~~*Revised 6/20/2022*~~*Revised 12/15/2023*

FEDERAL OPERATING PERMIT

Permit No.: **8800567**

Company: **Naval Air Weapons Station, China Lake**

Facility: **Naval Air Weapons Station, China Lake**

Issue date: **6/20/2022**

Expiration date: **6/20/2027**

MOJAVE DESERT AIR QUALITY MANAGEMENT DISTRICT

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Signed and issued by
BRAD POIRIEZ
EXECUTIVE DIRECTOR/
AIR POLLUTION CONTROL OFFICER

PERMIT REVISIONS

Date of Revision	Summary of Revision
12/15/2023	Significant modification of Title V Permit/Federal Operating Permit. Modification of this permit to add ten emergency diesel internal combustion engines (District Permit Numbers E014860-E014869), two new boilers (District Permit Numbers B014870 and B014871), one new asphalt tank (District Permit No. B014872) and one new energetics mixer (District Permit No. B014873). For the Weapons Survivability Laboratory Test Sites (District Permit Numbers B003133, B003277, B007890 and B010539) the energetic 150-pound limit per test was increased to 3,000 pounds per test. For the Fire Deck Research and Test Facility – Minideck (existing District Permit B005156), the allowable fuel usage amounts were modified. Additionally, the allowable hours of usage for engine under District Permit B010828 were reduced to be used as SERs. The cancellation of boiler under District Permit was also included to be used as SERs. District Permits B001066, B00168, B001070, B002908, B004375, C002909, C004376 and E004897 were also removed from the FOP, as they have been cancelled.
6/20/2022	Renewal of Title V Permit/Federal Operating Permit. Modification of this permit included major updates to the formatting, reorganization of state permits within the FOP, additional headers, various administrative changes for clarity in the permits, and facility-wide requirement updates to match current District Rule revisions. A Minor Modification was also performed during the renewal, which includes Replacement of one natural gas boiler, like-for-like (Existing District Permit No. B001074), Addition of one natural gas secondary standby boiler, District Permit No. M014333 (standby for Existing Permit No. B001074), addition of propane and gasoline fuels to be used during tests associated with the Fire Deck Research and Testing Facility (Existing District Permit No. B005156), and an increase of daily throughputs of propane and gasoline for the Cook-Off, Heating and Drop Test Stands (Existing Permit No. I001063, I001064, I003131 and I009100).
01/29/2020	A significant modification to correct the USEPA Family Names and emission rates for Permit Units B012343 and B012344, permit the use of a new abrasive blasting system using PM10 offsets from a road paving project, reduce the boiler tune-up requirement for Permit Units B001074 and B001075 from annually to every five years in accordance with 40 CFR 63.7540(a)(12), add a new powder

	coating system to the currently existing Spray Booth described in Permit Unit S002204, including the installation of an electrically heated curing oven, modify Permit Unit B03155 to allow the operation of the currently permitted hammer mill or the use of a newer, lower powered but more efficient grinder with no change in throughput or emissions, correct a typographical error in the model and serial number of the equipment in Permit Unit C004010, remove unnecessarily specific chemical formulation references from the equipment descriptions in Permit Units B003141, B003155, B003156, and B003161, cancel Permit Unit T010868 as it is no longer in service, update the facility's Site Contact information, and perform minor formatting and spelling/ typographical corrections.
05/15/2018	A significant modification to add five new emergency use diesel fueled generators while simultaneously reducing the authorized hours of operation for two currently permitted diesel fueled generators to provide simultaneous emissions reductions, to cancel two permits, and to update permit conditions for forty-two (42) currently permitted units. There is a slight decrease in emissions of pollutants to the atmosphere as a result of this change.
10/31/2016	An Administrative Amendment to increase the allowed number of operating hours for a diesel-fueled internal combustion engine (B012374) and to decrease the allowed number of operating hours for another diesel-fueled internal combustion engine (B010828). No BACT analysis is required and there is a slight decrease in emissions of pollutants to the atmosphere as a result of this change.
03/26/2016	A minor modification to permit the operation of a replacement aboveground storage tank-equipped Gasoline Dispensing Facility. The replacement system, described in District Permit N012461, will be of the same size and serve the same purpose as the original system described in District Permit N001503, and will produce fewer emissions of pollutants to the atmosphere.
01/25/2016	A significant revision to: a. Discontinue the use of and cancel the active permits for four currently permitted diesel fueled internal combustion engines (B008385, B010587, M008656, and M008657); b. Permit the operation of three new prime use and two emergency use internal combustion engines (B012343, B012344, B012374, E012364, and E012400); and c. Administratively incorporate the addition of one Negative Air machine to the facility's inventory (C012412).

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PART I
INTRODUCTORY INFORMATION

A) FACILITY IDENTIFYING INFORMATION

Owner/Company Name:	United States Navy
Owner's Mailing Address:	Department of the Navy Commanding Officer (Code N45NCW) Naval Air Weapons Station, China Lake 429 E. Bowen Rd, Stop 4014 China Lake, CA 93555-6108
Facility Name:	Naval Air Weapons Station, China Lake
Facility Location:	China Lake, CA
MDAQMD Federal Operating Permit Number:	008800567
MDAQMD Company Number:	88
MDAQMD Facility Number:	567
Responsible Official's Name:	Jeremy T. Vaughan
Responsible Official's Title:	Commanding Officer
Responsible Official's Phone Number:	(760) 939-2211
Alternate Responsible Official's Name:	Donna Ogilvie
Alternate Responsible Official's Title:	Director, Environmental Management Division
Alternate Responsible Official's Phone Number:	(760) 939-3212
Facility Site Contact:	Joseph B. Gaines~~Mr. Michael Olokode~~
Facility Site Contact's Title:	Air Program Manager, Code N45NCW
Facility Site Contact's Phone Number:	(760) 939-~~3230~~9492
Facility's Nature of Business:	National Defense: Research, development, test, and evaluation of aircraft warfare systems, aircraft weapons integration, and airborne electronic warfare systems.
Facility's SIC Code:	9711
Facility's Latitude/Longitude (Main Gate):	35.651333° N, 117.668321° W

B) FACILITY DESCRIPTION

Naval Air Weapons Station, China Lake (NAWS CL) provides and maintains land, facilities and other assets that support the United States Navy's research, development, acquisition, testing and evaluation (RDAT&E) of cutting-edge weapons systems for America's warfighting forces.

C) EQUIPMENT SUMMARY

Permit #	Equipment Name
A002952	ABRASIVE BLAST SYSTEM, OUTDOOR USE (BLDG 31192)
A013623	ABRASIVE BLASTER (IOB)
B001065	ROCKET TEST STAND (SKYTOP BAY ~~I~~X)
~~B001066~~	~~ROCKET TEST STAND (SKYTOP BAY IA)~~
B001067	ROCKET TEST STAND (SKYTOP BAY ~~II~~XI)
~~B001068~~	~~ROCKET TEST STAND (SKYTOP BAY IIA)~~
B001069	ROCKET TEST STAND (SKYTOP BAY ~~III~~IIA)
~~B001070~~	~~ROCKET TEST STAND (SKYTOP BAY IV)~~
B001071	ROCKET TEST STAND (SKYTOP BAY ~~VI~~IX)
B001072	ROCKET TEST STAND (SKYTOP BAY VII)
B001074	STEAM BOILER NO. 13, NATURAL GAS FIRED (SALT WELLS BOILER PLANT #4, BLDG 14530)
B001075	STEAM BOILER NO. 14, NATURAL GAS FIRED (SALT WELLS BOILER PLANT #4, BLDG 14530)
~~B002908~~	~~TEST STAND (CT-3)~~
B003132	ROCKET AND AIR BREATHING TEST STANDS (T-RANGE, AEROHEAT)
B003133	TEST FACILITY (WEAPONS SURVIVABILITY LAB MAIN SITE: HIVAS)
B003139	OVEN (BLDG 15724)
B003141	GRINDER/MILL SYSTEM (SALT WELLS BLDG 15730)
B003142	OVEN (SALT WELLS BLDG 15744)
B003145	GRINDING/M__ILLING SYSTEM (SALT WELLS BLDG 15754)
B003146	MIXER (SALT WELLS BLDG 15813)
B003147	OVEN (SALT WELLS BLDG 15950)
B003148	OVEN (SALT WELLS BLDG15640)
B003155	HAMMER MILLS (SALT WELLS BLDG 15980)
B003156	MILL, FLUID ENERGY (SALT WELLS BLDG 15980)
B003159	OVEN (SALT WELLS BLDG 15590)
B003161	OVEN (SALT WELLS BLDG 15707, SILVER OVEN)
B003162	OVEN, ENVIRONMENTAL CHAMBER (SALT WELLS BLDG 15707, BIG BLUE OVEN)
B003277	TEST FACILITY (WEAPONS SURVIVABILITY RANGE: K-2)
B003315	BOILER No. 33
B003316	BOILER No. 21 (AREA R, BLDG 30851)
B004011	TURBINE, JP-8/F-24 (WEAPONS SURVIVABILITY LAB: PORTABLE HIVAS)

B004091 TEST STAND, ROCKET (SKYTOP BAY VIII)
~~B004375 TEST STAND, CONTAINED BURN TEST CHAMBER (CBAT) (SKYTOP BAY MS3)~~
B005156 FIRE DECK RESEARCH AND TEST FACILITY (MINIDECK)
B007890 TEST FACILITY (WEAPONS SURVIVABILITY RANGE LAB, LFT)
B009083 OVEN, CURING AND DRYING (SALT WELLS, BLDG 15707, JPL OVEN)
B009915 FLASHING FURNACE (GROUND OPS)
B010539 TEST STAND, WEAPONS SURVIVABILITY (ATS)
B010828 DIESEL IC ENGINE, GENERATOR, SUPERIOR VALLEY TESTING AREA
B011470 ROCKET MOTOR TEST FACILITY (~~LTC~~LTF)
B012343 DIESEL IC ENGINE, GENERATOR (MOM SITE, GEN 56)
B012344 DIESEL IC ENGINE, GENERATOR (MOM SITE, GEN 57)
B012374 DIESEL IC ENGINE, GENERATOR (SEABEE TRAINING SITE)
~~C002909 SCRUBBING SYSTEM (CT-3)~~
C003157 BAGHOUSE (SALT WELLS, BLDG 15980)
C003396 NEGATIVE AIR MACHINE, PORTABLE
C003397 NEGATIVE AIR MACHINE, PORTABLE
C003398 NEGATIVE AIR MACHINE, PORTABLE
C003491 SOIL REMEDIATION SYSTEM
C003657 SOIL REMEDIATION SYSTEM (WEST OF BLDG 11040)
C004010 BAGHOUSE (SALT WELLS BLDG 15980)
~~C004376 SCRUBBER - GAS (SKYTOP BAY MS3 - CBAT)~~
C009072 BURN ROOM (FIRE SCIENCES LAB, BLDG 31600)
C012412 NEGATIVE AIR MACHINE, PORTABLE
C013624 BAGHOUSE, ABRASIVE BLASTING SYSTEM (IOB)
~~E004897 GASOLINE IC ENGINE, EMERGENCY FIRE PUMP, K-2~~
E007945 DIESEL IC ENGINE, EMERGENCY FIRE PUMP (SOUTH RANGE, SEA SITE 1)
E007948 DIESEL IC ENGINE, EMERGENCY GENERATOR (SOUTH RANGE, SEA SITE 3)
E008521 DIESEL IC ENGINE, EMERGENCY GENERATOR (BLDG 14050)
E008555 DIESEL IC ENGINE, EMERGENCY GENERATOR (BLDG 01111 WATER TANKS)
E009973 DIESEL IC ENGINE, EMERGENCY GENERATOR (SOUTH RANGE, OPS CENTER, BLDG 70049)
E010633 DIESEL IC ENGINE, EMERGENCY GENERATOR (RANDSBURG WASH, CENTRAL SITE)
E012364 DIESEL IC ENGINE, EMERGENCY FIRE PUMP (~~LTC~~LTF)
E012400 LPG/PROPANE IC ENGINE, EMERGENCY GENERATOR (T-PAD SITE)
E012793 DIESEL IC ENGINE, EMERGENCY GENERATOR (SOUTH RANGE)
E012799 DIESEL IC ENGINE, EMERGENCY GENERATOR (SOUTH RANGE)
E012800 DIESEL IC ENGINE, EMERGENCY GENERATOR (SOUTH RANGE)
E012801 DIESEL IC ENGINE, EMERGENCY GENERATOR (SOUTH RANGE)
E012802 DIESEL IC ENGINE, EMERGENCY GENERATOR (SOUTH RANGE)
I001063 TEST STANDS, CT-4
I001064 TEST STAND, CT-6
I003131 TEST STANDS, CT-1
I009100 TEST STAND, COLISEUM
M014333 SECONDARY STEAM BOILER, NATURAL GAS FIRED (SALT WELLS BOILER PLANT #4, BLDG 14530)

N003062	GASOLINE DISPENSING FACILITY (NON-RETAIL, BLDG 11040)
N003570	GASOLINE DISPENSING FACILITY (NON-RETAIL, BLDG 32571)
N012461	GASOLINE DISPENSING FACILITY (NON-RETAIL, RANDSBURG WASH)
P005142	PAINT SPRAY GUN, WEAPONS SURVIVABILITY LAB, PORTABLE HVLP
P008346	PAINT SPRAY GUN, WEAPONS SURVIVABILITY LAB, PORTABLE HVLP
P009549	PAINT SPRAY GUN, WEAPONS SURVIVABILITY LAB, PORTABLE HVLP
S002204	PAINT SPRAY BOOTH, WEAPONS SURVIVABILITY LAB, BLDG 31198
S003135	PAINT SPRAY BOOTH, CHINA LAKE AREA, (SALT WELLS, BLDG 15950)
S003138	PAINT SPRAY BOOTH, (SALT WELLS, BLDG ~~11680~~TBD)
S007809	PAINT SPRAY BOOTH (IOB)
T005063	PARTS WASHER (SALT WELLS, BLDG 15950)
T009804	PARTS WASHER (SOUTH RANGE, BLD 70004)

PART II
FACILITY-WIDE APPLICABLE REQUIREMENTS AND EMISSIONS LIMITATIONS; MONITORING, RECORDKEEPING, AND REPORTING REQUIREMENTS; TESTING REQUIREMENTS; COMPLIANCE CONDITIONS; AND COMPLIANCE ASSURANCE MONITORING (CAM) PLANS

A) REQUIREMENTS APPLICABLE TO ENTIRE FACILITY AND EQUIPMENT

1. A person shall not build, erect, install, alter, replace, or operate or use any equipment, the use of which may cause the issuance of air contaminants or the use of which may reduce or control the issuance of air contaminants, without first obtaining a written permit from the Air Pollution Control Officer or except as provided in District Rule 202.
[District Rules 201 – *Permits to Construct*]

2. The equipment at this facility shall not be operated contrary to the conditions specified in the District Permit to Operate.
[District Rules 201 – *Permits to Construct* and District Rule 203 – *Permit to Operate*]

3. The Air Pollution Control Officer (APCO) may impose written conditions on any permit.
[District Rule 204 – *Permit Conditions*]

4. Commencing work or operation under a permit shall be deemed acceptance of all the conditions specified in such permit.
[District Rule 204 – *Permit Conditions*]

5. Posting of the Permit to Operate is required on or near the equipment or as otherwise approved by the APCO/District.
[District Rule 206 – *Posting of Permit to Operate*]

6. Owner/Operator shall not willfully deface, alter, forge, or falsify any permit issued under District rules.
[District Rule 207 – *Altering or Falsifying of Permit*]

7. Permits are not transferable.

[District Rule 209 – *Transfer and Voiding of Permits*]

8. The Air Pollution Control Officer may require the Owner/Operator to provide and maintain such facilities as are necessary for sampling and testing.
[District Rule 217 – *Provisions for Sampling and Testing Facilities*]

9. The equipment at this facility shall not require a District permit or be listed on the Title V permit if such equipment is listed in Rule 219 and meets the applicable criteria contained in Rule 219 (B). However, any exempted insignificant activities/equipment are still subject to all applicable facility-wide requirements.
[District Rule 219 – *Equipment Not Requiring a Permit*]

10. The Owner/Operator of this facility shall obtain a Federal Operating Permit for operation of this facility.
[District Rule 221 – *Federal Operating Permit Requirement*]

11. Owner/Operator shall pay all applicable MDAQMD permit fees.
[District Rule 301 – *Permit Fees*]

12. Owner/Operator shall pay all applicable MDAQMD Title V Permit fees.
[District Rule 312 – *Fees for Federal Operating Permits*]

13. Owner/Operator shall not discharge into the atmosphere from any single source of emission whatsoever any air contaminant for a period or periods aggregating more than three minutes in any one hour which is:
    (a) General Visible Emissions Limitation:
        (i) As dark or darker in shade as that designated No. 1 on the Ringelmann Chart, as published by the United States Bureau of Mines, or
        (ii) Of such opacity as to obscure an observer's view to a degree equal to or greater than 20% opacity.
    (b) Abrasive Blasting Visible Emissions Limitation:
        (i) For indoor operations using noncertified Abrasive Blasting materials, of such opacity as to obscure an observer's view to a degree equal to or greater than 20% opacity (or equivalent Ringelmann 1).
        (ii) For outdoor operations using wet abrasive blasting, hydroblasting, vacuum blasting, or abrasives certified for permissible dry outdoor blasting materials, of such opacity as to obscure an observer's view to a degree equal to or greater than 40% opacity (or equivalent Ringelmann 2).
[District Rule 401 – *Visible Emissions*]

14. Except during high wind events, emissions of fugitive dust from any transport, handling, construction, or storage activity at this facility shall not be visible in the atmosphere beyond the property line of the facility. The owner/operator shall comply with the applicable requirements of Rule 403(C) including obtaining and maintaining a District-approved Dust Control Plan.
[District Rule 403 – *Fugitive Dust Control*]

15. Owner/Operator shall not discharge into the atmosphere from this facility, particulate matter (PM) except liquid sulfur compounds, in excess of the concentration at standard conditions, shown in Rule 404, Table 404 (a).
    (a) Where the volume discharged is between figures listed in the table the exact concentration permitted to be discharged shall be determined by linear interpolation.
    (b) This condition shall not apply to emissions resulting from the combustion of diesel or PUC quality natural gas fuels in steam generators or gas turbines.
    (c) For the purposes of this condition, emissions shall be averaged over one complete cycle of operation or one hour, whichever is the lesser time period.
    [District Rule 404 – *Particulate Matter - Concentration*]

16. Owner/Operator shall not discharge into the atmosphere from any source at this facility, solid PM including lead and lead compounds in excess of the rate shown in Rule 405, Table 405(a).
    (a) Where the process weight per hour is between figures listed in the table, the exact weight of permitted discharge shall be determined by linear interpolation.
    (b) For the purposes of this condition, emissions shall be averaged over one complete cycle of operation or one hour, whichever is the lesser time period.
    [District Rule 405 – *Solid Particulate Matter - Weight*]

17. Owner/Operator shall not discharge into the atmosphere, from any single source of emissions whatsoever, sulfur compounds, which would exist as a liquid or gas at standard conditions, calculated as sulfur dioxide (SO_2), greater than or equal to 500 ppm by volume.
    [District Rule 406 – *Specific Contaminants*]

18. Owner/Operator shall not discharge into the atmosphere from this facility, carbon monoxide (CO) exceeding 2000 ppm measured on a dry basis, averaged over a minimum of 15 consecutive minutes.
    (a) The provisions of this condition shall not apply to emissions from internal combustion engines.
    [District Rule 407 – *Liquid and Gaseous Air Contaminants*]

19. Owner/Operator shall not build, erect, install, or use any equipment at this facility, the use of which, without resulting in a reduction in the total release of air contaminants to the atmosphere, reduces or conceals an emission that would otherwise constitute a violation of Chapter 3 (commencing with Section 41700) of Part 4, of Division 26 of the Health and Safety Code or of District Rules.
    (a) This condition shall not apply to cases in which the only violation involved is of Section 41700 of the Health and Safety Code, or of District Rule 402.
    [District Rule 408 - *Circumvention*]

20. Owner/Operator shall not discharge into the atmosphere from this facility from the burning of fuel, combustion contaminants exceeding 0.23 gram per cubic meter (0.1 grain per cubic foot) of gas calculated to 12 percent of carbon dioxide (CO_2) at standard conditions averaged over a minimum of 15 consecutive minutes.
    [District Rule 409 – *Combustion Contaminants*]

21. APCO, at his/her discretion, may refrain from enforcement action against an Owner/Operator of any equipment that has violated a technology-based emission limitation, including but not limited to conditions contained in any permit issued by the District establishing such emission limitation, provided that a Breakdown has occurred per District Rule 430 and the facility has elected to provide immediate notification under District Rule 430, and:
    (a) Any breakdown that results in emissions exceeding a technology-based emission limitation is reported to the District within one hour of such breakdown or within one hour of the time a person knew or reasonably should have known of the occurrence of such breakdown; and
    (b) An estimate of the repair time is provided to the District as soon as possible after the report of the breakdown; and
    (c) All reasonable steps are immediately taken to minimize the levels of emissions and to correct the condition leading to the excess emissions.
    (d) The equipment is operated only until the end of a cycle or twenty-four (24) hours, whichever is sooner, at which time it shall be shut down for repairs unless a petition for an emergency variance has been filed with the clerk of the Hearing Board in accordance with Regulation V – *Procedures Before the Hearing Board*.
    (e) If the breakdown occurs outside normal District working hours, the intent to file an emergency variance shall be transmitted to the District in a form and manner prescribed by the APCO.
    [District Rule 430 – *Breakdown Provisions*]

22. Owner/Operator shall not burn any natural gas fuel at this facility containing sulfur compounds in excess of 16 parts per million (ppmv) calculated as hydrogen sulfide at standard conditions or any diesel fuel having a sulfur content in excess of 0.0015 percent by weight.

    Compliance with Rule 431 sulfur limit for natural gas fuel shall be by the exclusive use of utility grade/pipeline quality natural gas. Records of natural gas supplier fuel quality/sulfur content limit shall be kept on-site for review by District, state or federal personnel at any time. Compliance with District Rule 431 sulfur limit for diesel fuel shall be determined by keeping records of the diesel fuel supplier's fuel analysis guarantee showing fuel sulfur content. The sulfur content of diesel fuel shall be determined by use of American Society for Testing and Materials (ASTM) Method D 5453 or any other equivalent method approved in writing by the APCD, CARB, and the USEPA.
    [District Rule 431 – *Sulfur Content of Fuels*]

23. The owner/operator of this facility shall meet the following emission and operating requirements:
    (a) Shall not discharge VOCs into the atmosphere from all VOC containing materials, Emissions Units, equipment or processes subject to District Rule 442, in excess of 540 kilograms (1,190 pounds) per month at this Facility.
        (i) Compliance with the VOC limit above may be obtained through use of any of the following or any combination thereof:

a. Product reformulation or substitution;
b. Process changes;
c. Improvement of operational efficiency;
d. Development of innovative technology;
e. Operation of emission collection and control system that reduces overall emissions by eighty-five percent (85%).

