



Plant Name: San Francisco General Hospital

Synthetic Minor Operating Permit Condition

Condition No. 25962

Plant No. 3974

--- SYNTHETIC MINOR OPERATING PERMIT ---

San Francisco General Hospital
1001 Potrero Avenue
San Francisco, CA 94110

Plant #3974

CURRENT SOURCES

S6, Boiler #2, 68.1 MM Btu/hr, max
S7, Emergency Standby Diesel Generator Set, 2,937 BHP
S8, Emergency Standby Diesel Generator Set, 2,937 BHP
S9, Emergency Standby Diesel Generator Set, 3,604 BHP
S10, Emergency Standby Diesel Generator Set, 3,604 BHP
S11, Emergency Standby Diesel Generator Set, 3,604 BHP
S12, Space Heat Boiler #1, 24.5 MM Btu/hr, max
S13, Space Heat Boiler #2, 24.5 MM Btu/hr, max
S15, Emergency Standby Diesel Generator Set, 228 BHP
S16, Emergency Standby Diesel Generator Set, 749 BHP

CURRENT ABATEMENT DEVICES

A7, Diesel Catalyzed Particulate Filter
A8, Diesel Catalyzed Particulate Filter
A9, Diesel Catalyzed Particulate Filter
A10, Diesel Catalyzed Particulate Filter
A11, Diesel Catalyzed Particulate Filter

FUTURE SOURCES

None

FUTURE ABATEMENT DEVICES

None

EXEMPT SOURCES

None

This facility, Site # A3974, has a synthetic minor operating permit. This operating permit covers all equipment existing at this facility as of permit issuance. The sources and abatement devices are listed above.

The following conditions establish the federally enforceable permit terms that ensure this plant is classified as a Synthetic Minor Facility under District Regulation 2, Rule 6, Major Facility Review, and ensure it is not subject to the permitting requirements of Title V of the Federal Clean Air Act as amended in 1990 and 40 CFR Part 70. All applications submitted by the applicant and all modifications to the plant's equipment after issuance of the



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synthetic minor permit must be evaluated to ensure that the facility will not exceed the synthetic minor general limits below, and that sufficient monitoring, recordkeeping, and reporting requirements are imposed to ensure enforceability of the limits.

Any revision to a condition establishing this plant's status as a Synthetic Minor Facility or any new permit term that would limit emissions of a new or modified source for the purpose of maintaining the facility as a synthetic minor must undergo the procedures specified by Regulation 2, rule 6, section 423. The basis for the synthetic minor conditions is an emission limit of 95 tons per year for regulated air pollutants, an emission limit for a single hazardous air pollutant of 9 tons per year, and an emission limit for a combination of hazardous air pollutants of 23 tons per year.

Any District conditions that do not establish this facility as a synthetic minor are marked with an asterisk. The facility must comply with all conditions, regardless of asterisks, and must comply with all District requirements for new and modified sources regardless of its status as a synthetic minor.

1. The owner/operator shall ensure that the emissions from this site do not exceed any of the emission limits listed below. The owner/operator shall demonstrate compliance with these emission limits by complying with all emission limits, monitoring procedures, and record keeping requirements identified in Parts 4-18 below.

[Basis: Regulation 2-6-423]

NOx	95 tons/year
CO	95 tons/year
POC	95 tons/year
PM10	95 tons/year
SO2	95 tons/year
Any Single HAP	9 tons/year
Combination of HAPs	23 tons/year

2. The owner/operator shall fire Source S6 primarily on natural gas, except for short periods of up to 48 hours per year for testing and maintenance operations, plus an additional 168 hours per year for emergency operations. [Basis: Regulations 9-7-113]
3. The owner/operator shall fire Sources S12 and S13 exclusively on natural gas. [Basis: NSPS, Cumulative Increase]
4. The owner/operator shall not exceed a firing rate of



