precursor organic compounds (POC) and 1 pounds of non-precursor organic compounds (NPOC) per 12-month consecutive period.

[Basis: Cumulative Increase]

4. The owner/operator shall maintain the following information for each month of operation:

a. Hours and time of operation.

b. Each emission test, analysis, or monitoring results logged in for the day of operation they were taken.

c. Total throughput of soil vapor from source in standard cubic feet.

Such records shall be retained and made available for inspection by the District for two (2) years following the date the data is recorded.

[Basis: Recordkeeping]

5. The owner/operator shall report any noncompliance with these conditions to the Compliance and Enforcement Division at the time that it is first discovered. The owner/operator shall detail the corrective action taken and include the data showing the exceedance as well as the time of occurrence in the submittal.

[Basis: Regulation 2-1-403]

6. The owner/operator shall maintain a file containing all measurements, records and other data that are required to be collected pursuant to the various provisions of this condition. All measurements, records and data required to be maintained by the operator shall be retained for at least two (2) years following the date the data is recorded.

[Basis: Regulation 8-47]

7. Upon final completion of the remediation project, the operator shall notify the Engineering Division within two weeks of decommissioning the operation.

[Basis: Regulation 2-1-403]

END OF CONDITIONS

IMPLIED CONDITIONS

Unless your specific permit conditions state otherwise, the throughputs, fuel and material consumptions, capacities and hours of operation described in your permit application will be considered maximum allowable limits.

A new permit will be required before any increase in parameters, such as throughputs, fuel and material consumption, capacities, and hours of operation, or change in materials, equipment or permit conditions may be made.

RIGHT OF ACCESS

In accordance with Regulation 1-440, BAAQMD shall be granted the right of access to any premises on which an air pollution source s located for the purposes of:

a) The inspection of the source,
b) The sampling of materials used at the source,
c) The conduct of an emission source test, and
d) The inspection of any records required by BAAQMD rule or permit condition

REGULATORY COMPLIANCE

This Permit To Operate does not authorize violations of the rules and regulations of BAAQMD (may be viewed at www.baaqmd.gov), California or Federal law. Compliance with conditions in this permit does not mean that the permit holder is currently in compliance with BAAQMD Rules and Regulations It is the responsibility of the permit holder to have knowledge of and be in compliance with all BAAQMD rules and regulations.

PERMIT EXPIRATION DATE
July 01, 2027

Reported Source Emissions

For RenewalPeriod 7/1/2026 to 7/1/2027

		Annual Average lbs/day				
Source	**Facility Source Description**	**PM**	**Org**	**NOx**	**SO2**	**CO**
S69	67 BR 005 (LBNL Bldg 67)	0.34	0.30	1.71	0.03	3.80
S96	PAINT SPRAY BOOTH, AIR FILTERS	0.00	0.00	0.00	0.00	0.00
S97	SANDBLAST SHOP (Bldg 77, Rm 165A)	0.00	0.00	0.00	0.00	0.00
S117	67 BR 006 (LBNL Bldg 67)	0.34	0.30	1.71	0.03	3.80
S118	67 BR007 (LBNL Bldg 67)	0.34	0.30	1.71	0.03	3.80
S188	Facility-wide Wipe Cleaning	0.00	2.78	0.00	0.00	0.00
S190	Soil Vapor Extraction System (Bldg 53 & Bldg 58)	0.00	0.02	0.00	0.00	0.00
S193	Diesel Standby Emergency Generator w/ Catalytic Convert	0.00	0.00	0.11	0.00	0.00
S194	Diesel Standby Emergency Generator 150DGFA	0.00	0.00	0.02	0.00	0.00
S200	Emergency Standby Diesel Generator Set	0.00	0.00	0.06	0.00	0.00
S202	Diesel Engine, Onan 275 DFCB, emergency standby	0.00	0.00	0.02	0.00	0.00
S205	Diesel Engine, Cummins 300 DFCB, emergency standby	0.00	0.00	0.03	0.00	0.01
S207	Emergency Standby Diesel Generator Set	0.00	0.00	0.02	0.00	0.00
S209	Diesel Engine, Onan 80 DGDA emergency standby	0.00	0.00	0.01	0.00	0.00
S212	Diesel Engine, Onan 125DGEA, emergency standby	0.00	0.00	0.02	0.00	0.00
S213	Emergency Standby Diesel Generator Set	0.00	0.00	0.01	0.00	0.00
S214	Diesel Engine, Cummins 175DGFB, emergency standby	0.00	0.00	0.03	0.00	0.04
S216	Diesel Engine, Cummins 350DFCC, emergency standby	0.00	0.00	0.01	0.00	0.00
S218	Diesel Engine, Cummins 600DFGB, emergency standby	0.00	0.00	0.04	0.00	0.01
S219	Diesel Standby Emergency Generator w/Catalytic Convrtr	0.00	0.00	0.01	0.00	0.00