(b) Shall not discharge into the atmosphere a non-VOC organic solvent in excess of 272 kilograms (600 pounds) per day as calculated on a thirty (30) day rolling average. For purposes of VOC quantification, discharge shall include a drying period of 12 hours following the application of such non-VOC solvents.

(c) The provisions of this condition shall not apply to:
(i) The manufacture, transport or storage of organic solvents, or the transport or storage of materials containing organic solvents.
(ii) The emissions of VOCs from VOC-containing materials or equipment which are subject to District Regulation IV rules or which are exempt from air pollution control requirements by such rules.
(iii) The use of pesticides including insecticides, rodenticides or herbicides.
(iv) The use of 1,1,1 trichloroethane, methylene chloride and trichlorotrifluroethane.
(v) Aerosol products.
(vi) VOC containing materials or equipment which is not subject to VOC limits of any rule found in District Regulation XI – Source Specific Standards.

(d) Owner/operator shall maintain daily usage records for all VOC-containing materials subject to this condition. The records shall be retained for five years and be made available upon request. VOC records shall include but not be limited to:
(i) The amount, type and VOC content of each solvent used; and
(ii) The method of application and substrate type; and
(iii) The permit units involved in the operation (if any).

(e) Determination of VOC Content in Solvent-containing materials, Presence of VOC in Clean-up Materials, or Determination of Efficiency of Emission Control Systems must be made in accordance with methods and provisions of District Rule 442. [District Rule 442 – *Usage of Solvents*]

24. Owner/Operator shall not set open outdoor fires unless in compliance with Rule 444. Outdoor fires burned according to an existing District permit are not considered "open outdoor fires" for the purposes of Rule 444 (Rule 444(B)(10)). [District Rule 444 – *Open Outdoor Fires*]

25. Owner/Operator of this facility shall comply with the Organic Solvent Degreasing Operations requirements of District Rule 1104 when engaged in wipe cleaning, cold solvent cleaning and/or vapor cleaning (degreasing) operations for metal/non-metal parts/products. Some of these requirements are listed as follows:

(a) VOC Content
(i) An Owner/Operator shall not use a Solvent with a VOC content that exceeds 25 grams of VOC per liter, as applied, for cleaning or surface preparation in any operation subject to District Rule 1104.

(ii) As an alternative to, or in lieu of, the 25 grams of VOC per liter requirement indicated above, an Owner/Operator may use cleaning materials with a VOC composite vapor pressure limit of 8 millimeters of mercury (mmHg) or less at 20 degrees Celsius.

(b) Control Equipment

(i) Owners and/or Operators may comply with subsection (C)(1)(a) of District Rule 1104 by using approved air pollution Control Equipment provided that the VOC emissions from such operations and/or materials are reduced in accordance with the following:

a. The Control Equipment shall reduce emissions from an emission collection system by at least 95 percent (95%), by weight, or by reducing the output of the air pollution Control Equipment to less than 25 ppm calculated for carbon with no dilution; and

b. The Owner/Operator demonstrates that the system collects at least 90 percent (90%), by weight, of the emissions generated by the sources of emissions.

(c) Cleaning Equipment and Method Requirements

(i) An Owner/Operator shall not perform Solvent cleaning unless one of the cleaning devices or methods contained in subsections a. through e. below is used, and the applicable requirements in subsections f. through k. below are used:

a. Wipe Cleaning;

b. Closed containers or hand held spray bottles from which Solvents are applied without a propellant-induced force;

c. Cleaning Equipment which as a Solvent container that can be, and is closed during non-operation with the exception of maintenance and repair to the Equipment itself;

d. Non-atomized Solvent flow method where the cleaning Solvent is collected in a container or a collection system which is closed except for Solvent collection openings and, if necessary, openings to avoid pressure build-up inside the container; or

e. Solvent flushing method where the cleaning Solvent is discharged into a container which is closed except for Solvent collection openings and, if necessary, openings to avoid excessive pressure build-up inside the container. The discharged Solvent from the Equipment must be collected into containers without atomizing into the open air. The Solvent may be flushed through the system by air or hydraulic pressure, or by pumping.

f. All Degreasers shall be equipped with the following:

1. An apparatus or cover(s) which reduces solvent evaporation except for Remote Reservoirs.

2. A permanent, conspicuous label summarizing the applicable operating requirements contained in subsection (C)(4) of District Rule 1104. In lieu of a label, operating instructions may be posted near the degreaser where the operators can access the proper operating requirements of District Rule 1104.

g. Remote Reservoirs shall be equipped with the following:
   1. A sink, platform or work area which is sloped sufficiently towards a drain to prevent pooling of Solvent within the work area.
   2. A single or total drain hole area, not larger than 100 square centimeters (15.5 square inches) in area, for the Solvent to flow from the sink (platform/work area) into the Enclosed Reservoir.
   3. If High Volatility Solvent is used, a drain cover/plug/closure device or a cover for placement over the top of the sink (platform/work area), when the Equipment is not being used, cleaned or repaired.
   4. A minimum sink depth of six (6) inches, as measured from the top of the drain to the top of the side of the sink.

h. Cold Solvent Degreasers - Freeboard Requirements:
   1. Cold solvent degreasers using only low volatility solvents, which are not agitated, shall operate with a freeboard height of not less than 6 inches.
   2. Cold solvent degreasers using only low volatility solvents may operate with a freeboard ratio equal to or greater than 0.50 when the cold solvent degreaser has a cover which remains closed during the cleaning operation.
   3. Any cold solvent degreasers using solvent which is agitated, or heated above 50ºC (120ºF) shall operate with a freeboard ratio equal to or greater than 0.75.
   4. A water cover may be used as an acceptable control method to meet the freeboard requirements, when the solvent is insoluble in water and has a specific gravity greater than 1.
   5. Cold Solvent Degreasers using High Volatility Solvent shall have a cover that is a sliding, rolling or guillotine (bi-parting) type which is designed to easily open and close without disturbing the vapor zone.
   6. A permanent, conspicuous mark locating the maximum allowable Solvent level conforming to the applicable freeboard requirements.

i. Conveyorized Cold Solvent Degreasers shall be equipped with the following:
   1. A rotating basket or other method, to prevent cleaned parts from carrying out Solvent liquid.
   2. Minimized entrance and exit openings which silhouette the Workloads such that the average clearance between material and the edges of the cleaner openings are less than 10 centimeters (4 inches) or less than ten (10) percent of the opening width, whichever is greater.
   3. A Freeboard Ratio equal to or greater than 0.75.
   4. Alternately, a hood or enclosure to collect emissions which are vented to Control Equipment may be used to satisfy

requirement of subsection (C)(3)(i)(iii) of District Rule 1104, provided that the air pollution Control Equipment meets the provisions of subsection (C)(2) of District Rule 1104. The collection system shall have a ventilation rate of 15-20 cubic meters per minute per square meter of Solvent cleaner opening (at each Air-Vapor Interface), unless the rate must be changed to meet Federal and State Occupational Safety and Health Administration requirements, and is approved in writing by the Air Pollution Control Officer (APCO).

j. Batch-loaded Vapor Degreasers shall be equipped with the following:
   1. A cover that is a sliding, rolling or guillotine (bi-parting) type which is designed to easily open and close without disturbing the vapor zone.
   2. A Vapor Level Control Thermostat, a Condenser Flow Switch and a Spray Safety Switch.
   3. A Freeboard Ratio greater than or equal to 0.75.
   4. A Primary Condenser.
   5. In addition, Degreasers with an Evaporative Surface Area greater than or equal to one (1) square meter, shall be equipped with a Refrigerated Freeboard Chiller for which the chilled air blanket temperature (degrees Fahrenheit) at the coldest point on the vertical axis in the center of the Air- Vapor Interface shall be no greater than 30 percent of the Initial Boiling Point (degrees Fahrenheit) of the Solvent used, or 40 degrees Fahrenheit, whichever is greater. (If the chiller operates below the freezing temperature of water, it shall be equipped with an automatic defrost).
   6. Alternately, a hood or enclosure to collect emissions which are vented to Control Equipment may be used to satisfy the requirements of subsections (C)(3)(j)(i) and(iii) of District Rule 1104, provided that the air pollution Control Equipment meets the provisions of subsection (C)(2) of District Rule 1104. The collection system shall have a ventilation rate of 15-20 cubic meters per minute per square meter of Solvent cleaner opening (at each Air-Vapor Interface), unless the rate must be changed to meet Federal and/or State Occupational Safety and Health Administration requirements, and is approve in writing by the APCO.

k. Conveyorized Vapor Degreasers shall be equipped with the following:
   1. An enclosed drying tunnel or other method, such as a rotating basket, sufficient to prevent cleaned parts from carrying out Solvent liquid or vapor.
   2. Minimized entrance and exit openings which silhouette the Workloads such that the average clearance between material

and the edges of the Degreaser openings are less than ten (10) centimeters (four (4) inches) or less than ten (10) percent of the opening, whichever is greater.

3. A Primary Condenser.
4. A Freeboard Ratio equal to or greater than 0.75.
5. A vapor control thermostat, a Condenser Flow Switch, and a Spray Safety Switch.
6. Additionally, a Refrigerated Freeboard Chiller for which the chilled air blanket temperature (degrees Fahrenheit) at the coldest point on the vertical axis in the center of the Air- Vapor Interface shall be no greater than 30 percent of the Initial Boiling Point (degrees Fahrenheit) of the Solvent used, or 40 degrees Fahrenheit, whichever is greater. (If the chiller operates below the freezing temperature of water, it shall be equipped with an automatic defrost).
7. Alternately, a hood or enclosure to collect emissions which are vented to Control Equipment may be used to satisfy requirements of subsections (C)(3)(k)(iv) and (vi) of District Rule 1104, provided that the air pollution Control Equipment meets the provisions of subsection (C)(2) of District Rule 1104. The collection system shall have a ventilation rate of 15-20 cubic meters/min per square meter of Degreaser opening (at each Air-Vapor Interface), unless the rate must be changed to meet Federal and State Occupational Safety and Health Administration requirements, and is approved in writing by the District APCO.

(d) Operating Requirements

(i) All Degreasers shall comply with the following requirements:

a. Any solvent cleaning equipment and any emission control device shall be operated and maintained in strict accord with the recommendations of the manufacturer.
b. Degreasers shall not be operating with any detectable solvent leaks.
c. All solvent, including waste solvent, waste solvent residues, and used applicators, shall be stored in closed containers at all times. All containers for any solvent(s) shall have a label indicating the name of the solvent/material they contain.
d. Waste solvent and any residues shall be disposed of by one of the following methods: a commercial waste solvent reclamation service licensed by the State of California; or a federally or state licensed facility to treat, store or dispose of such waste; or the originating facility may recycle the waste solvent and materials in conformance with requirements of Section 25143.2 of the California Health and Safety Code.
e. Degreasers shall be covered to prevent fugitive leaks of vapors, except when processing work or to perform maintenance.
f. Solvent carryout shall be minimized by the following methods:

1. Rack workload arranged to promote complete drainage
2. Limit the vertical speed of the power hoist to 3.3 meters per minute (11 ft/min) or less when such a hoist is used.
3. Retain the workload inside of the vapor zone until condensation ceases.
4. Tip out any pools of solvent remaining on the cleaned parts before removing them from the degreaser if the degreasers are operated manually.
5. Do not remove parts from the degreaser until the parts are visually dry and not dripping/leaking solvent. (This does not apply to an emulsion cleaner workload that is rinsed with water within the degreaser immediately after cleaning.)

g. The cleaning of porous or absorbent materials such as cloth, leather, wood or rope is prohibited.

h. Except for sealed chamber degreasers, all solvent agitation shall be by pump recirculation, a mixer, or ultrasonics.

i. The solvent spray system shall be used in a manner such that liquid solvent does not splash outside of the container. The solvent spray shall be a continuous stream, not atomized or shower type, unless, the spray is conducted in a totally enclosed space, separated from the environment.

j. For those degreasers equipped with a water separator, no solvent shall be visually detectable in the water in the separator.

k. Wipe cleaning materials containing solvent shall be kept in closed containers at all times, except during use.

l. Cleaning operations shall be located so as to minimize air circulation and drafts being directed across the cleaning equipment, the exposed solvent surface, or the top surface of the vapor blanket.

m. A method for draining cleaned material, such as a drying rack suspended above the solvent and within the freeboard area, shall be used so that the drained solvent is returned to the degreaser or container.

(ii) Batch-loaded and Conveyorized Degreasers shall, in addition to the requirements in subsection (C)(4)(a), meet the following operating requirements:

a. When starting the Degreaser, the cooling system shall be turned on before, or simultaneously with, the sump heater.

b. When shutting down the Degreaser, the sump heater shall be turned off before, or simultaneously with, the cooling system.

c. The Workload Area shall not occupy more than half of the Evaporative Surface Area of the Degreaser.

d. Except for Sealed Chambers, the spray must be kept at least ten (10) centimeters (four (4) inches) below the top of the vapor level and be pointed downward, to prevent turbulence at the air-Solvent vapor interface.

(iii) Remote Reservoir Degreasers shall, in addition to the applicable

requirements in subsection (C)(4)(a) of District Rule 1104, meet the following operating requirements:

a. The Solvent pump shall not circulate Solvent into the sink unless a Workload is being actively processed.
b. The sink of a Remote Reservoir Degreaser or any container placed therein may not be used to soak a Workload. Such use is prohibited and such use will cause the unit to be classified as a Cold Solvent Degreaser and be subject to provisions of subsection (C)(3)(h) of District Rule 1104.
c. Parts shall be visually dry and not dripping/leaking Solvent before being removed from the sink. Parts shall be tipped to release any trapped pools of Solvent before being removed from the sink.
d. The Workload must "drip-dry" while being contained completely within the sink.

(e) District Rule 442 Applicability:

Any solvent using operation or facility which is not subject to the source-specific District Rule 1104 shall comply with the provisions of District Rule 442. Any solvent using operation or facility which is exempt from all or a portion of the VOC limits, equipment limits or the operational limits of District Rule 1104 shall be subject to the applicable provisions of District Rule 442.

(f) Solvent Usage Records:

Owner/Operator subject to District Rule 1104 or claiming any exemption under District Rule 1104, Section (E), shall comply with the following requirements:

(i) Maintain and have available during an inspection, a current list of solvents in use at the facility which provides all of the data necessary to evaluate compliance, including the following information separately for each degreaser, as applicable:
   a. Product name(s) used in the degreaser, and
   b. The mix ratio of solvent compounds mixtures of solvents are used, and
   c. VOC content of solvent or mixture of compounds as used, and
   d. The total volume of the solvent(s) used for the facility, on a monthly basis, and
   e. The name and total volume applied of wipe cleaning solvent(s) used, on a monthly basis.

(ii) Additionally, for any degreaser utilizing an add-on emission control device/system as a means of complying with provisions of District Rule 1104 shall, on a monthly basis, maintain records of key system operating and maintenance data. Such data is recorded for the purpose of demonstrating continuous compliance during periods of emission producing activities. The data shall be recorded in a manner as prescribed by the District.

(iii) Documentation shall be maintained on site of the disposal or on site recycling of any waste solvent or residues.

(iv) Records shall be retained (at facility) and available for inspection by District, state or federal personnel for the previous 5 year period as required by this Title V/Federal Operating Permit.

[District Rule 1104 – *Organic Solvent Degreasing Operations*]

26. Owner/Operator's use of Architectural Coatings at this facility shall comply with the requirements of District Rule 1113, including the VOC limits specified in District Rule 1113, part C, as listed below:

VOC CONTENT LIMITS FOR ARCHITECTURAL COATINGS		
Coating Category	**Current Limit**	**Effective 01/01/2022**
Primary Coatings	----	----
Flat Coatings	50	
Nonflat Coatings	100	50
Specialty Coatings	----	----
Aluminum Roof Coatings	400	100
Basement Specialty Coatings	400	
Bituminous Roof Coatings	50	
Bituminous Roof Primers	350	
Bond Breakers	350	
Building Envelope Coatings		50
Concrete Curing Compounds	350	
Concrete/Masonry Sealers	100	
Driveway Sealers	50	
Dry Fog Coatings	150	50
Faux Finishing Coatings	350	
Fire Resistive Coatings	350	150
Floor Coatings	100	50
Form-Release Compounds	250	100
Graphic Arts Coatings (Sign Paints)	500	
High Temperature Coatings	420	
Industrial Maintenance Coatings	250	
Low Solids Coatings [a]	120	
Magnesite Cement Coatings	450	
Mastic Texture Coatings	100	
Metallic Pigmented Coatings	500	
Multi-Color Coatings	250	
Pre-Treatment Wash Primers	420	
Primers, Sealers, and Undercoaters	100	
Reactive Penetrating Sealers	350	
Recycled Coatings	250	
Roof Coatings	50	
Rust Preventative Coatings	250	

Shellacs:	----	----
Clear	730	
Opaque	550	
Specialty Primers, Sealers, and Undercoaters	100	
Stains:	----	----
Exterior/Dual	250	100
Interior	250	100
Stone Consolidants	450	
Swimming Pool Coatings	340	
Tire and Stone Sealers	100	
Traffic Marking Coatings	100	
Tub and Tile Refinish Coatings	420	
Waterproofing Membranes	250	100
Wood Coatings	275	
Wood Preservatives	350	
Zinc-Rich Primers	340	
a: Limit is expressed as VOC Actual		

Limits are expressed as VOC Regulatory, thinned to the manufacturer's maximum recommendation excluding the volume of any water, Exempt Compounds, or Colorant added to tint bases. Manufacturer's maximum recommendation" means the maximum recommendation for thinning that is indicated on the label or lid of the Coating container.
[District Rule 1113 – *Architectural Coatings*]

27. Owner/Operator's use of *Wood Products Coatings* at this facility shall comply with the applicable requirements of Rule 1114, including the VOC limits specified in Rule 1114, as listed below:

Owner/Operator shall not apply to wood products any coatings, including any VOC-containing materials added to the original coating supplied by the manufacturer, which contain VOC in excess of the limits specified below unless emissions to the atmosphere are controlled to an equivalent level by air pollution abatement equipment with a capture and control system Combined Efficiency of at least 90 percent:

VOC CONTENT OF COATINGS AND ADHESIVES FOR NEW WOOD PRODUCTS

(Grams of VOC Per Liter of Coating or Pounds Per Gallon, Less Water and Less Exempt Compounds)

Coating Category	g/L	(lb/gal)
General	275	(2.3)
Adhesives	250	(2.1)
Clear Sealers	275	(2.3)
Clear Topcoats	275	(2.3)

Conversion Varnish	550	(4.6)
Fillers	275	(2.3)
High-Solids Stains	240	(2.0)
Inks	500	(4.2)
Low-Solids Stains, Toners and Washcoats	120	(1.0)
Medium Density Fiberboard (MDF) Coatings	275	(2.3)
Mold Seal	750	(6.3)
Multi-Colored Coatings	275	(2.3)
Pigmented Primers, Sealers and Undercoats	275	(2.3)
Pigmented Topcoats	275	(2.3)

VOC CONTENT OF COATINGS AND ADHESIVES FOR REFINISHING, REPAIRING, PRESERVING, OR RESTORING WOOD PRODUCTS

(Grams of VOC Per Liter of Coating or Pounds Per Gallon, Less Water and Less Exempt Compounds)

Coating Category	g/L	(lb/gal)
General	420	(3.5)
Clear Topcoats	680	(5.7)
Conversion Varnish	550	(4.6)
Fillers	500	(4.2)
High-Solids Stains	700	(5.8)
Inks	500	(4.2)
Low-Solids Stains, Toners and Washcoats	480	(4.0)
Medium Density Fiberboard (MDF) Coatings	680	(5.7)
Mold-Seal Coating	750	(6.3)
Multi-Colored Coatings	680	(5.7)
Pigmented Coatings	600	(5.0)
Sealers	680	(5.7)

[District Rule 1114 – *Wood Products Coating Operations*]

28. Owner/Operator's use of *Metal Parts and Products Coatings* at this facility shall comply with the applicable requirements of Rule 1115, including the VOC limits specified in Rule 1115, as listed below:

Owner/Operator shall not apply to metal parts and products any coatings, including any VOC-containing materials added to the original coating supplied by the manufacturer, which contain VOC in excess of the limits specified below unless emissions to the atmosphere are controlled to an equivalent level by air pollution abatement equipment with a capture and control system Combined Efficiency of at least 90 percent:

VOC CONTENT LIMITS FOR METAL PARTS AND PRODUCTS COATINGS

(Grams of VOC Per Liter of Coating or Pounds Per Gallon, Less Water and Less Exempt Compounds)

Coating Category	Air Dried		Baked	
	g/L	(lb/gal)	g/L	(lb/gal)
General One-Component*	340	(2.8)	275	(2.3)
General Multi-Component*	340	(2.8)	275	(2.3)
Military Specification	340	(2.8)	275	(2.3)
Etching Filler	420	(3.5)	420	(3.5)
Solar-Absorbent	420	(3.5)	360	(3.0)
Heat-Resistant	420	(3.5)	360	(3.0)
High-Gloss	420	(3.5)	360	(3.0)
Extreme High-Gloss	420	(3.5)	360	(3.0)
Metallic	420	(3.5)	360	(3.0)
Extreme-Performance	420	(3.5)	360	(3.0)
Prefabricated Architectural One-Component	420	(3.5)	275	(2.3)
Prefabricated Architectural Multi-Component	420	(3.5)	275	(2.3)
Touch-Up	420	(3.5)	360	(3.0)
Repair	420	(3.5)	360	(3.0)
Silicone-Release	420	(3.5)	420	(3.5)
High-Performance Architectural	420	(3.5)	420	(3.5)
Camouflage	420	(3.5)	360	(3.0)
Vacuum-Metalizing	420	(3.5)	420	(3.5)
Mold-Seal	420	(3.5)	420	(3.5)
High-Temperature	420	(3.5)	420	(3.5)
Electric-Insulating Varnish	420	(3.5)	420	(3.5)
Pan-Backing	420	(3.5)	420	(3.5)
Pretreatment Wash Primer	420	(3.5)	420	(3.5)
Drum (New, Exterior)	340	(2.8)	340	(2.8)
Drum (New, Interior)	420	(3.5)	420	(3.5)
Drum (Reconditioned, Exterior)	420	(3.5)	420	(3.5)
Drum (Reconditioned, Interior)	500	(4.2)	500	(4.2)
Chemical Agent Resistant	340	(2.8)	280	(2.3)

**A General Coating is a Coating that does not meet a specific Coating category definition and is assumed to be a general use Coating and subject to the VOC limit for a General Coating.*

[District Rule 1115 – *Metal Parts & Products Coating Operations*]

29. Owner/Operator's use of *Automotive Refinishing* coatings at this facility shall comply with the applicable requirements of Rule 1116, including the VOC limits specified in

Rule 1116, as listed below:

Owner/Operator shall not apply to metal parts and products any coatings, including any VOC-containing materials added to the original coating supplied by the manufacturer, which contain VOC in excess of the limits specified below unless emissions to the atmosphere are controlled to an equivalent level by air pollution abatement equipment with a capture and control system Combined Efficiency of at least 85 percent:

AUTOMOTIVE REFINISHING COATING CATEGORIES AND VOC LIMITS

(Grams of VOC Per Liter of Coating or Pounds Per Gallon, Less Water and Less Exempt Compounds)

Coating Categories	g/L	(lb/gal)
Adhesion Promoter	540	(4.5)
Clear Coating	250	(2.1)
Color Coating	420	(3.5)
Multi-color Coating	680	(5.7)
Pretreatment Coating	660	(5.5)
Primer	250	(2.1)
Primer Sealer	250	(2.1)
Single-stage Coating	340	(2.8)
Temporary Protective Coating	60	(0.5)
Truck Bed Liner Coating	310	(2.6)
Underbody Coating	430	(3.6)
Uniform Finish Coating	540	(4.5)
Any Other Coating Type	250	(2.1)

[District Rule 1116 – *Automotive Refinishing Operations*]

30. Owner/Operator's use of *Aerospace Vehicle Parts and Products Coating Operations* at this facility shall comply with the applicable requirements of Rule 1118, including the VOC limits specified in Rule 1118, as listed below.