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- 68.1 MM Btu/hour at Source S6 (based on HHV of the fuel) when firing natural gas. [Basis: NSPS, Avoidance of Title V Permitting Requirements]
5. The owner/operator shall not exceed a firing rate of 24.5 MM Btu/hour per boiler at Sources S12 and S13 (based on HHV of the fuel) when firing natural gas. [Basis: NSPS]
 6. The owner/operator shall use no more than 596,556 therms of total fuel at Source S6 during any successive 12-month period. [Basis: Cumulative Increase; Regulation 9, Rule 7-112.2; Avoidance of Title V Permitting]
 7. The owner/operator shall ensure that emissions from Source S6 do not exceed the following limits:
NOx: 5 ppmv at 3% O₂, dry
CO: 400 ppmv at 3% O₂, dry
[Basis: Regulation 9-7-112.2; SIP 9-7-301.1; Cumulative Increase; BACT; Avoidance of Title V Permitting]
 8. The owner/operator shall use no more than 2,145,674 therms of total fuel at Sources S12 and S13 during any successive 12-month period. [Basis: Cumulative Increase; BACT]
 9. The owner/operator shall ensure that emissions from Sources S12 and S13 do not exceed the following limits:
NOx: 9 ppmv at 3% O₂, dry
CO: 50 ppmv at 3% O₂, dry
[Basis: Regulation 9-7-307.5; Cumulative Increase; BACT; Avoidance of Title V Permitting]
 10. The owner/operator shall perform an annual source test on Sources S6, S12, and S13 to demonstrate compliance with the above emissions limitations. The owner/operator shall retain the source test results for at least five years from the last date of entry and shall make the source test results available for review by the District upon request. [Basis: Regulations 2-6-501; 9-7-506; Cumulative Increase; District MOP, Volume V; 40 CFR 60.4400; 40 CFR 60.8]
 11. The owner/operator shall equip the gas lines to Sources S6, S12, and S13 with dedicated, standard natural gas meters to monitor the gas flow to each source. [Basis: Cumulative Increase]
 - *12. The owner/operator shall fire Sources S7, S8, S9,



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S10, S11, S15, and S16, Emergency Standby Diesel Generator Engines, exclusively on diesel fuel having a sulfur content of no more than 0.0015% by weight. The sulfur content of the fuel oil shall be certified by the fuel oil vendor. [Basis: Title 17, CCR, 93115: CARB ATCM for Stationary Compression-Ignition Engines]

- *13. The owner/operator shall operate Sources S7, S8, S9, S10, S11, S15, and S16, Emergency Standby Diesel Generator Engines, only during emergency operations or for reliability-related activities. Operations for reliability-related activities shall not exceed 50 hours per year per source for Sources S7, S8, S9, S10, and S11, and shall not exceed 20 hours per year per source for Sources S15 and S16. [Basis: Title 17, CCR, 93115: CARB ATCM for Stationary Compression-Ignition Engines]
- *14. Emergency conditions are defined as any of the following:
 - a. Loss of regular natural gas supply
 - b. Failure of regular power supply
 - c. Flood mitigation
 - d. Sewage overflow mitigation
 - e. Fire
 - f. Failure of a primary motor, but only for such time as needed to repair or replace the primary motor[Basis: Title 17, CCR, 93115: CARB ATCM for Stationary Compression-Ignition Engines]
- 15. The owner/operator shall use no more than 423,650 gallons of diesel fuel at this facility during any consecutive 12-month period. [Basis: Regulation 2, Rule 6; Cumulative Increase]
- *16. The owner/operator shall equip Sources S7, S8, S9, S10, S11, S15, and S16 with non-resettable totalizing meters that measure and record the hours of operation for each engine. [Basis: Title 17, CCR, 93115: CARB ATCM for Stationary Compression-Ignition Engines]
- *17. The owner/operator shall maintain the following monthly records in a District-approved log.
 - a. Total hours of operation for each generator
 - b. Total hours of operation under emergency conditions for each generator, and a description of the nature of each emergency conditionThe owner/operator shall retain these records for at least five years from the last date of entry and shall make the records available for review by the District upon request. [Basis: Regulation 2-6-501; Title 17,



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CCR, 93115: CARB ATCM for Stationary Compression-Ignition Engines]

18. The owner/operator shall maintain the following monthly records in a District-approved log. The rolling 12-month totals shall be derived every month by summing the totals from the most recent twelve-month period. The summaries shall be completed within twenty business days after the end of each month.
- a. Monthly natural gas throughput to S6, S12, and S13 on a source-specific basis;
 - b. HHV of natural gas delivered to S6, S12, and S13 on a monthly basis;
 - c. Monthly records of diesel deliveries for S6, S7, S8, S9, S10, S11, S15, and S16 on a source-specific basis;
 - d. Total natural gas usage at: S6, S12, and S13 on a rolling 12-month basis;
 - e. Total diesel fuel usage at S6, S7, S8, S9, S10, S11, S15, and S16 on a rolling 12-month basis.

The owner/operator shall retain these records for at least five years from the last date of entry and shall make the records available for review by the District upon request. [Basis: Regulations 1-402; 1-441; 1-544; 2-6-501; 9-7-503; 9-7-504; 9-8-530; Title 17, CCR, 93115: CARB ATCM for Stationary Compression-Ignition Engines]

End of Conditions