S220	KohlerModel400RE0ZV,350kW Gene w/EnviCat Diesel Filter	0.00	0.00	0.03	0.00	0.00
S221	Emergency Standby Generator	0.00	0.00	0.01	0.00	0.00
S222	Standby Emergency Diesel Generator Set	0.00	0.00	0.02	0.00	0.00
S223	Emergency Standby Diesel Generator Set	0.00	0.00	0.03	0.00	0.00
S224	Emergency Standby Diesel Generator Set	0.00	0.00	0.13	0.00	0.02
S225	Emergency Standby Diesel Generator Set (Bldg 59)	0.00	0.02	0.52	0.00	0.04
S226	Portable Emergency Standby Diesel Generator Engine	0.00	0.00	0.00	0.00	0.03
S227	Portable Emergency Standby Diesel Engine-Generator Set	0.00	0.00	0.00	0.00	0.01
S229	Boiler	0.14	0.31	5.88	0.03	1.36
S230	Boiler	0.14	0.31	5.88	0.03	1.36
S232	Boiler	0.14	0.31	5.88	0.03	1.36
S233	Boiler	0.14	0.31	5.88	0.03	1.36
S234	Boiler	0.14	0.31	5.88	0.03	1.36
S235	Emergency Diesel Generator Set (B37)	0.00	0.00	0.00	0.00	0.04
S236	Emergency Diesel Generator Engine (NE corner of LBNL IGB Facility (Bldg 91))	0.00	0.00	0.00	0.00	0.02
S237	66 BR 003 (LBNL Bldg 66)	0.34	0.30	1.71	0.03	3.80
S238	Portable Emergency Diesel Engine Generator Set	0.00	0.00	0.00	0.00	0.00
S239	Portable Emergency Diesel Engine Generator Set	0.00	0.00	0.00	0.00	0.00
S240	Portable Emergency Diesel Engine Generator Set	0.00	0.00	0.00	0.00	0.00
S241	Emergency Standby LOE Natural Gas / LPG Generator Set (B88)	0.00	0.02	0.05	0.00	0.01
S242	Emergency Standby LOE Diesel Fire Pump Driver (B68)	0.00	0.01	0.07	0.00	0.02
S243	Emergency Standby LOE Diesel Fire Pump Driver (B82)	0.00	0.00	0.00	0.00	0.00
S250	Boiler 66 BR 004 (1 Cyclotron Road)	0.34	0.30	1.71	0.03	3.80
S762	Portable Diesel Air Compressor	0.01	0.03	3.53	0.01	0.00
S763	Portable Diesel Air Compressor	0.03	0.03	0.28	0.01	0.00
S764	Portable Diesel Air Compressor	0.00	0.00	0.00	0.00	0.00

S765	Emergency Standby Diesel Engine	0.00	0.00	0.06	0.00	0.01
S766	Emergency Standby Diesel Generator	0.01	0.03	0.12	0.00	0.18
S767	Emergency Standby Diesel Generator	0.00	0.00	0.18	0.00	0.05
S768	Sub Slab Depressurization System	0.00	0.39	0.00	0.00	0.00
	TOTALS	**2.46**	**6.42**	**43.35**	**0.28**	**26.28**

FACILITY TOTALS FOR EACH EMITTED TOXIC POLLUTANT

Pollutant Name	Emissions lbs/day
Formaldehyde	0.10
Methyl alcohol	0.09
Toluene	0.02
Trichloroethylene	0.01
Ethylbenzene	0.01
Diesel Engine Exhaust Particulate Matter	0.06
Isopropyl alcohol	0.78
Xylene	0.01
Perchloroethylene	0.33
Propylene	0.33
1,2-dibromo-3-chloropropane	0.02

Adjusted Prioritization Score: 166.7

Adjusted *Prioritization scores are calculated based on the quantity of toxic air contaminant emissions, the toxicity of the toxic air contaminants, and the proximity of the facility to potential receptors such as residences, hospitals, schools, and workers.*

END OF DOCUMENT