Any person who manufactures or reworks aerospace vehicles by applying or specifying the use of surface coatings for aerospace vehicle parts and products shall comply with the following requirements:

A person shall not apply any coating or specify the use of any coating, which, as applied, emits or may emit volatile organic compounds into the atmosphere in excess of the limits shown in the table below. These limits are expressed in Grams of VOC per Liter of Coating Less Water and Exempt Compounds (VOC content):

VOC CONTENT LIMITS FOR AEROSPACE COATINGS, SOLVENTS AND ADHESIVES

(Grams of VOC Per Liter of Coating or Pounds Per Gallon, Less Water and Less Exempt Compounds)

Coating Category	g/L
Primers	----
General	350
Adhesive Bonding Primers	----
Commercial Aircraft	250
Military Aircraft	805
Commercial Exterior Aerodynamic Structure Primer	650
Compatible Substrate Primer	780
Cryogenic Flexible Primer	645
Elevated-Temperature Skydrol-Resistant Commercial Primer	740
Flexible Primer	640
Low-Solids Corrosion Resistant Primer	650
Primer Compatible with Rain Erosion-Resistant Coating	850
Sealant Bonding Primer	720
Coatings	----
General	350
Ablative Coating	600
Adhesion Promoter Coating	850
Antichafe Coating	420
Bearing Coating	620
Chemical Agent-Resistant Coating (CARC)	500
Conformal Coating	750
Cryoprotective Coating	600
Electric- or Radiation Effect Coating	800
Electrostatic Discharge and Electromagnetic Interference (EMI) Coating	800
Extreme Performance Coating	420
Fire-Resistant (Interior) Coating	----
Civilian	650
Military	800
Space	800
Flight-Test Coating	----
Used on Missiles or Single Use Target Aircraft	420
All Other	840
Fuel-Tank Coating	----
General	420
Rapid Cure	720
High-Temperature Coating	720

Impact-Resistant Coating	420
Intermediate Release Coating	750
Lacquer Coating	830
Metallized Epoxy Coating	700
Mold Release Coating	780
Optical Anti-Reflection Coating	700
Part Marking Coating	850
Pretreatment Coating	780
Rain Erosion-Resistant Coating	600
Rocket Motor Nozzle Coating	660
Scale Inhibitor Coating	880
Space-Vehicle Coatings, Other: Does not include Electric Discharge and EMI Protection Coating or Fire-Resistant (Interior) Coating	1000
Specialized Function Coating	890
Temporary Protective Coating	250
Thermal Control Coating	800
Topcoat	----
Clear Topcoat	420
Epoxy Polyamide Topcoat	660
Other Topcoat	340
Extreme Performance Interior Topcoat	420
Unicoat	420
Wet Fastener Installation Coating	675
Wing Coating	750
Wire Coatings	----
Anti-Wicking	420
Electronic Wire Coating	420
Pre-Bonding Etchant	420
Phosphate Ester Resistant Ink	925
Adhesives	----
Commercial Interior Adhesive	760
Cyanoacrylate Adhesive	1020
Fuel-Tank Adhesive	620
Non-Structural Adhesive	250
Rocket Motor Bonding Adhesive	890
Rubber-based Adhesive	850
Space Vehicle Adhesive	800
Structural Adhesive	----
Autoclavable	50
High Temperature – Autoclavable	650
Non-Autoclavable	700

Sealants	----
Rollable, Brushable or Extrudable Sealant	280
Fastener Sealant	675
Other	600
Maskants	----
Bonding Maskant	1230
Critical use and Line Sealant Maskant	750
Chemical milling Maskant	----
For use with Type I Etchant	250
For use with Type II Etchant	160
For Chemical Processing *Less water, Exempt Compounds and Perchloroethylene (PERC)	250*
Photolithographic Maskant	850
Seal Coat Maskant	1230
Lubricants	----
Fastener Installation Lubricant (applied at time of Aircraft/component assembly)	----
Solid-Film Lubricant	880
Dry Lubricative Material	675
Fastener Lubricative Coating (applied at time of Fastener manufacture)	----
Solid-Film Lubricant	250
Dry Lubricative Material	120
Barrier Coating	420
Non-Fastener Lubricative Coatings (applied at time of non-Fastener manufacture)	----
Solid-Film Lubricant	880
Dry Lubricative Materials	675
Other	----
Caulking and Smoothing Compound	850
Corrosion Prevention Compound System	710
Insulation Covering	740
Screen Print Ink	840
Silicone Insulation Material	850

[District Rule 1118 – *Aerospace Assembly, Rework and Component Manufacturing Operations*]

31. Owner/Operator shall comply with all requirements of Rule 1168 – *Adhesive and Sealant Applications*. Specifically, the Owner/Operator shall not apply Adhesives, Adhesive Primers, Sealants, Sealant Primers, or any other Primer which have a VOC content in excess of the limits specified in Table 1:

ADHESIVE AND SEALANT APPLICATION CATEGORIES AND VOC LIMITS

(Grams of VOC Per Liter of Coating or Pounds Per Gallon, Less Water and Less Exempt Compounds)

Application Process	g/L	(lb/gal)
General Adhesives *(General adhesive application processes are those not specifically identified in other categories listed below as specialty adhesives application processes).*	----	----
Fiberglass	80	0.7
Flexible Vinyl	250	2.1
Metal	30	0.3
Plastic Foams	50	0.4
Porous Material (Except Wood)	50	0.4
Pre-formed Rubber Products	250	2.1
Reinforced Plastic Composite	200	1.7
Rubber	250	2.1
Wood	30	0.3
Other Substrates	250	2.1
Specialty Adhesives	----	----
Building Envelope Membrane	250	2.1
Carpet Pad	50	0.4
Ceramic Tile Installation	65	0.5
Contact Adhesive	80	0.7
Contact Adhesive – Special Purpose	250	2.1
Cove Base Installation	50	0.4
Drywall and Panel	50	0.4
Edge Glue	250	2.1
Elastomeric	750	6.3
Floor Covering Installation (Indoor)	150	1.3
Floor Covering Installation (Outdoor)	250	2.1
Immersible Product Manufacturing	650	5.4
Indoor Carpet	50	0.4
Metal to Urethane/Rubber Molding or Casting	850	7.1
Motor Vehicle	250	2.1
Motor Vehicle Weatherstrip	750	6.3

Multipurpose Construction	70	0.6
Non-membrane Roof Installation/Repair	300	2.5
Other Flooring	50	0.4
Perimeter Bonded Sheet Vinyl	660	5.5
Plastic Solvent Welding:	----	----
ABS	325	2.7
ABS to PVC Transition	510	4.3
Cellulose	100	0.8
CPVC	490	4.1
PVC	510	4.3
Styrene-Acrylonitrile	100	0.8
All Other Plastic Solvent Welding	250	2.1
Rubber Floor	60	0.5
Sheet Rubber Lining Installation	850	7.1
Single-Ply Roof Membrane Installation/Repair	250	2.1
Structural Glazing	100	0.8
Structural Wood Member	140	1.7
Subfloor	50	0.4
Then Metal Laminating	780	6.5
Tire Retread	100	0.8
Top and Trim	540	4.5
Traffic Marking Tape	150	1.3
VCT and Asphalt Tile	50	0.4
Waterproof Resorcinol Glue	170	1.4
Wood Flooring	100	0.8
Adhesive Primer	----	----
Motor Vehicle Glass Bonding	900	7.5
Plastic Solvent Welding	550	4.6
Single-Ply Roof Membrane	250	2.1
Traffic Marking Tape	150	1.3
Other Adhesive Primer	250	2.1
Sealant Primers	----	----
Architectural – Non-Porous	250	2.1
Architectural – Porous	775	6.5
Modified Bituminous	500	4.2
Other Sealant Primer	750	6.3
Sealants	----	----
Architectural	250	2.1
Non-Membrane Roof	300	2.5
Non-Staining Plumbing Putty	150	1.3
Potable Water	100	0.8

Roadway	250	2.1
Single-Ply Roof Membrane	450	3.8
All Other Architectural Sealants	50	0.4
All Other Roof Sealants	300	2.5
All Other Sealants	420	3.5

The VOC limits of Table 1 shall not apply to use of an Adhesive or Sealant, on a military installation, for which there is a Military Specification which has been approved by the Air Pollution Control Officer (APCO) in writing pursuant to this subsection.

Any person seeking to use an Adhesive or Sealant, for which there is a Military Specification, which is subject to the provisions of District Rule 1168, shall:

(i) Submit a petition to the APCO stating the performance requirements, volume of Adhesive or Sealant, and VOC content which is attainable. Such petition shall include a technical justification of the attainable VOC content and an explanation why the Adhesive or Sealant cannot meet the limits set forth in Table 1.

(ii) If the APCO grants written approval, such petition shall be resubmitted for approval on an annual basis.

(iii) If the APCO grants written approval, such approval shall contain volume and VOC limit conditions.

(iv) Records shall be maintained pursuant to District Rule 1168(D).

[District Rule 1168 - *Adhesive and Sealant Applications*]

32. Owner/Operator shall comply with all requirements of the District's Title V Program, MDAQMD Rules 1200 through 1210
[District Regulation XII – *Federal Operating Permits*].

33. Owner/Operator shall comply with all requirements of Rule 1211 - Greenhouse Gas Provisions of Federal Operating Permits. Specifically, the Owner/Operator shall include Greenhouse Gas (GHG) emission data and all applicable GHG requirements with any application, as specified in 1211(D)(1), for a Federal Operating Permit.
[Rule 1211 - *Greenhouse Gas Provisions of Federal Operating Permits*; 40 CFR 98, Subpart A – *General Provisions*]

34. Owner/Operator must comply with all applicable provisions regarding Standards of Performance for New Stationary Sources set for in 40 CFR 60 (NSPS); and, all applicable provisions regarding National Emissions Standards for Hazardous Air Pollutants (NESHAP) set forth in 40 CFR 61 and 63. Please see Appendix C for specific NSPS and NESHAP requirements.
[District Rule 900 – *Standards of Performance for New Stationary Sources* and District Rule 1000 – *National Emissions Standards for Hazardous Air Pollutants (NESHAP)*]

35. Owner/Operator shall not release into the atmosphere any elemental Beryllium or compounds containing Beryllium.
[Rule 204 - *Permit Conditions*]

B) FACILITYWIDE MONITORING, RECORDKEEPING AND REPORTING REQUIREMENTS

1. Any data and records generated and/or kept pursuant to the requirements in this federal operating permit (Title V Permit) shall be kept current and on site for a minimum of five (5) years from the date generated. Any records, data, or logs shall be supplied to District, state, or federal personnel upon request.
[District Rule 1203(D)(1)(d)(ii); 40 CFR 70.6(a)(3)(ii)(B)]

2. Any Compliance/Performance testing required by this Federal Operating Permit shall follow the administrative procedures contained in the District's *Compliance Test Procedural Manual*. Any required annual Compliance and/or Performance Testing shall be accomplished by obtaining advance written approval from the District pursuant to the District's *Compliance Test Procedural Manual*. All emission determinations shall be made as stipulated in the *Written Test Protocol* accepted by the District. When proposed testing involves the same procedures followed in prior District approved testing, then the previously approved *Written Test Protocol* may be used with District concurrence.
[District Rule 204]

3. Owner/Operator of permit units subject to Comprehensive Emissions Inventory Report / Annual Emissions Determinations for District, state, and federal required Emission Inventories shall monitor and record the following for each unit:
   (a) The cumulative annual usage of each fuel type. The cumulative annual usage of each fuel type shall be monitored from utility service meters, purchase or tank fill records.
   (b) Fuel suppliers' fuel analysis certification/guarantee including fuel sulfur content shall be kept on site and available for inspection by District, state or federal personnel upon request. The sulfur content of diesel fuel shall be determined by use of ASTM method D2622-82, or (ASTM method D 2880-71, or equivalent). Vendor data meeting this requirement are sufficient.

   The facility must submit accurate emissions inventory data to the District, in a format approved by the District, upon District request.
   [District Rules 107(b) and 204; California Clean Air Act, Health and Safety Code §§39607 and §§44300, 44341-44342 et seq., 40 CFR 51 – Subpart A, 70.6(a)(3)(B); Federal Clean Air Act: §110(a)(2)(F, K & J); §112; §172(c)(3); §182(a)(3)(A & B); §187(a)(5); § 301(a)]

4. A facility wide Comprehensive Emissions Inventory (CEI) for all emitted criteria and toxic air pollutants must be submitted to the District, in a format approved by the District, on an annual basis or upon District request.
[District Rule 107(b), H&S Code 39607 & 44341-44342, and 40 CFR 51, Subpart A]

5. Owner/Operator shall submit Compliance Certifications as prescribed by Rule 1203(F)(1) and Rule 1208, in a format approved by MDAQMD. The Compliance Certification, submitted by a Responsible Official, shall certify the truth, accuracy and completeness of

the document submitted and contain a statement to the effect that the certification is based upon information and belief, formed after a reasonable inquiry; the statements and information in the document are true, accurate, and complete.
[District Rules 1203(D)(1)(g)(v-x), 1203(F)(1), 1208; 40 CFR 70.6(c)(5)(i), 72.90.a]

(a) Owner/Operator shall include in any Compliance Certification the methods used for monitoring such compliance.
[District Rule 1203(D)(1)(g)(viii); 40 CFR 70.6(c)(5)(ii)]

(b) Owner/Operator when submitting any Compliance Certification(s) to the District shall contemporaneously submit such Compliance Certification(s) to USEPA, Region IX Administrator.
[District Rule 1203(D)(g)(ix); 40 CFR 70.6(5)(iii)]

(c) Owner/Operator shall comply with any additional certification requirements as specified in 42 United States Code (U.S.C.) §7414(a)(3), Recordkeeping, Inspections, Monitoring and Entry (Federal Clean Air Act §114(a)(3)) and 42 U.S.C. §7661c(b), Permit Requirements and Conditions (Federal Clean Air Act §503(b)), or in regulations promulgated thereunder.
[District Rule 1203 (D)(1)(g)(x)]

(d) Owner/Operator shall submit a *Compliance Certification Report* to the APCO/District on an annual basis pursuant to District Rule 1203. The *Compliance Certification Report* shall cover the 12-month period from October 1 to September 30, and be postmarked no later than 30 days after the end of the reporting period. Each report shall be certified to be true, accurate, and complete by "The Responsible Official" and a copy of this annual report shall also be contemporaneously submitted to the EPA Region IX Administrator.

[District Rule 1203 (D)(1)(g)(v - x); District Rule 1203 (F)(1); 40 CFR 72.90.a]

6. Owner/Operator shall submit, on a ***semi-annual*** basis, a *Monitoring Report* to the APCO/District, with a copy to the EPA Region IX Administrator. Each *Monitoring Report* shall cover the periods from October 1 to March 31 and from April 1 to September 30, and be postmarked no later than 30 days after the end of the reporting period. This *Monitoring Report* shall be certified to be true, accurate, and complete by a Responsible Official and shall include the following information and/or data:

(a) Summary of deviations from any federally enforceable requirement in this permit.

(b) Summary of all emissions monitoring and analysis methods required by any Applicable Requirement / federally - enforceable requirement.

(c) Summary of all periodic monitoring, testing or record keeping (including test methods sufficient to yield reliable data) to determine compliance with any Applicable Requirement / federally - enforceable requirement that does not directly require such monitoring.
An alternate Monitoring Report format may be used upon prior approval by MDAQMD.

[District Rules 1203(D)(1)(c)(i - iii), 1203(D)(1)(d)(i), 1203(D)(1)(e)(i - ii), and 1203(D)(1)(g)(v - x)]

7. Owner/Operator shall promptly report all deviations from Federal Operating Permit requirements including, but not limited to, any emissions in excess of permit conditions,

deviations attributable to breakdown conditions, and any other deviations from permit conditions. Such reports shall include the probable cause of the deviation and any corrective action or preventative measures taken as a result of the deviation.
[District Rules 430(C) and 1203(D)(1)(e)(ii)]

Prompt reporting shall be determined as follows:

(a) For deviations involving emissions of air contaminants in excess of permit conditions including those caused by a breakdown, a facility may elect to provide immediate notification under District Rule 430, if the District Rule 430 provisions apply. However, in case deviations involving emissions of air contaminants in excess of permit conditions, if the facility does not qualify for District Rule 430 immediate notification or does not elect to perform immediate notification under District Rule 430, then prompt reporting shall be within 72 hours of the occurrence of the excess emission or within 72 hours of the time a person knew or reasonably should have known of the excess emission. Documentation and other relevant evidence regarding the excess emission shall be submitted to the District within sixty (60) days of the date the excess emission was reported to the District.
[40 CFR 70.6(g)]

(b) For other deviations from permit conditions not involving excess emissions of air contaminants shall be submitted to the District with any required monitoring reports at least every six (6) months.
[District Rule 1203(D)(1)(e)(i)]

8. If any facility unit(s) should be determined not to be compliant with any federally enforceable requirement during the 5-year permit term, then Owner/Operator shall obtain a *Schedule of Compliance* approved by the District Hearing Board pursuant to the requirements of MDAQMD Rule 501. In addition, Owner/Operator shall submit a *Progress Report* on the implementation of the *Schedule of Compliance*. The *Schedule of Compliance* shall contain the information outlined in (b), below. The *Progress Report* shall contain the information outlined in (c), below. The *Schedule of Compliance* shall become a part of this Federal Operating Permit by administrative incorporation. The *Progress Report* and *Schedule of Compliance* shall comply with Rule 1201(I)(3)(iii) and shall include:

(a) A narrative description of how the facility will achieve compliance with such requirements; and

(b) A *Schedule of Compliance* which contains a list of remedial measures to be taken for the facility to come into compliance with such requirements, an enforceable sequence of actions, with milestones, leading to compliance with such requirements and provisions for the submission of *Progress Reports* at least every six (6) months. The *Schedule of Compliance* shall include any judicial order, administrative order, and/or increments of progress or any other schedule as issued by any appropriate judicial or administrative body or by the District Hearing Board pursuant to the provisions of Health & Safety Code §42350 et seq.; and

(c) *Progress Reports* submitted under the provisions of a *Schedule of Compliance* shall include: Dates for achieving the activities, milestone, or compliance required in the schedule of compliance; and dates when such activities, milestones or compliance were achieved; and an explanation of why any dates in the schedule of compliance

were not or will not be met; and any preventive or corrective measures adopted due to the failure to meet dates in the schedule of compliance.
[District Rules 1201 (I)(3)(iii), 1203 (D)(1)(e)(ii), and 1203 (D)(1)(g)(v)]

8. The permit holder shall submit an application for renewal of this Title V Permit at least six (6) months, but no earlier than eighteen (18) months, prior to the expiration date of this Federal operating permit (FOP). If an application for renewal has not been submitted and deemed complete in accordance with this deadline, the facility may not operate under the (previously valid) FOP after FOP expiration date. If the permit renewal has not been issued by FOP expiration date, but a complete application for renewal has been submitted in accordance with the above deadlines, the existing permit will continue in force until the District takes final action on the renewal application.
[District Rules 1202(B)(3)(b)(i) and 1202(E)(2)(a)]

9. Naval Air Weapons Station, China Lake's Hazardous Air Pollutant (HAP) Limits
   (a) *General Status of Entire Facility*: HAPs are defined in 40 CFR 61.01 "Lists of pollutants" and are the chemical compounds listed in section 112(b) of the Clean Air Act (Act). The total potential emissions of Hazardous Air Pollutants (HAPs) for the Naval Air Weapons Station, China Lake exceed 25 tons per year (calculated on a rolling twelve-month basis) for all combined HAPs and is therefore considered a Major Source for HAPs.
   (b) Annualized HAP emissions from fuel burning and other HAP emitting equipment for purposes of this condition shall be determined by use of HAP emission factors (as set forth by District approved emission factors), or by annualized actual HAP emissions as determined by source test of the equipment, or by methods and emission factors established in an approved Comprehensive Emission Inventory Plan (CEIP).
   [40 CFR 70.6 (a)(3)(i)(B) - Periodic Monitoring Requirements]
   [California Clean Air Act, Health and Safety Code §§39607 and §§44300 et seq., and the Federal Clean Air Act, §110(a)(2)(F)(ii), codified in 40 CFR 60 Subpart Q]
   [Rule 204 - *Permit Conditions*]

C) FACILITYWIDE COMPLIANCE CONDITIONS

1. Owner/Operator shall allow an authorized representative of the MDAQMD to enter upon the permit holder's premises at reasonable times, with or without notice.
[District Rule 1203(D)(1)(g)(i); 40 CFR 70.6(c)(2)(i)]

2. Owner/Operator shall allow an authorized representative of the MDAQMD to have access to and copy any records that must be kept under condition(s) of this Federal Operating Permit.
[District Rule 1203(D)(1)(g)(ii); 40 CFR 70.6(c)(2)(ii)]

3. Owner/Operator shall allow an authorized representative of the MDAQMD to inspect any equipment, practice or operation contained in or required under this Federal Operating

Permit.
[District Rule 1203(D)(1)(g)(iii); 40 CFR 70.6(c)(2)(iii)]

4. Owner/Operator shall allow an authorized representative of the MDAQMD to sample and/or otherwise monitor substances or parameters for the purpose of assuring compliance with this Federal Operating Permit or with any Applicable Requirement.
[District Rule 1203(D)(1)(g)(iv); 40 CFR 70.6(c)(2)(iv)]

5. Owner/Operator shall remain in compliance with all conditions contained in this Federal Operating Permit. Any noncompliance constitutes a violation of the Federal Clean Air Act and is grounds for enforcement action; the termination, revocation and re-issuance, or modification of this Federal Operating Permit; and/or grounds for denial of a renewal application.
[District Rule 1203 (D)(1)(f)(ii)]

6. Owner/Operator shall comply in a timely manner with all federally enforceable requirements that become effective during the term of this permit.
[District Rules 1201 (I)(2) and 1203(D)(1)(g)(v)]

7. Owner/Operator shall ensure that all applicable subject processes comply with the provisions of 40 CFR 60, *New Source Performance Standards General Provisions*, subpart A.
[40 CFR 60 Subpart A]

8. Owner/Operator shall ensure that all applicable subject processes comply with the provisions of 40 CFR 61, *National Emission Standards for Hazardous Air Pollutants*, subpart A, *General Provisions*, and subpart M, *Asbestos*.
[40 CFR 61 Subparts A and M]

D) COMPLIANCE ASSURANCE MONITORING (CAM)

There are currently no Pollutant Specific Emission Units (PSEUs) located at the Naval Air Weapons Station, China Lake that meet the applicability requirements of 40 CFR 64.2, *Compliance Assurance Monitoring: Applicability*. In the event that CAM is deemed applicable for any PSEU at a future date, a CAM Plan will be submitted by the facility.
[District Rule 204; 40 CFR 64]

PART III
EQUIPMENT SPECIFIC APPLICABLE REQUIREMENTS AND EMISSIONS LIMITATIONS; MONITORING, RECORDKEEPING, AND REPORTING REQUIREMENTS; TESTING REQUIREMENTS; AND COMPLIANCE CONDITIONS

Unless Otherwise Stated, All Following Conditions Result From Rule 204 – Permit Conditions. Version In SIP = CARB EX. ORDER G-73, 40 CFR 52.220(C)(39)(II)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77

A) ABRASIVE BLAST SYSTEMS

a. A002952 - ABRASIVE BLAST SYSTEM, OUTDOOR USE (BLDG 31192)

EQUIPMENT DESCRIPTION: A Lindsay Sand Blaster, model 200. Unit has a maximum hopper capacity of 200 lb and uses approximately 100 lb of abrasive per hour using a 3/16 inch nozzle and 95 psig air pressure. The associated air compressor is rated at 25 bhp.

1. This equipment shall be installed, operated and maintained in strict accordance with those recommendations of the manufacturer/supplier and/or sound engineering principles which produce the minimum emissions of air contaminants. Unless otherwise noted, this equipment shall also be operated in accordance with all data and specifications submitted with the application for this permit.
   [District Rule 204]

2. Emissions from abrasive blasting operations shall not exceed the following visible emission limits for a period or periods aggregating more than three minutes in any one hour:
   (a) Blasting operations conducted outside of a permanent building - 40 percent opacity (Ringelmann 2).
   [District Rule 401; 17 CCR 92200]
   DISTRICT AND STATE ENFORCEABLE ONLY

Note: Visible emission observations shall be conducted in accordance with the requirements set forth in Title 17 CCR 92000-92530.

3. This abrasive blasting equipment shall only be operated outside of a permanent building when one or more of the following conditions are met:
   (a) CARB certified blast media is used exclusively;
   (b) The item to be blasted exceeds eight (8) feet in any dimension; or
   (c) The surface being blasted is situated at its permanent location or no further away from its permanent location than is necessary to allow the surface to be blasted.
   [17 CCR 92500(b)]
   DISTRICT AND STATE ENFORCEABLE ONLY

4. This abrasive blasting equipment must use exclusively abrasives certified for permissible dry outdoor blasting by the California Air Resources Board (CARB) pursuant to Title 17 CCR 92530.
   [Title 17 CCR 92500(c)(4)]
   DISTRICT AND STATE ENFORCEABLE ONLY

5. The owner/operator shall maintain an operations log for this unit current and on-site (or at a central location) for a minimum of five (5) years, and this log shall be provided to District, State and Federal personnel upon request. The log shall include, at a minimum, the information specified below for each date of use:
   (a) Number of hours used;
   (b) Manufacturer's name and product name/code number of each abrasive material used; and
   (c) Quantity of each abrasive material used, in pounds.
   [District Rule 204; 40 CFR 63.10(b)]

b. A013623 - ABRASIVE BLAST BOOTH, (IOB)

EQUIPMENT DESCRIPTION: A custom manufactured abrasive blasting booth measuring 12 feet high by 16 feet wide by 24 feet long and equipped with an integral 100 cubic foot per hour airwash reclaim system. Exhaust is vented to the baghouse described in District Permit C013624.

1. This equipment shall be installed, operated and maintained in strict accordance with those recommendations of the manufacturer/supplier and/or sound engineering principles which produce the minimum emissions of air contaminants. Unless otherwise noted, this equipment shall also be operated in accordance with all data and specifications submitted with the application for this permit.
   [District Rule 204]

2. This abrasive blasting booth shall not be operated unless vented to the properly functioning air pollution control device listed in District Permit C013624. This system shall not be used for unconfined abrasive blasting.
[District Rules 204 and 1320]

3. This abrasive blasting booth must be equipped with tight fitting seals around all openings, doors, windows, seams, etc. so as to prevent the escape of particulate matter into the ambient air while in use.
[District Rule 1302]

4. The owner/operator shall not discharge into the atmosphere a visible emission with a shade as dark or darker than Ringelmann 1, or with an opacity of 20% or greater, for any period aggregating more than three minutes in any one hour.
[District Rule 401]

5. This abrasive blasting booth shall not be operated for more than 1,350 hours in any consecutive 12-month period.
[District Rules 1303 and 1320]

6. The owner/operator shall maintain an operations log for this unit current and on-site (or at a central location) for a minimum of five (5) years, and this log shall be provided to District, State and Federal personnel upon request. The log shall include, at a minimum, the information specified below for each date of use:
(a) Number of hours used;
(b) Manufacturer's name and product name/code number of each abrasive material used; and
(c) Quantity of each abrasive material used, in pounds.
[District Rule 1302; 40 CFR 70.6(a)(3)(ii)(b)]

7. The District does not currently require periodic source testing of this abrasive blasting booth or its associated air pollution control device (District Permit C013624), although such testing may be required in the future.
[District Rule 204]

c. C013624 - DUST COLLECTOR, ABRASIVE BLASTING SYSTEM (IOB)

EQUIPMENT DESCRIPTION: A custom manufactured pulsejet cartridge style dust collector with 24 pleated filters, each measuring 13 inches in diameter by 26 inches long. The total filter area is 5,424 square feet and maximum unobstructed air flow is 12,000 acfm, yielding an air to cloth ratio of 2.2:1. The overall dimensions are 10 feet wide by 5 feet deep by 11 feet high and the exhaust fan is driven by a 25 hp motor. Maximum designed outlet grain loading is 0.001 grains/dscf.

1. This equipment shall be installed, operated and maintained in strict accordance with those recommendations of the manufacturer/supplier and/or sound engineering principles which produce the minimum emissions of contaminants. Unless otherwise noted, this equipment shall also be operated in accordance with all data and specifications submitted with the application for this permit.
[District Rule 1302]

2. A manometer shall be installed to indicate the pressure differential across the filters. Furthermore, the pressure differential shall be maintained within the range specified by the filter manufacturer and that range shall be clearly marked/indicated on the manometer.
[District Rules 1302 and 1303]

3. This dust collector shall be fully functional and operating whenever the Abrasive Blaster described in District Permit A013623 is operating.
[District Rules 1302, 1303 and 1320]

4. Visible emissions from this equipment shall not exceed an opacity equal to, or greater than, twenty percent (20%) for a period aggregating more than three (3) minutes in any one (1) hour, excluding uncombined water vapor [District Rule 401]. This equipment shall not discharge air contaminants or materials constituting a nuisance to any considerable number of persons or to the public [District Rule 402].
[District Rules 401, 402, 403, and 1302(C)(2)(a)]

5. The owner/operator will periodically monitor opacity from fugitive emission points according to the following methodology:
   (a) The owner or operator must conduct a monthly 6-minute visible emissions test in accordance with USEPA Method 22, provided the equipment under this permit is in operating within the corresponding month. Visible emissions tests shall be conducted while the equipment is in operation concurrently with abrasive blasting operations under permit A013326.
   (b) If no visible emissions are observed in the first six months of visible emissions tests, the owner or operator may decrease the frequency of testing from monthly to semi-annually. If visible emissions are observed during any semi-annual test, the owner or operator must resume testing on a monthly basis and maintain that schedule until no visible emissions are observed in a six-month period.
   (c) If no visible emissions are observed during two consecutive semi-annual tests, the owner or operator may decrease the frequency of testing from semi-annually to annually. If visible emissions are observed during any annual test, the owner or operator must resume testing on a monthly basis and maintain that schedule until no visible emissions are observed in two consecutive monthly tests.

   [District Rules 401, 402, 403, and 1302(C)(2)(a)]

   In the event that opacity is observed during the USEPA Method 22, the owner/operator must do one of the following:

(a) Conduct a USEPA Method 9 to determine compliance with the opacity limit under this condition. If the opacity limit of this condition is not violated, the owner/operator must ensure that all equipment and controls are operating correctly, but operations are not required to be shut down. If the opacity limit of condition #4 is violated the owner/operator must adhere to option 'b' below.
(b) Shut down the affected equipment and take corrective action to preclude any further emissions. Upon restarting the affected equipment, the owner/operator must conduct a USEPA Method 22 and/or Method 9 to demonstrate that the corrective action taken was sufficient. Equipment breakdowns resulting in violation and/or shutdown shall be reported to the District in accordance with District Rule 430.

[District Rules 403 and 430]

6. The owner/operator shall conduct semi-annual inspections of the filters, the filter suspension system, and the pulsing system to ensure there are no holes in the bags and the suspension and pulsing systems are functioning properly.
[District Rule 1302]

7. In the event of a malfunction of any emissions related part of this dust collector, the associated Abrasive Blaster described in District Permit A013623 must be shut down as soon as safely possible and shall not be restarted until all malfunctions have been corrected. Equipment breakdowns shall be reported to the District in accordance with District Rule 430.
[District Rules 430 and 1302]

8. The owner/operator must maintain an operations log for this equipment. This log shall be maintained current, kept for a total of five (5) years and be provided to authorized personnel upon request. The log shall contain the following at a minimum:
(a) Pressure differential readings on the day of normal operations, in inches of water column.
(b) Results of all opacity checks as required by Condition #5;
(c) Results of all semi-annual system inspections as required by Condition #6; and
(d) Times and durations of malfunctions, a description of each malfunction, and the corrective action taken for each malfunction.

[District Rules 401 and 1302]

B) NATURAL GAS FIRED BOILERS

a. B001074 - STEAM BOILER NO. 13, NATURAL GAS FIRED (SALT WELLS BOILER PLANT #4, BLDG 14530)

EQUIPMENT DESCRIPTION: A 16.329 MMBtu per hour natural gas fired Cleaver Brooks firetube boiler, model # CBEX-700-400-200ST, serial number TBD, equipped with an integral LNO (Low NOx and Oxygen) Series Burner and a Continuous Oxygen Trim System.

1. This equipment shall be installed, operated and maintained in strict accordance with those recommendations of the manufacturer/supplier and/or sound engineering principles which produce the minimum emissions of contaminants. Unless otherwise noted, this equipment shall also be operated in accordance with all data and specifications submitted with the application for this permit.
[District Rule 204; 40 CFR 63, Subpart DDDDD: 63.7500]

2. This boiler shall only be fueled with utility grade natural gas and shall be equipped with a meter measuring fuel consumption in standard cubic feet.
[District Rules 204 and 1303]

3. This unit shall not operate simultaneously with the equipment described in District permit M014333 except during start-up of one unit and ramp-down/shut-down of the other.
[District Rule 1302]

4. Beginning no later than 3/1/2023, a statement of the heat input for the previous calendar year shall be submitted to the District by March 1 each year.
[District Rule 1157.1 and 1302]

5. The operator shall maintain a log for this equipment, which at a minimum contains the information specified below. This log shall be maintained current and on-site for a minimum of five years and shall be provided to District personnel upon request:
(a) Monthly fuel use in cubic feet;
(b) Cumulative rolling twelve-month period fuel use in cubic feet;
(c) Fuel certification (sulfur concentration); and
(d) Results of all Boiler Tune-ups.
[District Rule 1157.1 and 1303; 40 CFR 70.6(a)(3)(ii)(b); 40 CFR Part 60 Subpart Dc: 60.48c, 40 CFR 63.7550]

6. Pollutant emission rates (concentrations) at full load shall be limited to 9 ppmvd NOx and 50 ppmvd CO, corrected to 3% oxygen. An initial compliance test shall be performed in accordance with District Rule 1157.1(F). Records of the initial source test for this boiler shall be kept on file to demonstrate compliance. [District Rules 204, 1157.1 and 1303]

7. Beginning no later than 12/31/2023, if the Annual Heat Input threshold of 50,000 MMBtu for a calendar year is exceeded, emissions testing will be required not less than once every 24 months in accordance with District Rule 1157.1.
[District Rules 1157.1 and 1302]

8. Beginning no later than 12/31/2023, this boiler shall be tuned not less than once every 12 months in accordance with District Rule 1157.1. In a year when emissions testing is performed in accordance with District Rule 1157.1, a tune-up is not required to be performed.
[District Rule 204, 1157.1 and 1302]

b. B001075 - STEAM BOILER NO. 14, NATURAL GAS FIRED (SALT WELLS BOILER PLANT #4, BLDG 14530)

EQUIPMENT DESCRIPTION: An 11.34 MMBtu per hour Natural Gas fired Cleaver-Brooks firetube boiler, model CBLE700-270-150ST and Serial Number TBD, with a Continuous Oxygen Trim System installed.

1. This equipment shall be installed, operated and maintained in strict accordance with those recommendations of the manufacturer/supplier and/or sound engineering principles which produce the minimum emissions of contaminants. Unless otherwise noted, this equipment shall also be operated in accordance with all data and specifications submitted with the application for this permit.
[District Rule 204; 40 CFR 63, Subpart DDDDD: 63.7500]

2. This boiler shall only be fueled with utility grade natural gas and shall be equipped with a meter measuring fuel consumption in standard cubic feet.
[District Rules 204 and 1303]

3. Beginning no later than 12/31/2023, a statement of the heat input for the previous calendar year shall be submitted to the District by March 1 each year.
[District Rule 1157.1 and 1302]

4. The operator shall maintain a log for this equipment, which at a minimum contains the information specified below. This log shall be maintained current and on-site for a minimum of five years and shall be provided to District personnel upon request:
(a) Monthly fuel use in cubic feet;
(b) Cumulative rolling twelve-month period fuel use in cubic feet;
(c) Fuel certification (sulfur concentration); and
(d) Results of all Boiler Tune-ups.
[District Rule 1303; 40 CFR 70.6(a)(3)(ii)(b); 40 CFR Part 60 Subpart Dc: 60.48c, 40 CFR 63.7550]

5. Pollutant emission rates (concentrations) at full load shall be limited to 9 ppmvd NOx and 50 ppmvd CO, corrected to 3% oxygen. Records of the initial source test for this boiler shall be kept on file to demonstrate compliance.
[District Rules 204, 1157.1 and 1303]

6. Beginning no later than 12/31/2023, if the Annual Heat Input threshold of 50,000 MMBtu for a calendar year is exceeded, emissions testing will be required not less than once every 24 months in accordance with District Rule 1157.1.
[District Rules 1157.1 and 1302]

7. Beginning no later than 12/31/2023, this boiler shall be tuned not less than once every 12 months in accordance with District Rule 1157.1. In a year when emissions testing is performed in accordance with District Rule 1157.1, a tune-up is not required to be performed.
[District Rule 204, 1157.1 and 1302]

c. B003315 - BOILER NO. 33

EQUIPMENT DESCRIPTION: A 2.1 MMBtu per hour Natural Gas fired Ajax Boiler Inc. firetube boiler manufactured in 1969, model SGX-3000 and serial number 22785-11W, with no add-on emission control system installed.

1. This equipment shall be installed, operated and maintained in strict accordance with those recommendations of the manufacturer/supplier and/or sound engineering principles which produce the minimum emissions of contaminants. Unless otherwise noted, this equipment shall also be operated in accordance with all data and specifications submitted with the application for this permit.
[District Rule 204; 40 CFR 63, Subpart DDDDD: 63.7500]

2. This boiler shall only be fueled with utility grade natural gas and shall be equipped with a meter measuring fuel consumption in standard cubic feet.
[District Rules 204 and 1303]

3. This boiler must be tuned up at least once every five (5) years.
[District Rule 204; 40 CFR 63.7495; 40 CFR 63.7540(a)(12)]

4. The owner/operator shall maintain an operations log for this boiler current and on-site (or at a central location) for a minimum of five (5) years, and this log shall be provided to District, State and Federal personnel upon request. The log shall include, at a minimum, the information specified below:
(a) Monthly operation in terms of total fuel burned;
(b) Maintenance and repair actions conducted on the boiler and burner; and
(c) Results of all boiler tune-ups and tests.
[District Rule 204; 40 CFR 63.10(b); 40 CFR 63.7555]

d. B003316 - STEAM BOILER NUMBER 21, NATURAL GAS FIRED (AREA R, BLDG 30851)

EQUIPMENT DESCRIPTION: A 2.37 MMBtu per hour Natural Gas fired Cleaver-Brooks firetube boiler, model Clearfire CFH and serial number MB1742, equipped with a low-NOx burner, an oxygen trim system, and a Flue Gas Recirculation (FGR) system.

1. This equipment shall be installed, operated and maintained in strict accordance with those recommendations of the manufacturer/supplier and/or sound engineering principles which produce the minimum emissions of contaminants. Unless otherwise noted, this equipment shall also be operated in accordance with all data and specifications submitted with the application for this permit.
   [District Rule 204; 40 CFR 63, Subpart DDDDD: 63.7500]

2. This boiler shall only be fueled with utility grade natural gas and shall be equipped with a meter measuring fuel consumption in standard cubic feet.
   [District Rules 204 and 1303]

3. This boiler must be tuned up at least once every five (5) years.
   [District Rule 204; 40 CFR 63.7495; 40 CFR 63.7540(a)(12)]

4. The owner/operator shall maintain an operations log for this boiler current and on-site (or at a central location) for a minimum of five (5) years, and this log shall be provided to District, State and Federal personnel upon request. The log shall include, at a minimum, the information specified below:
   (a) Monthly operation in terms of total fuel burned;
   (b) Rolling consecutive twelve-month period operation in terms of total hours;
   (c) Maintenance and repair actions conducted on the boiler, burner, oxygen trim, and Flue Gas Recirculating systems; and
   (d) Results of all boiler tune-ups and tests.
   [District Rule 204; 40 CFR 63.10(b)]

5. This boiler shall not be operated for more than 8,345 hours in any consecutive twelve-month period.
   [District Rules 204 and 1303]

e. B014870 - HOT WATER BOILER, NATURAL GAS FIRED (B-1)

EQUIPMENT DESCRIPTION: A 2 MMBtu per hour Natural Gas fired AERCO tube-fired boiler, model Benchmark 2000, serial number TBD, equipped with a low-NOx burner.

SEE THE FOLLOWING CONDITIONS FOR B014871, WHICH ARE IDENTICAL TO THIS PERMIT

f. B014871 – HOT WATER BOILER, NATURAL GAS FIRED (B-2)

EQUIPMENT DESCRIPTION: A 2 MMBtu per hour Natural Gas fired AERCO tube-fired boiler, model Benchmark 2000, serial number TBD, equipped with a low-NOx burner.

1. This equipment shall be installed, operated and maintained in strict accordance with those recommendations of the manufacturer/supplier and/or sound engineering principles which produce the minimum emissions of contaminants. Unless otherwise noted, this equipment shall also be operated in accordance with all data and specifications submitted with the application for this permit.
[District Rule 204]

2. This boiler shall only be fueled with utility grade natural gas and shall be equipped with a meter measuring fuel consumption in standard cubic feet.
[District Rules 204 and 1303]

3. This boiler must be tuned up at least once every five (5) years.
[District Rule 204; 40 CFR 63.7495; 40 CFR 63.7540(a)(12)]

4. The owner/operator shall maintain an operations log for this boiler current and on-site (or at a central location) for a minimum of five (5) years, and this log shall be provided to District, State and Federal personnel upon request. The log shall include, at a minimum, the information specified below:
(a) Monthly operation in terms of total fuel burned;
(b) Rolling consecutive twelve-month period operation in terms of total hours;
(c) Maintenance and repair actions conducted on the boiler, burner, oxygen trim, and Flue Gas Recirculating systems; and
(d) Results of all boiler tune-ups and tests.
[District Rule 204; 40 CFR 63.10(b)]

5. This boiler shall not be operated for more than 2,080 hours in any consecutive twelve-month period.
[District Rules 204 and 1303]

~~e.~~g. M014333 – SECONDARY STEAM BOILER, NATURAL GAS FIRED (SALT WELLS BOILER PLANT #4, BLDG 14530)

EQUIPMENT DESCRIPTION: A 16.329 MMBtu per hour natural gas fired Cleaver Brooks firetube boiler, model # CBEX-700-400-200ST, serial number TBD, equipped with an integral LNO (Low NOx and Oxygen) Series Burner and a Continuous Oxygen Trim System. This equipment is intended to operate as a standby/backup boiler to the boiler under Permit B001074.

1. This equipment shall be installed, operated and maintained in strict accordance with those recommendations of the manufacturer/supplier and/or sound engineering principles which produce the minimum emissions of contaminants. Unless otherwise noted, this equipment shall also be operated in accordance with all data and specifications submitted with the application for this permit.
[District Rule 204; 40 CFR 63, Subpart DDDDD: 63.7500]

2. This boiler shall only be fueled with utility grade natural gas and shall be equipped with a meter measuring fuel consumption in standard cubic feet.
[District Rules 204 and 1303]

3. This unit shall not operate simultaneously with the equipment described in District permit B001074 except during start-up of one unit and ramp-down/shut-down of the other.
[District Rule 1302]

4. Beginning no later than 3/1/2023, a statement of the heat input for the previous calendar year shall be submitted to the District by March 1 each year.
[District Rule 1157.1 and 1302]

5. The operator shall maintain a log for this equipment, which at a minimum contains the information specified below. This log shall be maintained current and on-site for a minimum of five years and shall be provided to District personnel upon request:
(a) Monthly fuel use in cubic feet;
(b) Cumulative rolling twelve-month period fuel use in cubic feet;
(c) Fuel certification (sulfur concentration); and
(d) Results of all Boiler Tune-ups.
[District Rule 1157.1 and 1303; 40 CFR 70.6(a)(3)(ii)(b); 40 CFR Part 60 Subpart Dc: 60.48c, 40 CFR 63.7550]

6. Beginning no later than 12/31/2023, if the Annual Heat Input threshold of 50,000 MMBtu for a calendar year is exceeded, emissions testing will be required not less than once every 24 months in accordance with District Rule 1157.1.
[District Rules 1157.1 and 1302]

7. Beginning no later than 12/31/2023, this boiler shall be tuned not less than once every 12 months in accordance with District Rule 1157.1. In a year when emissions testing is performed in accordance with District Rule 1157.1, a tune-up is not required to be performed.
[District Rule 204, 1157.1 and 1302]

C) ROCKET TEST STANDS

a. B001065 - ROCKET TEST STAND (SKYTOP BAY ~~I~~X)

EQUIPMENT DESCRIPTION: A static, horizontal test stand used to test rocket motors fired by solid propellants to a maximum of 60,000 lb. This unit was constructed in 1958 or 1959 and includes a movable assembly building equipped with a temperature conditioning system and a 25-ton capacity gantry crane. This rocket test stand is only used for the purpose of Department of Defense Research, Development, Testing and Evaluation (RDT&E).

1. This equipment shall be installed, operated and maintained in strict accordance with those recommendations of the manufacturer/supplier and/or sound engineering principles which produce the minimum emissions of contaminants. Unless otherwise noted, this equipment shall also be operated in accordance with all data and specifications submitted with the application for this permit.
   [District Rule 204]

2. This test stand shall be limited to the use of solid propellant rocket motors.
   [District Rule 204]

3. The maximum amount of solid propellant which shall be used on this stand in any 24-hour period from midnight to midnight is 60,000 pounds.
   [District Rule 204]

4. The maximum amount of solid propellant which shall be used in any one test is 60,000 pounds.
   [District Rule 204]

5. The maximum number of large rocket motor tests (tests where the rocket motor is fired using more than 10,000 pounds of solid propellant) that can be conducted in any 24-hour period from midnight to midnight is one (1).
   [District Rule 204]

6. The maximum number of test stands at the Skytop and LTC Areas (Permits B001065 through B001072, B004091~~, B004375~~ and B011470) that can be used for large rocket motor tests in any 24-hour period from midnight to midnight is one (1).
   [District Rule 204]

7. The meteorological conditions that are required for a test firing are as follows:
   (a) The maximum wind speed from any and all directions shall be less than 30 mph.
   [District Rule 204]

8. The owner/operator shall maintain an operations log for this equipment/process current and on-site (or at a central location) for a minimum of five (5) years, and this log shall be provided to District, State and Federal personnel upon request. The log shall include, at a minimum, the information specified below:
   (a) Test Bay number and/or District Permit number;

(b) Date and time of test;
(c) Amount, in pounds, of propellant used in each test; and
(d) Wind speed before each test
[District Rule 204; 40 CFR 70.6(a)(3)(ii)(b)]

9. No more than one test shall be permitted at the Skytop and LTC Areas within an interval such that measurable exposure from one test is added to the emissions from other tests or other activities emitting significant pollutants.
[District Rule 204]

~~b. B001066 – ROCKET TEST STAND (SKYTOP BAY IA)~~

~~*EQUIPMENT DESCRIPTION: A static, horizontal test stand used to test Rocket motors fired by solid propellants up to a maximum of 10,000 lb. This unit was constructed in 1958 or 1959 and includes a movable assembly building equipped with a temperature conditioning system. This rocket test stand is only used for the purpose of Department of Defense Research, Development, Testing and Evaluation (RDT&E).*~~

~~1. This equipment shall be installed, operated and maintained in strict accordance with those recommendations of the manufacturer/supplier and/or sound engineering principles which produce the minimum emissions of contaminants. Unless otherwise noted, this equipment shall also be operated in accordance with all data and specifications submitted with the application for this permit.~~
~~[District Rule 204]~~

~~2. This test stand shall be limited to the use of solid propellant rocket motors.~~
~~[District Rule 204]~~

~~3. The maximum amount of solid propellant which shall be used on this stand in any 24-hour period from midnight to midnight is 10,000 pounds.~~
~~[District Rule 204]~~

~~4. The maximum amount of solid propellant which shall be used in any one test is 10,000 pounds.~~
~~[District Rule 204]~~

~~5. The maximum number of large rocket motor tests (tests where the rocket motor is fired using more than 10,000 pounds of solid propellant) that can be conducted in any 24-hour period from midnight to midnight is one (1).~~
~~[District Rule 204]~~

~~6. The maximum number of test stands at the Skytop and LTC Areas (Permits B001065 through B001072, B004091, B004375 and B011470) that can be used for large rocket motor tests in any 24-hour period from midnight to midnight is one (1).~~

~~[District Rule 204]~~

~~7. The meteorological conditions that are required for a test firing are as follows:~~
~~(a) The maximum wind speed from any and all directions shall be less than 30 mph.~~
~~[District Rule 204]~~

~~8. The owner/operator shall maintain an operations log for this equipment/process current and on-site (or at a central location) for a minimum of five (5) years, and this log shall be provided to District, State and Federal personnel upon request. The log shall include, at a minimum, the information specified below:~~
~~(a) Test Bay number and/or District Permit number;~~
~~(b) Date and time of test;~~
~~(c) Amount, in pounds, of propellant used in each test; and~~
~~(d) Wind speed before each test.~~
~~[District Rule 204; 40 CFR 70.6(a)(3)(ii)(b)]~~

~~9. No more than one test shall be permitted at the Skytop and LTC Areas within an interval such that measurable exposure from one test is added to the emissions from other tests or other activities emitting significant pollutants.~~
~~[District Rule 204]~~

~~mm.~~b. B001067 - ROCKET TEST STAND (SKYTOP BAY ~~H~~XI)

EQUIPMENT DESCRIPTION: A static, vertical (nozzle down) test stand used to test Rocket motors fired by solid propellants up to a maximum of 60,000 lb. This unit was constructed in 1960 and includes an assembly building equipped with a temperature conditioning system. This rocket test stand is only used for the purpose of Department of Defense Research, Development, Testing and Evaluation (RDT&E).

1. This equipment shall be installed, operated and maintained in strict accordance with those recommendations of the manufacturer/supplier and/or sound engineering principles which produce the minimum emissions of contaminants. Unless otherwise noted, this equipment shall also be operated in accordance with all data and specifications submitted with the application for this permit.
[District Rule 204]

2. This test stand shall be limited to the use of solid propellant rocket motors.
[District Rule 204]

3. The maximum amount of solid propellant which shall be used on this stand in any 24-hour period from midnight to midnight is 60,000 pounds.
[District Rule 204]

4. The maximum amount of solid propellant which shall be used in any one test is 60,000 pounds.
[District Rule 204]

5. The maximum number of large rocket motor tests (tests where the rocket motor is fired using more than 10,000 pounds of solid propellant) that can be conducted in any 24-hour period from midnight to midnight is one (1).
[District Rule 204]

6. The maximum number of test stands at the Skytop and LTC Areas (Permits B001065 through B001072, B004091~~, B004375~~ and B011470) that can be used for large rocket motor tests in any 24-hour period from midnight to midnight is one (1).
[District Rule 204]

7. The meteorological conditions that are required for a test firing are as follows:
(a) The maximum wind speed from any and all directions shall be less than 30 mph.
[District Rule 204]

8. The owner/operator shall maintain an operations log for this equipment/process current and on-site (or at a central location) for a minimum of five (5) years, and this log shall be provided to District, State and Federal personnel upon request. The log shall include, at a minimum, the information specified below:
(a) Test Bay number and/or District Permit number;
(b) Date and time of test;
(c) Amount, in pounds, of propellant used in each test; and
(d) Wind speed before each test.
[District Rule 204; 40 CFR 70.6(a)(3)(ii)(b)]

9. No more than one test shall be permitted at the Skytop and LTC Areas within an interval such that measurable exposure from one test is added to the emissions from other tests or other activities emitting significant pollutants.
[District Rule 204]

~~nn. B001068 – ROCKET TEST STAND (SKYTOP BAY IIA)~~

~~*EQUIPMENT DESCRIPTION: A static, horizontal test stand used to test rocket motors fired by solid propellants up to a maximum of 300,000 lb. This unit was constructed in 1960 and includes a moveable assembly building equipped with a temperature conditioning system and a 1 ton capacity gantry crane. This rocket test stand is only used for the purpose of Department of Defense Research, Development, Testing and Evaluation (RDT&E).*~~

~~1. This equipment shall be installed, operated and maintained in strict accordance with those recommendations of the manufacturer/supplier and/or sound engineering principles which produce the minimum emissions of contaminants. Unless otherwise noted, this equipment~~

~~shall also be operated in accordance with all data and specifications submitted with the application for this permit.~~
~~[District Rule 204]~~

2. ~~This test stand shall be limited to the use of solid propellant rocket motors.~~
~~[District Rule 204]~~

3. ~~The maximum amount of solid propellant which shall be used on this stand in any 24-hour period from midnight to midnight is 60,000 pounds motors unless prior written approval of a test plan is obtained from the District.~~
~~[District Rule 204]~~

4. ~~The maximum amount of solid propellant which shall be used in any one test is 60,000 pounds unless prior written approval of a test plan is obtained from the District.~~
~~[District Rule 204]~~

5. ~~The maximum number of large rocket motor tests (tests where the rocket motor is fired using more than 10,000 pounds of solid propellant) that can be conducted in any 24-hour period from midnight to midnight is one (1).~~
~~[District Rule 204]~~

6. ~~The maximum number of test stands at the Skytop and LTC Area (Permits B001065 through B001072, B004091, B004375 and B011470) that can be used for large rocket motor tests in any 24-hour period from midnight to midnight is one (1).~~
~~[District Rule 204]~~

7. ~~The meteorological conditions that are required for a test firing are as follows:~~
~~(a) The maximum wind speed from any and all directions shall be less than 30 mph.~~
~~[District Rule 204]~~

8. ~~The owner/operator shall maintain an operations log for this equipment/process current and on-site (or at a central location) for a minimum of five (5) years, and this log shall be provided to District, State and Federal personnel upon request. The log shall include, at a minimum, the information specified below:~~
~~(a) Test Bay number and/or District Permit number;~~
~~(b) Date and time of test;~~
~~(c) Amount, in pounds, of propellant used in each test; and~~
~~(d) Wind speed before each test.~~
~~[District Rule 204; 40 CFR 70.6(a)(3)(ii)(b)]~~

9. ~~No more than one test shall be permitted at the Skytop and LTC Areas within an interval such that measurable exposure from one test is added to the emissions from other tests or other activities emitting significant pollutants.~~
~~[District Rule 204]~~

~~yyy.~~c. B001069 - ROCKET TEST STAND (SKYTOP BAY ~~III~~IIA)

EQUIPMENT DESCRIPTION: A static test stand with 9 pads used to test rocket motors fired by solid propellants up to a maximum of 300,000 lb. This unit was constructed in 1960. The pads are used as follows:

TMDI (4 individual pads), which are general purpose flat concrete;
MS-0, for vertical/horizontal firings;
MS-1, vertical/horizontal firings;
MS-2, multipurpose for specialized vertical/horizontal tests, such as partial burns for internal ballistics studies;
MS-3, vertical/horizontal firings; and
MS-4, vertical/horizontal/command destruct.

This rocket test stand is only used for the purpose of Department of Defense Research, Development, Testing and Evaluation (RDT&E).

1. This equipment shall be installed, operated and maintained in strict accordance with those recommendations of the manufacturer/supplier and/or sound engineering principles which produce the minimum emissions of contaminants. Unless otherwise noted, this equipment shall also be operated in accordance with all data and specifications submitted with the application for this permit.
   [District Rule 204]

2. This test stand shall be limited to the use of solid propellant rocket motors unless prior written approval of a test plan is obtained from the District.
   [District Rule 204]

3. The maximum amount of solid propellant which shall be used on this stand in any 24-hour period from midnight to midnight is 100,000 pounds unless prior written approval of a test plan is obtained from the District.
   [District Rule 204]

4. The maximum amount of solid propellant which shall be used in any one test is 100,000 pounds unless prior written approval of a test plan is obtained from the District.
   [District Rule 204]

5. The maximum number of large rocket motor tests (tests where the rocket motor is fired using more than 10,000 pounds of solid propellant) that can be conducted in any 24-hour period from midnight to midnight is one (1).
   [District Rule 204]

6. The maximum number of test stands at the Skytop and LTC Areas (Permits B001065 through B001072, B004091~~, B004375~~ and B011470) that can be used for large rocket motor tests in any 24-hour period from midnight to midnight is one (1).
   [District Rule 204]

7. The meteorological conditions that are required for a test firing are as follows:
(a) The maximum wind speed from any and all directions shall be less than 30 mph.
[District Rule 204]

8. The owner/operator shall maintain an operations log for this equipment/process current and on-site (or at a central location) for a minimum of five (5) years, and this log shall be provided to District, State and Federal personnel upon request. The log shall include, at a minimum, the information specified below:
(a) Test Bay number and/or District Permit number;
(b) Date and time of test;
(c) Amount, in pounds, of propellant used in each test; and
(d) Wind speed before each test.
[District Rule 204; 40 CFR 70.6(a)(3)(ii)(b)]

9. No more than one test shall be permitted at the Skytop and LTC Areas within an interval such that measurable exposure from one test is added to the emissions from other tests or other activities emitting significant pollutants.
[District Rule 204]

~~zzz. B001070 – ROCKET TEST STAND (SKYTOP BAY IV)~~

~~*EQUIPMENT DESCRIPTION: Two static test stands, one vertical/horizontal and the other horizontal/vertical, used to test solid propellants up to a maximum of 60,000 lb. This unit was constructed in 1965. This rocket test stand is only used for the purpose of Department of Defense Research, Development, Testing and Evaluation (RDT&E).*~~

~~1. This equipment shall be installed, operated and maintained in strict accordance with those recommendations of the manufacturer/supplier and/or sound engineering principles which produce the minimum emissions of contaminants. Unless otherwise noted, this equipment shall also be operated in accordance with all data and specifications submitted with the application for this permit.
[District Rule 204]~~

~~2. This test stand shall be limited to the use of solid propellant rocket motors unless prior written approval of a test plan is obtained from the District. This limitation does not apply to liquid propellant fueling/defueling of aerial targets.
[District Rule 204]~~

~~3. The maximum amount of solid propellant which shall be used on this stand in any 24-hour period from midnight to midnight is 60,000 pounds.
[District Rule 204]~~

~~4. The maximum amount of solid propellant which shall be used in any one test is 60,000 pounds.~~

~~[District Rule 204]~~

~~5. The maximum number of large rocket motor tests (tests where the rocket motor is fired using more than 10,000 pounds of solid propellant) that can be conducted in any 24-hour period from midnight to midnight is one (1).~~
~~[District Rule 204]~~

~~6. The maximum number of test stands at the Skytop and LTC Areas (Permits B001065 through B001072, B004091, B004375 and B011470) that can be used for large rocket motor tests in any 24-hour period from midnight to midnight is one (1).~~
~~[District Rule 204]~~

~~7. The meteorological conditions that are required for a test firing are as follows:~~
~~(a) The maximum wind speed from any and all directions shall be less than 30 mph.~~
~~[District Rule 204]~~

~~8. The owner/operator shall maintain an operations log for this equipment/process current and on-site (or at a central location) for a minimum of five (5) years, and this log shall be provided to District, State and Federal personnel upon request. The log shall include, at a minimum, the information specified below:~~
~~(a) Test Bay number and/or District Permit number;~~
~~(b) Date and time of test;~~
~~(c) Amount, in pounds, of propellant used in each test; and~~
~~(d) Wind speed before each test.~~
~~[District Rule 204; 40 CFR 70.6(a)(3)(ii)(b)]~~

~~9. No more than one test shall be permitted at the Skytop and LTC Areas within an interval such that measurable exposure from one test is added to the emissions from other tests or other activities emitting significant pollutants.~~
~~[District Rule 204]~~

~~kkkkk.~~d. B001071 - ROCKET TEST STAND (SKYTOP BAY ~~VII~~X)

EQUIPMENT DESCRIPTION: A static test stand used to test Rocket motors fired by solid propellants up to a maximum of 130,000 lb and capable of being rotated to zero degrees (horizontal), 45 degrees vertical, 85 degrees vertical, and 90 degrees vertical (nozzle down). This unit was constructed in 1985 and includes a moveable assembly building equipped with a temperature conditioning system, a 65 ton capacity gantry crane, and a 6 ton capacity gantry crane. This rocket test stand is only used for the purpose of Department of Defense Research, Development, Testing and Evaluation (RDT&E).

1. This equipment shall be installed, operated and maintained in strict accordance with those recommendations of the manufacturer/supplier and/or sound engineering principles which produce the minimum emissions of contaminants. Unless otherwise noted, this equipment

shall also be operated in accordance with all data and specifications submitted with the application for this permit.
[District Rule 204]

2. This test stand shall be limited to the use of solid propellant rocket motors.
[District Rule 204]

3. The maximum amount of solid propellant which shall be used on this stand in any 24-hour period from midnight to midnight is 130,000 pounds.
[District Rule 204]

4. The maximum amount of solid propellant which shall be used in any one test is 130,000 pounds.
[District Rule 204]

5. The maximum number of large rocket motor tests (tests where the rocket motor is fired using more than 10,000 pounds of solid propellant) that can be conducted in any 24-hour period from midnight to midnight is one (1).
[District Rule 204]

6. The maximum number of test stands at the Skytop and LTC Areas (Permits B001065 through B001072, B004091~~, B004375~~ and B011470) that can be used for large rocket motor tests in any 24-hour period from midnight to midnight is one (1).
[District Rule 204]

7. The meteorological conditions that are required for a test firing are as follows:
(a) The maximum wind speed from any and all directions shall be less than 30 mph.
[District Rule 204]

8. The owner/operator shall maintain an operations log for this equipment/process current and on-site (or at a central location) for a minimum of five (5) years, and this log shall be provided to District, State and Federal personnel upon request. The log shall include, at a minimum, the information specified below:
(a) Test Bay number and/or District Permit number;
(b) Date and time of test;
(c) Amount, in pounds, of propellant used in each test; and
(d) Wind speed before each test.
[District Rule 204; 40 CFR 70.6(a)(3)(ii)(b)]

9. No more than one test shall be permitted at the Skytop and LTC Areas within an interval such that measurable exposure from one test is added to the emissions from other tests or other activities emitting significant pollutants.
[District Rule 204]

~~IIII.~~e. B001072 - ROCKET TEST STAND (SKYTOP BAY VII)

EQUIPMENT DESCRIPTION: A static, horizontal test stand used to test Rocket motors fired by solid propellants up to a maximum of 300,000 lb. This unit was constructed around 1984 and includes a moveable assembly building equipped with a temperature conditioning system and a 10 ton capacity gantry crane. This rocket test stand is only used for the purpose of Department of Defense Research, Development, Testing and Evaluation (RDT&E).

1. This equipment shall be installed, operated and maintained in strict accordance with those recommendations of the manufacturer/supplier and/or sound engineering principles which produce the minimum emissions of contaminants. Unless otherwise noted, this equipment shall also be operated in accordance with all data and specifications submitted with the application for this permit.
[District Rule 204]

2. This test stand shall be limited to the use of solid propellant rocket motors.
[District Rule 204]

3. The maximum amount of solid propellant which shall be used on this stand in any 24-hour period from midnight to midnight is 150,000 pounds unless prior approval of a test plan is obtained from the District.
[District Rule 204]

4. The maximum amount of solid propellant which shall be used in any one test is 150,000 pounds unless prior approval of a test plan is obtained from the District.
[District Rule 204]

5. The maximum number of large rocket motor tests (tests where the rocket motor is fired using more than 10,000 pounds of solid propellant) that can be conducted in any 24-hour period from midnight to midnight is one (1).
[District Rule 204]

6. The maximum number of test stands at the Skytop and LTC Areas (Permits B001065 through B001072, B004091~~, B004375~~ and B011470) that can be used for large rocket motor tests in any 24-hour period from midnight to midnight is one (1).
[District Rule 204]

7. The meteorological conditions that are required for a test firing are as follows:
(a) The maximum wind speed from any and all directions shall be less than 30 mph.
[District Rule 204]

8. The owner/operator shall maintain an operations log for this equipment/process current and on-site (or at a central location) for a minimum of five (5) years, and this log shall be provided to District, State and Federal personnel upon request. The log shall include, at a minimum, the information specified below:

(a) Test Bay number and/or District Permit number;
(b) Date and time of test;
(c) Amount, in pounds, of propellant used in each test; and
(d) Wind speed before each test.
[District Rule 204; 40 CFR 70.6(a)(3)(ii)(b)]

9. No more than one test shall be permitted at the Skytop and LTC Areas within an interval such that measurable exposure from one test is added to the emissions from other tests or other activities emitting significant pollutants.
[District Rule 204]

~~mmmmm.~~f. B003132 - ROCKET AND AIR-BREATHING ENGINE TEST STANDS, T-RANGE AREA (AEROHEAT)

EQUIPMENT DESCRIPTION: Three test stands. These three test stands are designed for: 1) Static horizontal airbreathing engine tests; 2) Aerothermal material tests; and 3) Rocket motor tests (performed vertically or horizontally). Each test stand utilizes a vitiator that generates heated airflow with high flor rates, temperatures, and pressures. Liquid hydrocarbons (such as JP-10) are often utilized in the horizontal airbreathing engine testing. ~~Two test stands installed in 1960. The first test stand is designed for static horizontal airbreathing engine tests operating on liquid hydrocarbon (such as JP-10). The second test stand is designed for aeroheating and rocket motor tests. When aeroheating, test stand two employs heated air flow for horizontal testing, with generated high flow rates and varying pressure. Rocket motor tests may be performed vertically or horizontally in test stand two.~~ These rocket test stands are only used for the purpose of Department of Defense Research, Development, Testing and Evaluation (RDT&E).

1. This equipment shall be installed, operated and maintained in strict accordance with those recommendations of the manufacturer/supplier and/or sound engineering principles which produce the minimum emissions of contaminants. Unless otherwise noted, this equipment shall also be operated in accordance with all data and specifications submitted with the application for this permit.
[District Rule 204]

2. The maximum volume of propane/LPG used at this test stand shall not exceed the following limits:
   (a) 10,000 gallons in any one test.
   (b) 20,000 gallons in any one rolling consecutive seven-day period.
   (c) 420,000 gallons in any one rolling consecutive twelve-month period.
[District Rule 204]

3. The maximum volume of non-propane/LPG liquid hydrocarbons used at this test stand shall not exceed the following limits:
   (a) 2,000 gallons in any 24-hour period, midnight to midnight.
   (b) 11,000 gallons in any one rolling consecutive twelve-month period.
[District Rule 204]

4. The maximum weight of solid propellant used at this test stand shall not exceed the following limits:
   (a) 1,000 pounds in any 24-hour period, midnight to midnight.
   (b) 6,000 pounds in any one rolling consecutive twelve-month period.
   [District Rule 204]

5. The meteorological conditions that are required for a test firing are as follows:
   (a) For tests involving solid rocket motors in a vertical test configuration (i.e. nozzle up) - Average wind speed greater than one mph and less than 15 mph;
   (b) For tests involving solid rocket motors in a horizontal test configuration - Average wind speed less than 30 mph; and
   (c) For all other tests - No wind speed limitation.
   [District Rule 204]

6. The owner/operator shall maintain an operations log for this test stand current and on-site (or at a central location) for a minimum of five (5) years, and this log shall be provided to District, State and Federal personnel upon request. The log shall include, at a minimum, the information specified below:
   (a) Test Bay number and/or District Permit number;
   (b) Date, time, and duration of test;
   (c) Amount, in pounds of propellant and gallons of liquid hydrocarbons (including propane/LPG) used in each test; and
   (d) Wind speed before each test.
   [District Rule 204; 40 CFR 70.6(a)(3)(ii)(b)]

7. No more than one test shall be permitted at the T-Range Area within an interval such that measurable exposure from one test is added to the emissions from other tests or other activities emitting significant pollutants.
   [District Rule 204]

~~nnnnn.~~g. B004091 - TEST STAND, ROCKET (SKYTOP BAY VIII)

EQUIPMENT DESCRIPTION: A static, vertical (nozzle up) test stand used to test Rocket motors fired by solid propellants up to a maximum of 12,000 lb. This unit was constructed in 1994 and is primarily used to study solid rocket motor exhaust plumes. This test stand is only used for the purpose of Department of Defense Research, Development, Testing and Evaluation (RDT&E).

1. This equipment shall be installed, operated and maintained in strict accordance with those recommendations of the manufacturer/supplier and/or sound engineering principles which produce the minimum emissions of contaminants. Unless otherwise noted, this equipment shall also be operated in accordance with all data and specifications submitted with the application for this permit.
   [District Rule 204]

2. This test stand shall be limited to the use of solid propellant rocket motors unless prior written approval of a test plan is obtained from the District.
[District Rule 204]

3. The maximum amount of solid propellant which shall be used on this stand in any 24-hour period from midnight to midnight is 12,000 pounds. Furthermore, the maximum amount of solid propellant which shall be used on this stand in any consecutive 30-day period is 72,000 pounds.
[District Rule 204]

4. The maximum amount of solid propellant which shall be used in any one test is 12,000 pounds.
[District Rule 204]

5. The maximum number of large rocket motor tests (tests where the rocket motor is fired using more than 10,000 pounds of solid propellant) that can be conducted in any 24-hour period from midnight to midnight is one (1).
[District Rule 204]

6. The maximum number of test stands at the Skytop and LTC Areas (Permits B001065 through B001072, B004091~~, B004375~~ and B011470) that can be used for large rocket motor tests in any 24-hour period from midnight to midnight is one (1).
[District Rule 204]

7. The meteorological conditions that are required for a test firing are as follows:
(a) The maximum wind speed from any and all directions shall be less than 30 mph.
[District Rule 204]

8. The owner/operator shall maintain an operations log for this equipment/process current and on-site (or at a central location) for a minimum of five (5) years, and this log shall be provided to District, State and Federal personnel upon request. The log shall include, at a minimum, the information specified below:
(a) Test Bay number and/or District Permit number;
(b) Date and time of test;
(c) Amount, in pounds, of propellant used in each test; and
(d) Wind speed before each test.
[District Rule 204; 40 CFR 70.6(a)(3)(ii)(b)]

9. No more than one test shall be permitted at the Skytop and LTC Areas within an interval such that measurable exposure from one test is added to the emissions from other tests or other activities emitting significant pollutants.
[District Rule 204]

~~ooooo.~~ ~~B004375 - TEST STAND, CONTAINED BURN TEST CHAMBER: CBAT (SKYTOP BAY MS3)~~

~~*EQUIPMENT DESCRIPTION: A 16 foot diameter steel cylinder approximately 70 ft long with hemispherical domes at each end. The forward dome is removable for loading test charges while the aft dome is equipped with a 42 inch diameter venturi. The chamber is lined with 4 inches of high temperature refractory and is equipped with a water injection system to maintain the chamber temperature at approximately 1000 degrees Fahrenheit. This test stand is only used for the purpose of Department of Defense Research, Development, Testing and Evaluation (RDT&E).*~~

~~1. This equipment shall be installed, operated and maintained in strict accordance with those recommendations of the manufacturer/supplier and/or sound engineering principles which produce the minimum emissions of contaminants. Unless otherwise noted, this equipment shall also be operated in accordance with all data and specifications submitted with the application for this permit.~~
~~[District Rule 204]~~

~~2. This test stand shall be limited to the use of solid propellant rocket motors.~~
~~[District Rule 204]~~

~~3. This equipment shall not be operated unless vented to the properly functioning air pollution control device described in District permit C004376, except as required in a test program that has received prior written approval from the District.~~
~~[District Rule 204]~~

~~4. The maximum amount of solid propellant which shall be used in any one test is 50,000 pounds.~~
~~[District Rule 204]~~

~~5. The maximum number of large rocket motor tests (tests where the rocket motor is fired using more than 10,000 pounds of solid propellant) that can be conducted in any 24-hour period from midnight to midnight is one (1).~~
~~[District Rule 204]~~

~~6. The maximum number of test stands at the Skytop and LTC Areas (Permits B001065 through B001072, B004091, B004375 and B011470) that can be used for large rocket motor tests in any 24-hour period from midnight to midnight is one (1).~~
~~[District Rule 204]~~

~~7. The meteorological conditions that are required for a test firing are as follows:~~
~~(a) The maximum wind speed from any and all directions shall be less than 30 mph.~~
~~[District Rule 204]~~

~~8. The owner/operator shall maintain an operations log for this equipment/process current and on-site (or at a central location) for a minimum of five (5) years, and this log shall be~~

~~provided to District, State and Federal personnel upon request. The log shall include, at a minimum, the information specified below:~~
~~(a) Test Bay number and/or District Permit number;~~
~~(b) Date and time of test;~~
~~(c) Amount, in pounds, of propellant used in each test; and~~
~~(d) Wind speed before each test~~
~~[District Rule 204; 40 CFR 70.6(a)(3)(ii)(b)]~~

~~9. No more than one test shall be permitted at the Skytop and LTC Areas within an interval such that measurable exposure from one test is added to the emissions from other tests or other activities emitting significant pollutants.~~
~~[District Rule 204]~~

~~zzzzzzz.~~h. B011470 - ROCKET MOTOR TEST FACILITY (~~LTC~~LTF)

EQUIPMENT DESCRIPTION: A static, vertical test stand used to test solid propellants to a maximum of 250 lb. This unit was constructed in 2012 and allows products of combustion to be released approximately 45 to 50 feet above ground. This rocket motor test facility is only used for the purpose of Department of Defense Research, Development, Testing and Evaluation (RDT&E).

1. This equipment shall be installed, operated and maintained in strict accordance with those recommendations of the manufacturer/supplier and/or sound engineering principles which produce the minimum emissions of contaminants. Unless otherwise noted, this equipment shall also be operated in accordance with all data and specifications submitted with the application for this permit.
[District Rule 204]

2. This test stand shall be limited to the use of solid propellant.
[District Rule 204]

3. The maximum number of tests per seven (7) day running period is two (2) unless prior approval of a test plan is obtained from the District.
[District Rule 204]

4. The maximum amount of solid propellant which shall be used in any one test is 250 pounds unless prior approval of a test plan is obtained from the District.
[District Rule 204]

5. The maximum number of large rocket motor tests (tests where the rocket motor is fired using more than 10,000 pounds of solid propellant) that can be conducted in any 24-hour period from midnight to midnight is one (1).
[District Rule 204]

6. The maximum number of test stands at the Skytop and LTC Areas (Permits B001065 through B001072, B004091~~, B004375~~ and B011470) that can be used for large rocket motor tests in any 24-hour period from midnight to midnight is one (1).
[District Rule 204]

7. The meteorological conditions that are required for a test firing are as follows:
(a) The maximum wind speed from any and all directions shall be less than 30 mph.
[District Rule 204]

8. The owner/operator shall maintain an operations log for this equipment/process current and on-site (or at a central location) for a minimum of five (5) years, and this log shall be provided to District, State and Federal personnel upon request. The log shall include, at a minimum, the information specified below:
(a) Test Bay number and/or District Permit number;
(b) Date and time of test;
(c) Amount, in pounds, of propellant used in each test; and
(d) Wind speed before each test
[District Rule 204; 40 CFR 70.6(a)(3)(ii)(b)]

9. No more than one test shall be permitted at the Skytop and LTC Areas within an interval such that measurable exposure from one test is added to the emissions from other tests or other activities emitting significant pollutants.
[District Rule 204]

~~aaaaaaa.~~ ~~C004376 – SCRUBBER, GAS (SKYTOP BAY MS3 – CBAT)~~

~~*EQUIPMENT DESCRIPTION: A vertical Quench Chamber to cool combustion gas; a Venturi Rod Scrubber with 10,000 gallon recycle vessel to remove particulates; two Venturi Sorber Scrubbers, each with a 5000 gallon recycle vessel to remove fine particulates/acid absorption/demisting; a Deep Bed Filtration system; and a caustic mixing and storage tank.*~~

~~1. This equipment shall be installed, operated and maintained in strict accordance with those recommendations of the manufacturer/supplier and/or sound engineering principles which produce the minimum emissions of contaminants. Unless otherwise noted, this equipment shall also be operated in accordance with all data and specifications submitted with the application for this permit.~~
~~[District Rule 204; 40 CFR 63.6640(a)]~~

~~2. A test plan for each new series of tests utilizing this equipment shall be submitted to the District and must be approved in writing by the APCO prior to commencement of the tests and operation of this equipment.~~
~~[District Rule 204]~~

~~3. This equipment shall be properly functioning whenever tests are conducted in the Contained Burn Test Chamber described in District Permit B004375, except when exempted in writing by the APCO.~~
~~[District Rule 204]~~

D) COOK-OFF, HEATING, AND DROP TEST STANDS

~~a. B002908 – CONTAINED BURN TEST STAND (CT-3)~~

~~*EQUIPMENT DESCRIPTION: Custom manufactured experimental, limited use testing equipment as described in the District-approved test plan. Controls for this equipment may include the Scrubbing/Filtering System described in District permit C002909.*~~

~~1. This equipment shall be installed, operated and maintained in strict accordance with those recommendations of the manufacturer/supplier and/or sound engineering principles which produce the minimum emissions of contaminants. Unless otherwise noted, this equipment shall also be operated in accordance with all data and specifications submitted with the application for this permit.~~
~~[District Rule 204]~~

~~2. A test program for each series of tests shall be submitted to the District for written approval prior to operating this equipment.~~
~~[District Rule 204]~~

~~3. This equipment shall not be operated unless it is vented to the air pollution control system described in valid District permit C002909, except as required in a test program that has received prior written approval from the District.~~
~~[District Rule 204]~~

~~4. The maximum amount of solid propellant which shall be used in any one test is 400 pounds.~~
~~[District Rule 204]~~

~~5. The maximum number of tests allowed to be performed at this test stand is one (1) per day, and no more than four (4) per week.~~
~~[District Rules 204 and 1302; 40 CFR 64]~~

~~6. The owner/operator shall maintain an operations log for this test stand current and on-site (or at a central location) for a minimum of five (5) years, and this log shall be provided to District, State and Federal personnel upon request. The log shall include, at a minimum, the information specified below:~~
~~(a) Test Bay number and/or District Permit number;~~

~~(b) Date and time of test;~~
~~(c) Purpose of each test; and~~
~~(d) Amount, in pounds, of propellant used in each test~~
~~[District Rule 204; 40 CFR 70.6(a)(3)(ii)(b)]~~

~~7. The total daily emissions for particulate matter (PM-10) from this test stand to the atmosphere shall be limited to 250 pounds per day.~~
~~[District Rules 204 and 1302]~~

~~ee.~~a. B003133 - TEST FACILITY (WEAPONS SURVIVABILITY LAB MAIN SITE: HIVAS)

EQUIPMENT DESCRIPTION: Six test pads. This facility includes the High Velocity Air Flow System (HIVAS), with four Pratt & Whitney TF-33 turbofan engines in a square cluster with their axes parallel and horizontal. HIVAS is located on a turntable allowing it to be used on any of four adjacent test pads, and was installed in 1974. This facility performs aircraft live fire survivability or lethality tests, aerodynamic tests, cookoff tests, and remote-controlled run-up and operation of aircraft, sea vehicle, land vehicle and/or missile engines.

1. This equipment shall be installed, operated and maintained in strict accordance with those recommendations of the manufacturer/supplier and/or sound engineering principles which produce the minimum emissions of contaminants. Unless otherwise noted, this equipment shall also be operated in accordance with all data and specifications submitted with the application for this permit.
   [District Rule 204]

2. No more than one test shall be permitted at this facility within an interval such that measurable emissions from one test are added to the emissions from other tests, or other activities emitting significant pollutants.
   [District Rule 204]

3. The following per test limits shall not be exceeded, unless previously approved in writing by the District:
   (a) Fuel in test item per live fire or cookoff test – 2,000 gallons
   (b) Fuel in test item per aerodynamic test or run up – 4,000 gallons
   (c) Exterior fuel per cookoff test – 2,000 gallons
   (d) Any combination of Explosives, Propellants, and Flares per live fire, aerodynamic or cookoff test - ~~150~~ 3,000 pounds
   (e) HIVAS fuel per live fire test – 5,000 gallons
   (f) HIVAS fuel per aerodynamic test - 20,000 gallons
   [District Rule 204]

4. No more than 3,000 pounds of energetic material (propellant, explosives, or pyrotechnics) shall be used for tests within any consecutive 24-hour period, unless previously approved in writing by the District.
[District Rule 204]

5. No more than 50,000 gallons of fuel shall be used for all tests in the Weapons Survivability Lab complex within any consecutive 24-hour period, unless previously approved in writing by the District.
[District Rule 204]

6. No more than forty-five (45) tests shall be conducted within any seven (7) consecutive day period, unless previously approved in writing by the District.
[District Rule 204]

7. The owner/operator shall maintain an operations log for this test equipment/process current and on-site (or at a central location) for a minimum of five (5) years, and this log shall be provided to District, State and Federal personnel upon request. The log shall include, at a minimum, the information specified below:
   (a) Type of test;
   (b) Amounts (in gallons) and types of fuels used in each test, including amount used by HIVAS;
   (c) Amounts (in pounds) and types of energetic materials used in each test;
   (d) Date of each test; and
   (e) Wind speed before each test involving ordnance.
   [District Rule 204; 40 CFR 70.6(a)(3)(ii)(b)]

8. For tests involving the use of ordnance, the wind speed from any and all directions must be less than 30 mph.
[District Rule 204]

~~ff.~~b. B003277 - TEST FACILITY (WEAPONS SURVIVABILITY RANGE: K-2)

EQUIPMENT DESCRIPTION: Five test pads. This range performs aircraft live fire survivability or lethality tests, cookoff tests, and remote-controlled run-up and operation of aircraft, sea vehicle, land vehicle and/or missile engines.

1. This equipment shall be installed, operated and maintained in strict accordance with those recommendations of the manufacturer/supplier and/or sound engineering principles which produce the minimum emissions of contaminants. Unless otherwise noted, this equipment shall also be operated in accordance with all data and specifications submitted with the application for this permit.
[District Rule 204]

2. No more than one test shall be permitted at this facility within an interval such that measurable emissions from one test are added to the emissions from other tests, or other activities emitting significant pollutants.
[District Rule 204]

3. The following per test limits shall not be exceeded, unless previously approved in writing by the District:
(a) Fuel in test item per live fire or cookoff test ~~-~~ 2,000 gallons
(b) Fuel in test item per aerodynamic test or run up ~~-~~ 4,000 gallons
(c) Exterior fuel per cookoff test ~~-~~ 2,000 gallons
(d) Any combination of Explosives, Propellants, and Flares per live fire, aerodynamic or cookoff test - ~~150~~ 3,000 pounds
[District Rule 204]

4. No more than 3,000 pounds of energetic material (propellant, explosives, or pyrotechnics) shall be used for tests within any consecutive 24-hour period, unless previously approved in writing by the District.
[District Rule 204]

5. No more than 50,000 gallons of fuel shall be used for all tests in the Weapons Survivability Lab complex within any consecutive 24-hour period, unless previously approved in writing by the District.
[District Rule 204]

6. No more than forty-five (45) tests shall be conducted within any seven (7) consecutive day period, unless previously approved in writing by the District.
[District Rule 204]

7. The owner/operator shall maintain an operations log for this test equipment/process current and on-site (or at a central location) for a minimum of five (5) years, and this log shall be provided to District, State and Federal personnel upon request. The log shall include, at a minimum, the information specified below:
(a) Type of test;
(b) Amounts (in gallons) and types of fuels used in each test;
(c) Amounts (in pounds) and types of energetic materials used in each test;
(d) Date of each test; and
[District Rule 204; 40 CFR 70.6(a)(3)(ii)(b)]

~~gg.~~c. B005156 - FIRE DECK RESEARCH AND TEST FACILITY (MINIDECK)

EQUIPMENT DESCRIPTION: A concrete pad with firefighting piping and equipment, drainage troughs, a replaceable JP-8/F-24 fuel storage tank (any tank size up to 20,000 gallons is authorized), and a fuel/water management system.

1. This equipment shall be installed, operated and maintained in strict accordance with those recommendations of the manufacturer/supplier and/or sound engineering principles which produce the minimum emissions of contaminants. Unless otherwise noted, this equipment shall also be operated in accordance with all data and specifications submitted with the application for this permit.
[District Rule 204; 40 CFR 63.6640(a)]

2. The maximum volumes of fuel burned during any rolling consecutive 24-hour period shall not exceed 5,000 gallons of any combination of JP-8, JP-24, propane and gasoline. The total amount of gasoline burned in any rolling consecutive 24-hour period shall not exceed 600 gallons. The total amount of each fuel burned annually shall not exceed ~~210,000~~120,000 gallons of aviation fuel, 5,000 gallons of propane, and ~~1~~2,000 gallons of gasoline.

3. The owner/operator shall maintain an operations log for this equipment current and on-site (or at a central location) for a minimum of five (5) years, and this log shall be provided to District, State and Federal personnel upon request. The log shall include, at a minimum, the information specified below:
(a) Date of each use;
(b) Amounts (in gallons) and types of fuels used in each test; and
(c) Calendar year operation in terms of fuel consumption (in gallons) to ensure accurate Emission Inventory inputs;
[District Rule 204; 40 CFR 70.6(a)(3)(ii)(b)]

4. The facility must submit accurate emissions inventory data to the District, in a format approved by the District, upon District request.
[District Rule 204]

~~hh.~~d. B007890 - TEST FACILITY (WEAPONS SURVIVABILITY LAB, LFT)

EQUIPMENT DESCRIPTION: Two test pads. This facility includes the second High Velocity Air Flow System (HIVAS), with nine Pratt & Whitney TF-33 turbofan engines in a square cluster with their axes parallel and horizontal. HIVAS is located on a turntable allowing it to be used on any of two adjacent test pads. This facility performs aircraft live fire survivability or lethality tests, aerodynamic tests, cookoff tests, and remote-controlled run-up and operation of aircraft, sea vehicle, land vehicle and/or missile engines.

1. This equipment shall be installed, operated and maintained in strict accordance with those recommendations of the manufacturer/supplier and/or sound engineering principles which produce the minimum emissions of contaminants. Unless otherwise noted, this equipment shall also be operated in accordance with all data and specifications submitted with the application for this permit.

[District Rule 204]

2. No more than one test shall be permitted at this facility within an interval such that measurable emissions from one test are added to the emissions from other tests, or other activities emitting significant pollutants.
[District Rule 204]

3. The following per test limits shall not be exceeded, unless previously approved in writing by the District:
(a) Fuel in test item per live fire or cookoff test – 2,000 gallons
(b) Fuel in test item per aerodynamic test or run up – 4,000 gallons
(c) Exterior fuel per cookoff test – 2,000 gallons
(d) Any combination of Explosives, Propellants, and Flares per live fire, aerodynamic or cookoff test - ~~150~~ 3,000 pounds
(e) HIVAS fuel per live fire test – 5,000 gallons
(f) HIVAS fuel per aerodynamic test - 30,000 gallons
[District Rule 204]

4. No more than 3,000 pounds of energetic material (propellant, explosives, or pyrotechnics) shall be used for tests within any consecutive 24-hour period, unless previously approved in writing by the District.
[District Rule 204]

5. No more than 50,000 gallons of fuel shall be used for all tests in the Weapons Survivability Lab complex within any consecutive 24-hour period, unless previously approved in writing by the District.
[District Rule 204]

6. No more than forty-five (45) tests shall be conducted within any seven (7) consecutive day period, unless previously approved in writing by the District.
[District Rule 204]

7. The owner/operator shall maintain an operations log for this test equipment/process current and on-site (or at a central location) for a minimum of five (5) years, and this log shall be provided to District, State and Federal personnel upon request. The log shall include, at a minimum, the information specified below:
(a) Type of test;
(b) Amounts (in gallons) and types of fuels used in each test, including amount used by HIVAS;
(c) Amounts (in pounds) and types of energetic materials used in each test;
(d) Date of each test; and
(e) Wind speed before test involving ordnance or open combustion of fuels/energetics.
[District Rule 204; 40 CFR 70.6(a)(3)(ii)(b)]

8. For tests involving the use of ordnance, the wind speed from any and all directions must be less than 30 mph.

[District Rule 204]

~~ii.~~e. B010539 - TEST FACILITY, WEAPONS SURVIVABILITY (ATS)

EQUIPMENT DESCRIPTION: A 10,000 square foot open-air concrete test pad for live fire test & evaluation (LFT&E). This test site is used to perform aircraft live fire survivability or lethality tests, aerodynamic tests, cook-off tests, and remote-controlled run-up and operation of aircraft, sea vehicles and/or missile engines.

1. This equipment shall be installed, operated and maintained in strict accordance with those recommendations of the manufacturer/supplier and/or sound engineering principles which produce the minimum emissions of contaminants. Unless otherwise noted, this equipment shall also be operated in accordance with all data and specifications submitted with the application for this permit.
   [District Rule 204]

2. No more than one test shall be permitted at this facility within an interval such that measurable emissions from one test are added to the emissions from other tests, or other activities emitting significant pollutants.
   [District Rule 204]

3. The following per test limits shall not be exceeded, unless previously approved in writing by the District:
   (a) Fuel in test item per live fire or cookoff test – 2,000 gallons
   (b) Fuel in test item per aerodynamic test or run up – 4,000 gallons
   (c) Exterior fuel per cookoff test – 2,000 gallons
   (d) Any combination of Explosives, Propellants, and Flares per live fire, aerodynamic or cookoff test - ~~150~~ 3,000 pounds
   [District Rule 204]

4. No more than 3,000 pounds of energetic material (propellant, explosives, or pyrotechnics) shall be used for tests within any consecutive 24-hour period, unless previously approved in writing by the District.
   [District Rule 204]

5. No more than 50,000 gallons of fuel shall be used for all tests in the Weapons Survivability Lab complex within any consecutive 24-hour period, unless previously approved in writing by the District.
   [District Rule 204]

6. No more than forty-five (45) tests shall be conducted within any seven (7) consecutive day period, unless previously approved in writing by the District.
   [District Rule 204]

7. The owner/operator shall maintain an operations log for this test equipment/process current and on-site (or at a central location) for a minimum of five (5) years, and this log shall be provided to District, State and Federal personnel upon request. The log shall include, at a minimum, the information specified below:
   (a) Type of test;
   (b) Amounts (in gallons) and types of fuels used in each test;
   (c) Amounts (in pounds) and types of energetic materials used in each test;
   (d) Date of each test; and
   [District Rule 204; 40 CFR 70.6(a)(3)(ii)(b)]

~~jj. C002909 – SCRUBBING SYSTEM (CT-3)~~

~~*EQUIPMENT DESCRIPTION: A settler/quench column 6 ft in diameter by 8 ft high, an integral 6 cartridge dust collector, and a gas scrubber 3 ft in diameter by 16 ft high with a liquid lattice spray header. The liquid in this scrubber may be aqueous caustic or water, depending on the type of material(s) being tested. caustic/water tank and treatment system @3500 gallons; gas retention system (size TBD); and the stack, 1 ft in diameter and 30 ft above grade (specific equipment details subject to individual District approved test plan).*~~

~~1. This equipment shall be installed, operated and maintained in strict accordance with those recommendations of the manufacturer/supplier and/or sound engineering principles which produce the minimum emissions of contaminants. Unless otherwise noted, this equipment shall also be operated in accordance with all data and specifications submitted with the application for this permit.~~
~~[District Rule 204; 40 CFR 63.6640(a)]~~

~~2. A test plan for each new series of tests utilizing this equipment shall be submitted to the District and must be approved in writing by the APCO prior to commencement of the tests and operation of this equipment.~~
~~[District Rule 204]~~

~~3. This equipment shall be properly functioning whenever tests are conducted in the Test Stand described in District Permit B002908, except when exempted in writing by the APCO.~~
~~[District Rule 204]~~

~~xx.~~f. I001063 - TEST STANDS, CT-4

EQUIPMENT DESCRIPTION: A cook-off, heating and drop test site used to determine the reaction of ordnance when suspended 3-5 feet above an aircraft fuel fire or when impacted by a projectile, to determine the survivability of ordnance when dropped from a 40 ft tower, and to determine how aircraft structural items will react in an aircraft fuel fire. This site was built in the 1960s with four 20-35 foot circular test pads and a 40 foot drop tower.

SEE THE FOLLOWING CONDITIONS FOR I009100, WHICH ARE IDENTICAL TO THIS PERMIT.

~~yy.~~g. I001064 - TEST STAND, CT-6

EQUIPMENT DESCRIPTION: A cook-off, heating and explosive test site used to determine the explosive effects of ordnance, to determine the reaction of ordnance exposed to fire, and to determine how aircraft structural items will react in an aircraft fuel fire. This site was built in the 1960s with a 100-foot by 100-foot square test pad equipped with two 250-foot tall drop towers.

SEE THE FOLLOWING CONDITIONS FOR I009100, WHICH ARE IDENTICAL TO THIS PERMIT.

~~zz.~~h. I003131 - TEST STANDS, CT-1

EQUIPMENT DESCRIPTION: A cook-off and heating test site used to determine the reaction of ordnance exposed to fire or when impacted by a projectile. The ordnance may be wrapped in fiberglass to better simulate a slow cook-off. This site was built in the 1960s with four 20-35 foot by 20-35 foot test pads.

SEE THE FOLLOWING CONDITIONS FOR I009100, WHICH ARE IDENTICAL TO THIS PERMIT.

~~aaa.~~i. I009100 - TEST STAND, COLISEUM

EQUIPMENT DESCRIPTION: A cook-off, heating and explosive detonation test site used to determine the explosive effects of ordnance, to determine the reaction of ordnance exposed to fire, and to determine how aircraft structural items will react. This site was built in the TBD's with a TBD foot by TBD foot square test pad equipped with TBD.

1. This equipment shall be installed, operated and maintained in strict accordance with those recommendations of the manufacturer/supplier and/or sound engineering principles which produce the minimum emissions of contaminants. Unless otherwise noted, this equipment shall also be operated in accordance with all data and specifications submitted with the application for this permit.
   [District Rule 204]

2. The maximum combined amount of energetic material which shall be tested at the sites with valid District permits I001063, I001064, I003131 and I009100 during any rolling consecutive 24-hour period is 13,000 lbs.
   [District Rule 204]

3. The maximum volumes of fuel burned, or any combination of fuel, at the sites with valid District permits I001063, I001064, I003131 and I009100 during any rolling consecutive

24-hour period shall not exceed 15,900 gallons of aviation fuel, gasoline, and propane. The total amount of each fuel burned shall not exceed 5,657,500 gallons of aviation fuel, 109,500 gallons of propane, and 36,500 gallons of gasoline annually.
[District Rule 204]

4. The meteorological conditions that are required for a test firing are as follows:
(a) The maximum wind speed from any and all directions shall be less than 30 mph.
[District Rule 204]

5. The owner/operator shall maintain an operations log for this equipment/process current and on-site (or at a central location) for a minimum of five (5) years, and this log shall be provided to District, State and Federal personnel upon request. The log shall include, at a minimum, the information specified below:
(a) Test Plan number and/or District Permit number;
(b) Date, start time, and duration of each test;
(c) Weight of ordnance tested, in pounds;
(d) Type and amount, in gallons, of fuel(s) burned in each test; and
(e) Wind speed before each test.
[District Rule 204; 40 CFR 70.6(a)(3)(ii)(b)]

6. No more than one test shall be permitted at the sites with valid District permits I001063, I001064, I003131 and I009100 within an interval such that measurable exposure from one test is added to the emissions from other tests or other activities emitting significant pollutants.
[District Rule 204]

E) PRIME-USE INTERNAL COMBUSTION ENGINES

a. B010828 - DIESEL IC ENGINE, GENERATOR (SUPERIOR VALLEY)

EQUIPMENT DESCRIPTION: A certified Tier III diesel engine manufactured in 2009, EPA Family 9JDXL09.0114, equipped with a Level 3 verified (ARB Executive Order DE-08-009-01) diesel particulate filter manufactured by Johnson Matthey. Engine exhaust flow is 1930 ACFM at 882 degrees Fahrenheit.

1. This certified stationary compression-ignited internal combustion engine and its associated emission control systems shall be installed, operated and maintained in strict accordance with those recommendations of the manufacturer/supplier and/or sound engineering principles which produce the minimum emissions of air contaminants. Unless otherwise noted, this equipment shall also be operated in accordance with all data and specifications submitted with the application for this permit.

[District Rule 204; 40 CFR 60.4211(a) and (c)]

2. A non-resettable hour meter with a minimum display capability of 9,999 hours shall be installed and maintained on this unit to indicate elapsed engine operating time.
[District Rule 204; 17 CCR 93115.10(d)]

3. The owner/operator must purchase diesel fuel for this engine that meets the requirements of 40 CFR 80.510(b) for nonroad diesel fuel, which are as follows:
   (a) A sulfur concentration of 0.0015% (15 ppm) or less, on a weight per weight basis; and,
   (b) A cetane index or aromatic content, as follows:
      (1) A minimum cetane index of 40; or,
      (2) A maximum aromatic content of 35 volume percent.

   [40 CFR 60.4207(b)]
   Note: Use of CARB certified ULSD fuel satisfies the above requirements.

4. The owner/operator shall maintain an operations log for this engine current and on-site (or at a central location) for a minimum of five (5) years, and shall include, at a minimum, the following information:
   (a) Monthly and consecutive 12 month rolling period operation in terms of fuel consumption (in total hours);
   (b) Fuel sulfur concentration (the o/o may use the supplier's certification of sulfur content. Such certification may be stored separately from the remainder of the log);
   (c) Maintenance and repair actions performed on the engine;
   (d) Maintenance and repair actions performed on both the Diesel Particulate Filter and its associated backpressure monitor; and
   (e) Records of all performance tests and evaluations.

   [17 CCR 93115.10; 40 CFR 70.6(a)(3)(ii)(b)]

5. The Diesel Particulate Filter must be equipped with a backpressure monitor that notifies the owner or operator when the high backpressure limit of the engine is approached.
   STATE AND DISTRICT ENFORCEABLE ONLY
   [17 CCR 93115.10(d)]

6. This engine is subject to the requirements of Title 17 CCR 93115, the Airborne Toxic Control Measure (ATCM) for Stationary Compression Ignition Engines and 40 CFR 60, Subpart IIII - Standards of Performance for Stationary Compression Ignition Internal Combustion Engines (NSPS). In the event of a conflict between these conditions and the ATCM or NSPS, the more stringent requirements shall govern.
   [District Rule 1302]

7. This engine shall not be operated unless all of the following emission control systems are properly functioning:
   (a) Diesel Particulate Filter;
   (b) Electronic Control Module; and
   (c) Backpressure Monitor

Furthermore, no changes shall be made to any of the above systems unless done so by a factory certified technician.
[District Rule 1302; 40 CFR 60.4211,]

8. This engine shall not be operated for more than 8,362 hours in any consecutive twelve month period. This reduction in operating hours allows an increase in operating hours for the diesel-fueled IC Engine described in District Permit B012374.
[District Rules 204 and 1303]

b. B012343 – DIESEL IC ENGINE, GENERATOR (MOM SITE, GEN 56)

EQUIPMENT DESCRIPTION: A certified Tier 4i diesel engine, EPA Family CPKXL04.4ML1, manufactured by Perkins Engines in 2012 with factory installed emission control devices/systems included. Exhaust flow is 576 CFM at 871 degrees F.

SEE THE FOLLOWING CONDITIONS FOR B012344, WHICH ARE IDENTICAL TO THIS PERMIT.

c. B012344 – DIESEL IC ENGINE, GENERATOR (MOM SITE, GEN 57)

EQUIPMENT DESCRIPTION: A certified Tier 4i diesel engine, EPA Family CPKXL04.4ML1, manufactured by Perkins Engines in 2012 with factory installed emission control devices/systems included. Exhaust flow is 576 CFM at 871 degrees F:

1. This certified stationary compression-ignited internal combustion engine and its associated emission control systems shall be installed, operated and maintained in strict accordance with those recommendations of the manufacturer/supplier and/or sound engineering principles which produce the minimum emissions of air contaminants. Unless otherwise noted, this equipment shall also be operated in accordance with all data and specifications submitted with the application for this permit.
[District Rule 204; 40 CFR 60.4211(a) and (c)]

2. A non-resettable hour meter with a minimum display capability of 9,999 hours shall be installed and maintained on this unit to indicate elapsed engine operating time.
[District Rule 204; 17 CCR 93115.10(d)]

3. The owner/operator must purchase diesel fuel for this engine that meets the requirements of 40 CFR 80.510(b) for nonroad diesel fuel, which are as follows:
   (a) A sulfur concentration of 0.0015% (15 ppm) or less, on a weight per weight basis; and,
   (b) A cetane index or aromatic content, as follows:
      (1) A minimum cetane index of 40; or,

(2) A maximum aromatic content of 35 volume percent.
[40 CFR 60.4207(b)]
Note: Use of CARB certified ULSD fuel satisfies the above requirements.

4. The owner/operator shall maintain an operations log for this engine current and on-site (or at a central location) for a minimum of five (5) years, and shall include, at a minimum, the following information:
   (a) Monthly and consecutive 12 month rolling period operation in terms of fuel consumption (in total hours);
   (b) Fuel sulfur concentration (the o/o may use the supplier's certification of sulfur content. Such certification may be stored separately from the remainder of the log);
   (c) Maintenance and repair actions performed on the engine;
   (d) Maintenance and repair actions performed on both the Diesel Oxidation Catalyst and the Continuous Trap Oxidizer; and
   (e) Records of all performance tests and evaluations.
   [17 CCR 93115.10; 40 CFR 70.6(a)(3)(ii)(b)]

5. The Continuous Trap Oxidizer must be equipped with a backpressure monitor that notifies the owner or operator when the high backpressure limit of the engine is approached.
   [District Rule 204; 40 CFR 60.4209(b)]

6. This engine is subject to the requirements of Title 17 CCR 93115, the Airborne Toxic Control Measure (ATCM) for Stationary Compression Ignition Engines and 40 CFR 60, Subpart IIII - Standards of Performance for Stationary Compression Ignition Internal Combustion Engines (NSPS). In the event of a conflict between these conditions and the ATCM or NSPS, the more stringent requirements shall govern.
   [District Rule 1302]

7. This engine shall not be operated unless all of the following emission control systems are properly functioning:
   (a) Continuous Trap Oxidizer;
   (b) Diesel Oxidation Catalyst;
   (c) Electronic Control Module; and
   (d) Backpressure Monitor
   Furthermore, no changes shall be made to any of the above systems unless done so by a factory certified technician.
   [District Rule 1302; 40 CFR 60.4211,]

8. The total combined operating hours for the two engines described in District permits B012343 and B012344 shall not exceed 7,850 hours in any consecutive 12-month period.
   [District Rules 204, 1303 and 1305]

d. B012374 - DIESEL IC ENGINE, GENERATOR (SEABEE

TRAINING SITE)

EQUIPMENT DESCRIPTION: A certified Tier 4 Diesel Engine, EPA Family EKHXL2.48TCR, manufactured in 2014 with a factory-installed diesel oxidation catalyst system.

1. This certified stationary compression-ignited internal combustion engine and its associated emission control systems shall be installed, operated and maintained in strict accordance with those recommendations of the manufacturer/supplier and/or sound engineering principles which produce the minimum emissions of air contaminants. Unless otherwise noted, this equipment shall also be operated in accordance with all data and specifications submitted with the application for this permit.
   [District Rule 204; 40 CFR 60.4211(a) and (c)]

2. A non-resettable hour meter with a minimum display capability of 9,999 hours shall be installed and maintained on this unit to indicate elapsed engine operating time.
   [District Rule 204; 17 CCR 93115.10(d)]

3. The owner/operator must purchase diesel fuel for this engine that meets the requirements of 40 CFR 80.510(b) for nonroad diesel fuel, which are as follows:
   (a) A sulfur concentration of 0.0015% (15 ppm) or less, on a weight per weight basis; and,
   (b) A cetane index or aromatic content, as follows:
      (1) A minimum cetane index of 40; or,
      (2) A maximum aromatic content of 35 volume percent.
   [40 CFR 60.4207(b)]
   Note: Use of CARB certified ULSD fuel satisfies the above requirements.

4. The owner/operator shall maintain an operations log for this engine current and on-site (or at a central location) for a minimum of five (5) years, and shall include, at a minimum, the following information:
   (a) Monthly and consecutive 12 month rolling period operation in terms of fuel consumption (in total hours);
   (b) Fuel sulfur concentration (the o/o may use the supplier's certification of sulfur content. Such certification may be stored separately from the remainder of the log);
   (c) Maintenance and repair actions performed on the engine;
   (d) Maintenance and repair actions performed on the Diesel Oxidation Catalyst; and
   (e) Records of all performance tests and evaluations.
   [17 CCR 93115.10; 40 CFR 70.6(a)(3)(ii)(b)]

5. The Diesel Oxidation Catalyst must be equipped with a pressure differential sensor/gauge.
   [District Rule 204]

6. This engine is subject to the requirements of Title 17 CCR 93115, the Airborne Toxic Control Measure (ATCM) for Stationary Compression Ignition Engines and 40 CFR 60, Subpart IIII - Standards of Performance for Stationary Compression Ignition Internal

Combustion Engines (NSPS). In the event of a conflict between these conditions and the ATCM or NSPS, the more stringent requirements shall govern.
[District Rule 1302]

7. This engine shall not be operated unless the following emission control systems are properly functioning:
(a) Diesel Oxidation Catalyst; and
(b) Electronic Control Module
Furthermore, no changes shall be made to either of the above systems unless done so by a factory certified technician.
[District Rule 1302; 40 CFR 60.4211]

8. This engine shall not be operated for more than 3,276 hours in any consecutive 12-month period.
[District Rules 204, 1303 and 1305]

F) EMERGENCY INTERNAL COMBUSTION ENGINES

a. E004897 - GASOLINE IC ENGINE, EMERGENCY FIRE PUMP (K-2 WEAPONS SURVIVABILITY LAB)

EQUIPMENT DESCRIPTION: An in-use gasoline fueled IC engine powering a direct-drive fire pump.

1. This equipment shall be installed, operated and maintained in strict accordance with those recommendations of the manufacturer/supplier and/or sound engineering principles which produce the minimum emissions of contaminants. Unless otherwise noted, this equipment shall also be operated in accordance with all data and specifications submitted with the application for this permit.
[District Rule 204; 40 CFR 63.6605; 40 CFR 63.6640(a) Table 6]

2. A non-resettable hour meter with a minimum display capability of 9,999 hours shall be installed and maintained on this unit to indicate elapsed engine operating time.
[40 CFR 63.6625(f)]

3. This engine shall be limited to emergency use only, defined as in response to a fire or when commercially available power has been interrupted. In addition, this unit shall be operated no more than 100 hours per year for testing and maintenance, excluding compliance source testing. Time used for source testing will not be counted toward the 100 hour per year limit.
[40 CFR 63.6640(f)]

4. The owner/operator shall maintain an operations log for this equipment current and on-site (or at a central location) for a minimum of five (5) years, and this log shall be provided to District, State and Federal personnel upon request. The log shall include, at a minimum, the information specified below:
   (a) Date of each use and duration of each use (in hours, from hour meter);
   (b) Reason for use (testing & maintenance, emergency, emissions /source testing);
   (c) Calendar year operation in terms of fuel consumption (in gallons or total hours); and
   (d) Maintenance performed on this equipment, inclusive of the management practice requirements of condition 7 below.
   [District Rule 204; 40 CFR 70.6(a)(3)(ii)(b); 40 CFR 63.6655]

5. The owner/operator shall minimize the engine's time spent at idle during startup and minimize the engine's startup time to a period needed for appropriate and safe loading of the engine, not to exceed 30 minutes.
   [40 CFR 63.6625(h)]

6. This unit shall not be used to provide power during a voluntary agreed to power outage and/or power reduction initiated under an Interruptible Service Contract (ISC), Demand Response Program (DRP), Load Reduction Program (LRP) and/or similar arrangement(s) with the electrical power supplier.
   [District Rule 204]

7. The owner/operator shall conduct maintenance actions and inspections in accordance with the following schedule. All inspections must occur at least annually regardless of operating hours.
   (a) Change oil and filter every 500 hours of operation or annually, whichever comes first, or use an oil change analysis program to extend oil change frequencies per the requirements in 40 CFR 63.6625(j);
   (b) Inspect spark plugs every 1,000 hours of operation or annually, whichever comes first, and replace as necessary; and
   (c) Inspect all hoses and belts every 500 hours of operation or annually, whichever comes first, and replace as necessary.
   [40 CFR 63.6602; 40 CFR 63.6640(a) Table 2c,]

8. This engine may operate in response to notification of impending rotating outage if the area utility has ordered rotating outages in the area where the engine is located or expects to order such outages at a particular time, the engine is located in the area subject to the rotating outage, the engine is operated no more than 30 minutes prior to the forecasted outage, and the engine is shut down immediately after the utility advises that the outage is no longer imminent or in effect.
   [District Rule 204]

b. E007945 - DIESEL IC ENGINE, EMERGENCY FIRE PUMP (SOUTH RANGE, SEA SITE 1)

EQUIPMENT DESCRIPTION: An uncertified (tier 0) diesel engine manufactured in 1985.

1. This equipment shall be installed, operated and maintained in strict accordance with those recommendations of the manufacturer/supplier and/or sound engineering principles which produce the minimum emissions of contaminants. Unless otherwise noted, this equipment shall also be operated in accordance with all data and specifications submitted with the application for this permit.
[District Rule 204; 40 CFR 63.6640(a) and Table 2c]

2. A non-resettable hour meter with a minimum display capability of 9,999 hours shall be installed and maintained on this unit to indicate elapsed engine operating time.
[40 CFR 63.6625(f); 17 CCR 93115.10(d)]

3. This equipment shall only be fired on diesel fuel that meets the following requirements, or an alternative fuel approved by the CA ATCM for Stationary CI Engines:
   (a) Ultra-low sulfur concentration of 0.0015% (15 ppm) or less, on a weight per weight basis; and,
   (b) A cetane index or aromatic content, as follows:
      (1) A minimum cetane index of 40; or,
      (2) A maximum aromatic content of 35 volume percent.

   STATE AND DISTRICT ENFORCEABLE ONLY
   [17 CCR 93115.5(a)]
   Note: Use of CARB certified ULSD fuel satisfies the above requirements.

4. This unit shall be limited to emergency use only, defined as in response to a fire or when commercially available power has been interrupted. In addition, this unit shall be operated no more than 20 hours per rolling consecutive twelve-month period for testing and maintenance, excluding compliance source testing. Time required for source testing will not be counted toward the 20 hour rolling annual limit. Additional maintenance and testing time may be authorized if it is required by NFPA-25 ("Water-Based Fire Protection Systems Handbook, current edition) and approved in advance by the District.
STATE AND DISTRICT ENFORCEABLE ONLY
[17 CCR 93115.6(b)]

5. This unit shall be limited to emergency use only, as defined in 40 CFR 63.6640(f). In addition, this unit shall be operated no more than 100 hours per rolling consecutive twelve-month period for testing and maintenance, including compliance source testing.
[District Rule 204; 40 CFR 63.6640(f)]

6. The owner/operator shall maintain an operations log for this unit current and on-site (or at a central location) for a minimum of five (5) years, and this log shall be provided to

District, State and Federal personnel upon request. The log shall include, at a minimum, the information specified below:

(a) Date of each use and duration of each use (in hours per hour meter);
(b) Reason for use (testing & maintenance, emergency, required emission testing);
(c) Rolling consecutive twelve-month period operation in terms of fuel consumption (in gallons or total hours);
(d) Records of all required maintenance and inspection actions listed in condition #9 and,
(e) Fuel sulfur concentration (the owner/operator may use the supplier's certification of sulfur content. Such certification may be stored separately from the remainder of the log).

[District Rule 204; 17 CCR 93115.10(f); 40 CFR 63.6655; 40 CFR 70.6(a)(3)(ii)(b)]

7. The owner/operator shall minimize the engine's time spent at idle during startup and minimize the engine's startup time to a period needed for appropriate and safe loading of the engine, not to exceed 30 minutes.
[40 CFR 63.6625(h)]

8. This unit shall not be used to provide power during a voluntarily agreed to power outage and/or power reduction initiated under an Interruptible Service Contract (ISC), Demand Response Program (DRP), Load Reduction Program (LRP) and/or similar arrangement(s) with the electrical power supplier.
[District Rule 204; 17 CCR 93115.6(c)(2); 40 CFR 63.6640(f)]

9. The owner/operator shall conduct inspections in accordance with the following schedule. All inspections must occur at least annually regardless of operating hours.
(a) Change oil and filter every 500 hours of operation or annually, whichever comes first, or use an oil change analysis program to extend oil change frequencies per the requirements in 40 CFR 63.6625(i);
(b) Inspect air cleaner every 1,000 hours of operation or annually, whichever comes first, and replace as necessary; and
(c) Inspect all hoses and belts every 500 hours of operation or annually, whichever comes first, and replace as necessary.
[40 CFR 63.6630(a), Table 2c; 40 CFR 63.6640(b); 40 CFR 63.6650(d)]

10. This engine may operate in response to notification of impending rotating outage if the area utility has ordered rotating outages in the area where the engine is located or expects to order such outages at a particular time, the engine is located in the area subject to the rotating outage, the engine is operated no more than 30 minutes prior to the forecasted outage, and the engine is shut down immediately after the utility advises that the outage is no longer imminent or in effect.
[District Rule 204; 17 CCR 93115.6(b)]

11. This engine is subject to the requirements of the Airborne Toxic Control Measure (ATCM) for Stationary Compression Ignition Engines Title 17 CCR 93115 and 40 CFR 63 Subpart ZZZZ (RICE NESHAPs).

[District Rule 204]

c. E007948 - DIESEL IC ENGINE, EMERGENCY GENERATOR (SOUTH RANGE, SEA SITE 3)

EQUIPMENT DESCRIPTION: A certified Tier 1 diesel engine, EPA Family TBD, manufactured in 1998 with no exhaust after-treatment device installed.

SEE THE FOLLOWING CONDITIONS FOR E008555, WHICH ARE IDENTICAL TO THIS PERMIT.

d. E008521 - DIESEL IC ENGINE, EMERGENCY GENERATOR (BLDG 14050)

EQUIPMENT DESCRIPTION: A certified Tier 1 diesel engine, EPA Family 1CEXL0505ACD, manufactured in 2001 with no exhaust after-treatment device installed.

SEE THE FOLLOWING CONDITIONS FOR E008555, WHICH ARE IDENTICAL TO THIS PERMIT

e. E008555 - DIESEL IC ENGINE, EMERGENCY GENERATOR (BLDG 01111)

EQUIPMENT DESCRIPTION: A certified Tier 1 diesel engine, EPA Family 2CEXL0505ACD, manufactured in 2002 with no exhaust after-treatment device installed.

1. This equipment shall be installed, operated and maintained in strict accordance with those recommendations of the manufacturer/supplier and/or sound engineering principles which produce the minimum emissions of contaminants. Unless otherwise noted, this equipment shall also be operated in accordance with all data and specifications submitted with the application for this permit.
   [District Rule 204; 40 CFR 63.6640(a) and Table 2c]

2. A non-resettable hour meter with a minimum display capability of 9,999 hours shall be installed and maintained on this unit to indicate elapsed engine operating time.
   [40 CFR 63.6625(f); 17 CCR 93115.10(d)]

3. This equipment shall only be fired on diesel fuel that meets the following requirements, or an alternative fuel approved by the CA ATCM for Stationary CI Engines:
   (a) Ultra-low sulfur concentration of 0.0015% (15 ppm) or less, on a weight per weight basis; and,
   (b) A cetane index or aromatic content, as follows:
      (1) A minimum cetane index of 40; or,

(2) A maximum aromatic content of 35 volume percent.
STATE AND DISTRICT ENFORCEABLE ONLY
[17 CCR 93115.5(a)]
Note: Use of CARB certified ULSD fuel satisfies the above requirements.

4. This unit shall be limited to emergency use only, defined as in response to a fire or when commercially available power has been interrupted. In addition, this unit shall be operated no more than 30 hours per rolling consecutive twelve-month period for testing and maintenance, excluding compliance source testing. Time required for source testing will not be counted toward the 30-hour rolling annual limit.
STATE AND DISTRICT ENFORCEABLE ONLY
[District Rule 204; 17 CCR 93115.6(b)]

5. This unit shall be limited to emergency use only, as defined in 40 CFR 63.6640(f). In addition, this unit shall be operated no more than 100 hours per rolling consecutive twelve-month period for testing and maintenance, including compliance source testing.
[District Rule 204; 40 CFR 63.6640(f)]

6. The owner/operator shall maintain an operations log for this unit current and on-site (or at a central location) for a minimum of five (5) years, and this log shall be provided to District, State and Federal personnel upon request. The log shall include, at a minimum, the information specified below:
(a) Date of each use and duration of each use (in hours per hour meter);
(b) Reason for use (testing & maintenance, emergency, required emission testing);
(c) Rolling consecutive twelve-month period operation in terms of fuel consumption (in gallons or total hours);
(d) Records of all required maintenance and inspection actions listed in condition #9 and,
(e) Fuel sulfur concentration (the owner/operator may use the supplier's certification of sulfur content. Such certification may be stored separately from the remainder of the log).
[District Rule 204; 17 CCR 93115.10(f); 40 CFR 63.6655; 40 CFR 70.6(a)(3)(ii)(b)]

7. The owner/operator shall minimize the engine's time spent at idle during startup and minimize the engine's startup time to a period needed for appropriate and safe loading of the engine, not to exceed 30 minutes.
[40 CFR 63.6625(h)]

8. This unit shall not be used to provide power during a voluntarily agreed to power outage and/or power reduction initiated under an Interruptible Service Contract (ISC), Demand Response Program (DRP), Load Reduction Program (LRP) and/or similar arrangement(s) with the electrical power supplier.
[District Rule 204; 17 CCR 93115.6(c)(2); 40 CFR 63.6640(f)]

9. The owner/operator shall conduct inspections in accordance with the following schedule. All inspections must occur at least annually regardless of operating hours.

(a) Change oil and filter every 500 hours of operation or annually, whichever comes first, or use an oil change analysis program to extend oil change frequencies per the requirements in 40 CFR 63.6625(i);
(b) Inspect air cleaner every 1,000 hours of operation or annually, whichever comes first, and replace as necessary; and
(c) Inspect all hoses and belts every 500 hours of operation or annually, whichever comes first, and replace as necessary.
[40 CFR 63.6630(a), Table 2c; 40 CFR 63.6640(b); 40 CFR 63.6650(d)]

10. This engine may operate in response to notification of impending rotating outage if the area utility has ordered rotating outages in the area where the engine is located or expects to order such outages at a particular time, the engine is located in the area subject to the rotating outage, the engine is operated no more than 30 minutes prior to the forecasted outage, and the engine is shut down immediately after the utility advises that the outage is no longer imminent or in effect.
[District Rule 204; 17 CCR 93115.6(b)]

11. This engine is subject to the requirements of the Airborne Toxic Control Measure (ATCM) for Stationary Compression Ignition Engines Title 17 CCR 93115 and 40 CFR 63 Subpart ZZZZ (RICE NESHAPs).
[District Rule 204]

f. E009973 - DIESEL IC ENGINE, EMERGENCY GENERATOR (SOUTH RANGE, OPS CENTER, BLDG 70049)

EQUIPMENT DESCRIPTION: A certified Tier 3 diesel engine, EPA Family 7CEXL066.1AAH, manufactured in 2007 with no exhaust after-treatment device installed. Exhaust flow is 2345 ACFM at 1011 degrees Fahrenheit.

SEE THE FOLLOWING CONDITIONS FOR E010633, WHICH ARE IDENTICAL TO THIS PERMIT

g. E010633 – DIESEL IC ENGINE, EMERGENCY GENERATOR (RANDSBURG WASH, CENTRAL SITE)

EQUIPMENT DESCRIPTION: A certified Tier III diesel engine, EPA Family 9JDXL06.8101 and ARB Executive Order U-R-004-0361, manufactured in 2009 with no exhaust after-treatment device installed. Exhaust flow is 996 ACFM at 948 degrees Fahrenheit:

1. This equipment shall be installed, operated and maintained in strict accordance with those recommendations of the manufacturer/supplier and/or sound engineering principles which produce the minimum emissions of contaminants. Unless otherwise noted, this equipment

shall also be operated in accordance with all data and specifications submitted with the application for this permit.
[District Rule 204; 40 CFR 60.4211]

2. A non-resettable hour meter with a minimum display capability of 9,999 hours shall be installed and maintained on this unit to indicate elapsed engine operating time.
[17 CCR 93115.10(d); 40 CFR 60.4209]

3. The owner/operator must purchase diesel fuel for this engine that meets the requirements of 40 CFR 80.510(b) for nonroad diesel fuel, which are as follows:
   (a) A sulfur concentration of 0.0015% (15 ppm) or less, on a weight per weight basis; and,
   (b) A cetane index or aromatic content, as follows:
      (1) A minimum cetane index of 40; or,
      (2) A maximum aromatic content of 35 volume percent.

   [40 CFR 60.4207(b)]
   Note: Use of CARB certified ULSD fuel satisfies the above requirements.

4. This unit shall be limited to emergency use only, defined as in response to a fire or when commercially available power has been interrupted. In addition, this unit shall be operated no more than 50 hours per rolling consecutive twelve-month period for testing and maintenance, excluding compliance source testing. Time required for source testing will not be counted toward the 50 hour rolling annual limit.
   STATE AND DISTRICT ENFORCEABLE ONLY
   [District Rule 204; 17 CCR 93115.6(b)]

5. This unit shall be limited to emergency use only, as defined in 40 CFR 60.4219. In addition, this unit shall be operated no more than 100 hours per rolling consecutive twelve-month period for testing and maintenance, including compliance source testing.
   [District Rule 204; 40 CFR 60.4211(f)]

6. The owner/operator shall maintain an operations log for this unit current and on-site (or at a central location) for a minimum of five (5) years, and this log shall be provided to District, State and Federal personnel upon request. The log shall include, at a minimum, the information specified below:
   (a) Date of each use and duration of each use (in hours per hour meter);
   (b) Reason for use (testing & maintenance, emergency, required emission testing);
   (c) Rolling consecutive twelve-month period operation in terms of fuel consumption (in gallons or total hours);
   (d) Records of all maintenance and inspections; and,
   (e) Fuel sulfur concentration (the owner/operator may use the supplier's certification of sulfur content. Such certification may be stored separately from the remainder of the log).

   [District Rule 204; 17 CCR 93115.10(f); 40 CFR 60.4214; 40 CFR 70.6(a)(3)(ii)(b),]

7. This unit shall not be used to provide power during a voluntarily agreed to power outage and/or power reduction initiated under an Interruptible Service Contract (ISC); Demand Response Program (DRP); Load Reduction Program (LRP) and/or similar arrangement(s) with the electrical power supplier.
[District Rule 204; 17 CCR 93115.6(a); 40 CFR 60.4211 and 60.4219,]

8. This engine may operate in response to notification of impending rotating outage if the area utility has ordered rotating outages in the area where the engine is located or expects to order such outages at a particular time, the engine is located in the area subject to the rotating outage, the engine is operated no more than 30 minutes prior to the forecasted outage, and the engine is shut down immediately after the utility advises that the outage is no longer imminent or in effect.
[District Rule 204; 17 CCR 93115.6(a)]

9. This engine is subject to the requirements of Title 17 CCR 93115, the Airborne Toxic Control Measure (ATCM) for Stationary Compression Ignition Engines, and 40 CFR 60 Subpart IIII, Standards of Performance for Stationary Compression Ignition Internal Combustion Engines.
[District Rule 204]

h. E012364 - DIESEL IC ENGINE, EMERGENCY FIRE PUMP (~~LTC~~LTF)

EQUIPMENT DESCRIPTION: A certified Tier 4i diesel engine, USEPA Family FJDXL04.5214, manufactured in 2015 by John Deere with no exhaust after-treatment device installed.

1. This equipment shall be installed, operated and maintained in strict accordance with those recommendations of the manufacturer/supplier and/or sound engineering principles which produce the minimum emissions of contaminants. Unless otherwise noted, this equipment shall also be operated in accordance with all data and specifications submitted with the application for this permit.
[District Rule 204; 40 CFR 60.4211]

2. A non-resettable hour meter with a minimum display capability of 9,999 hours shall be installed and maintained on this unit to indicate elapsed engine operating time.
[17 CCR 93115.10(d); 40 CFR 60.4209]

3. The owner/operator must purchase diesel fuel for this engine that meets the requirements of 40 CFR 80.510(b) for nonroad diesel fuel, which are as follows:
    (a) A sulfur concentration of 0.0015% (15 ppm) or less, on a weight per weight basis; and,
    (b) A cetane index or aromatic content, as follows:
        (1) A minimum cetane index of 40; or,
        (2) A maximum aromatic content of 35 volume percent.

[40 CFR 60.4207(b)]
Note: Use of CARB certified ULSD fuel satisfies the above requirements.

4. This unit shall be limited to emergency use only, defined as in response to a fire or when commercially available power has been interrupted. In addition, this unit shall be operated no more than 50 hours per rolling consecutive twelve-month period for testing and maintenance, unless NFPA (current edition) authorizes additional time: If the 50 hour limit is exceeded due to NFPA requirements, the owner/operator is to have the authorizing section of NFPA 25 available for review at all times. Time required for source testing will not be counted toward the 50 hour rolling annual limit.
STATE AND DISTRICT ENFORCEABLE ONLY
[District Rule 204; 17 CCR 93115.6(b)]

5. This unit shall be limited to emergency use only, as defined in 40 CFR 60.4219. In addition, this unit shall be operated no more than 100 hours per rolling consecutive twelve-month period for testing and maintenance, including compliance source testing.
[District Rule 204; 40 CFR 60.4211(f)]

6. The owner/operator shall maintain an operations log for this unit current and on-site (or at a central location) for a minimum of five (5) years, and this log shall be provided to District, State and Federal personnel upon request. The log shall include, at a minimum, the information specified below:
   (a) Date of each use and duration of each use (in hours per hour meter);
   (b) Reason for use (testing & maintenance, emergency, required emission testing);
   (c) Rolling consecutive twelve-month period operation in terms of fuel consumption (in gallons or total hours);
   (d) Records of all maintenance and inspections; and,
   (e) Fuel sulfur concentration (the owner/operator may use the supplier's certification of sulfur content. Such certification may be stored separately from the remainder of the log).
   [District Rule 204; 17 CCR 93115.10(f); 40 CFR 60.4214; 40 CFR 70.6(a)(3)(ii)(b),]

7. This unit shall not be used to provide power during a voluntarily agreed to power outage and/or power reduction initiated under an Interruptible Service Contract (ISC); Demand Response Program (DRP); Load Reduction Program (LRP) and/or similar arrangement(s) with the electrical power supplier.
[District Rule 204; 17 CCR 93115.6(a); 40 CFR 60.4211 and 60.4219,]

8. This engine may operate in response to notification of impending rotating outage if the area utility has ordered rotating outages in the area where the engine is located or expects to order such outages at a particular time, the engine is located in the area subject to the rotating outage, the engine is operated no more than 30 minutes prior to the forecasted outage, and the engine is shut down immediately after the utility advises that the outage is no longer imminent or in effect.
[District Rule 204; 17 CCR 93115.6(a)]

9. This engine is subject to the requirements of Title 17 CCR 93115, the Airborne Toxic Control Measure (ATCM) for Stationary Compression Ignition Engines, and 40 CFR 60 Subpart IIII, Standards of Performance for Stationary Compression Ignition Internal Combustion Engines.
[District Rule 204]

i. E012400 - LPG/PROPANE IC ENGINE, EMERGENCY GENERATOR (T-PAD SITE)

EQUIPMENT DESCRIPTION: Year of Manufacturer 2009.

1. This stationary, spark-ignited, internal combustion engine, air-fuel ratio controller, and control device (three-way catalyst) shall be installed, operated and maintained in strict accordance with those recommendations of the manufacturer/supplier and/or sound engineering principles which produce the minimum emissions of contaminants.
[40 CFR 60.4233(e); 60.4234; 60.4243(a),(d), and (g) - Subpart JJJJ - NSPS for Stationary Spark Ignition ICE]

2. A non-resettable four-digit (9,999) hour timer shall be installed and maintained on this unit to indicate elapsed engine operating time.
[District Rule 204]

3. This unit shall only be fired on Commercial Grade LPG/Propane fuel.
[District Rules 431 and 1303]

4. The owner/operator shall maintain an operations log for this unit current and on-site (or at a central location) for a minimum of five (5) years, and this log shall be provided to District, State and Federal personnel upon request. The log shall include, at a minimum, the information specified below:
   (a) Date of each use and duration of each use (in hours);
   (b) Reason for each use (testing & maintenance, emergency, emission testing, etc.);
   (c) Monthly and calendar year operation in terms of total hours;
   (d) Records of all maintenance and repair actions performed on the engine, the AFRC, and the three-way catalyst; and,
   (e) Documentation from the engine manufacturer that the engine is certified to meet the emission standards and information as required in 40 CFR 1048.
[District Rule 1302; 40 CFR 60.4245; 40 CFR 1048]

5. This engine may operate in response to notification of impending rotating outage if the area utility has ordered rotating outages in the area where the engine is located or expects to order such outages at a particular time, the engine is located in the area subject to the rotating outage, the engine is operated no more than 30 minutes prior to the forecasted outage, and the engine is shut down immediately after the utility advises that the outage is no longer imminent or in effect.

[District Rule 1302]

6. This unit shall not be used to provide power during a voluntarily agreed to power outage and/or power reduction initiated under an Interruptible Service Contract (ISC), Demand Response Program (DRP), Load Reduction Program (LRP) and/or similar arrangement(s) with the electrical power supplier.
[40 CFR 60.4243(d); 60.4248]

7. This engine is subject to the requirements of the New Source Performance Standards (NSPS) for Stationary Spark Ignition IC Engines (40 CFR 60, Subpart JJJJ).
[District Rule 1302; 40 CFR 60, Subpart JJJJ]

9. This engine shall be limited to emergency use only, defined as in response to a fire or when commercially available power has been interrupted. In addition, this unit shall be operated no more than 100 hours per year for testing and maintenance, excluding compliance source testing. Time used for source testing will not be counted toward the 100 hour per year limit.
[40 CFR 63.6640(f)]

j. E012799 - DIESEL IC ENGINE, RELOCATABLE EMERGENCY GENERATORS (SOUTH RANGE)

EQUIPMENT DESCRIPTION: A certified Tier 4f diesel engine, USEPA Family GPKXL07.0BN1, equipped with factory installed exhaust after-treatment devices. Exhaust flow is approximately 364 acfm at 819 degrees Fahrenheit:

SEE THE FOLLOWING CONDITIONS FOR E012800, WHICH ARE IDENTICAL TO THIS PERMIT

k. E012800 - DIESEL IC ENGINE, RELOCATABLE EMERGENCY GENERATORS (SOUTH RANGE)

EQUIPMENT DESCRIPTION: An EPA certified Tier 4 Final Diesel engine, USEPA Family FPKXL07.0BN1, manufactured in 2015 and equipped with Factory installed emission control devices. Exhaust flow is 742 ACFM at 829 degrees Fahrenheit:

1. This certified stationary compression-ignited internal combustion engine and its associated emission control systems shall be installed, operated and maintained in strict accordance with those recommendations of the manufacturer/supplier and/or sound engineering principles which produce the minimum emissions of air contaminants. Unless otherwise noted, this equipment shall also be operated in accordance with all data and specifications submitted with the application for this permit.
[District Rule 1160; 40 CFR 60.4211(a)]

2. This engine shall not be operated unless all of the following emission control systems are properly functioning:
   (a) Diesel Oxidation Catalyst
   (b) Electronic Control Module
   (c) Exhaust Gas Recirculation
   (d) Continuous Trap Oxidizer
   (e) SCR-Urea
   (f) Ammonia Oxidation Catalyst

   Furthermore, no changes shall be made to any of the above systems unless done so by a factory certified technician.
   [District Rules 1302 and 1320; 40 CFR 60.4211]

3. The owner/operator must purchase diesel fuel for this engine that meets the requirements of 40 CFR 80.510(b) for nonroad diesel fuel, which are as follows:
   (a) A sulfur concentration of 0.0015% (15 ppm) or less, on a weight per weight basis; and,
   (b) A cetane index or aromatic content, as follows:
      (1) A minimum cetane index of 40; or,
      (2) A maximum aromatic content of 35 volume percent.

   [40 CFR 60.4207(b)]
   Note: Use of CARB certified ULSD fuel satisfies the above requirements.

4. The owner/operator shall maintain an operations log for this engine current and on-site (or at a central location) for a minimum of five (5) years, and this log shall be provided to District, State and Federal personnel upon request. The log shall include, at a minimum, the following information:
   (a) Date of each use and duration of each use (in hours);
   (b) Reason for each use (testing & maintenance, emergency, emission testing, etc.);
   (c) Monthly and calendar year operation in terms of total hours; and
   (d) Records of all maintenance and repair actions performed on the engine and all emission control systems listed in Condition 2 above

   [District Rule 1302; 40 CFR 60.4245; 40 CFR 1048]

5. This engine may operate in response to notification of impending rotating outage if the area utility has ordered rotating outages in the area where the engine is located or expects to order such outages at a particular time, the engine is located in the area subject to the rotating outage, the engine is operated no more than 30 minutes prior to the forecasted outage, and the engine is shut down immediately after the utility advises that the outage is no longer imminent or in effect.
   [District Rule 1302]

6. This unit shall not be used to provide power during a voluntarily agreed to power outage and/or power reduction initiated under an Interruptible Service Contract (ISC); Demand Response Program (DRP); Load Reduction Program (LRP) and/or similar arrangement(s) with the electrical power supplier.

[40 CFR 60.4243(d); 40 CFR 60.4248]

7. This engine is subject to the requirements of the New Source Performance Standards (NSPS) for Stationary Spark Ignition IC Engines (40 CFR 60, Subpart JJJJ).
[District Rule 1302; 40 CFR 60, Subpart JJJJ]

8. This engine meets all emission limits of 40 CFR 60 subpart IIII and 17 CCR 93115 for use as a stationary emergency engine and therefore may be used to provide intermittent emergency power to stationary test sites throughout the South Range area of operations and relocated to protected locations when not in use to prevent exposure to severe weather and damage from stray projectiles.
[District Rule 204; 17 CCR 93115; 40 CFR 60 Subpart IIII]

9. This unit shall be limited to emergency use only, as defined in 40 CFR 63.6640(f). In addition, this unit shall be operated no more than 25 hours per rolling consecutive twelve-month period for testing and maintenance, including compliance source testing.
[District Rule 204; District Rule 1302]

l. E012793 - DIESEL IC ENGINE, RELOCATABLE EMERGENCY GENERATORS (SOUTH RANGE)

EQUIPMENT DESCRIPTION: An EPA certified Tier 4 Final Diesel engine, USEPA Family FPKXL04.4MU1, manufactured in 2015 and equipped with Factory installed emission control devices. Exhaust flow is 742 ACFM at 829 degrees Fahrenheit:

SEE THE FOLLOWING CONDITIONS FOR E012802, WHICH ARE IDENTICAL TO THIS PERMIT

m. E012801 - DIESEL IC ENGINE, RELOCATABLE EMERGENCY GENERATORS (SOUTH RANGE)

EQUIPMENT DESCRIPTION: An EPA certified Tier 4 Final Diesel engine, USEPA Family FPKXL04.4MU1, manufactured in 2015 and equipped with Factory installed emission control devices. Exhaust flow is 742 acfm at 829 degrees Fahrenheit:

SEE THE FOLLOWING CONDITIONS FOR E012802, WHICH ARE IDENTICAL TO THIS PERMIT

n. E012802 - DIESEL IC ENGINE, RELOCATABLE EMERGENCY GENERATORS (SOUTH RANGE)

EQUIPMENT DESCRIPTION: An EPA certified Tier 4 Final Diesel engine, USEPA Family FPKXL04.4MU1, manufactured in 2015 and equipped with Factory installed emission control devices. Exhaust flow is 742 acfm at 829 degrees Fahrenheit:

1. This certified stationary compression-ignited internal combustion engine and its associated emission control systems shall be installed, operated and maintained in strict accordance with those recommendations of the manufacturer/supplier and/or sound engineering principles which produce the minimum emissions of air contaminants. Unless otherwise noted, this equipment shall also be operated in accordance with all data and specifications submitted with the application for this permit.
[District Rule 1160; 40 CFR 60.4211(a)]

2. This engine shall not be operated unless all of the following emission control systems are properly functioning:
   (a) Diesel Oxidation Catalyst
   (b) Electronic Control Module
   (c) Exhaust Gas Recirculation
   (d) SCR-Urea
   (e) Ammonia Oxidation Catalyst

   Furthermore, no changes shall be made to any of the above systems unless done so by a factory certified technician.
   [District Rules 1302 and 1320; 40 CFR 60.4211]

3. The owner/operator must purchase diesel fuel for this engine that meets the requirements of 40 CFR 80.510(b) for nonroad diesel fuel, which are as follows:
   (a) A sulfur concentration of 0.0015% (15 ppm) or less, on a weight per weight basis; and,
   (b) A cetane index or aromatic content, as follows:
      (1) A minimum cetane index of 40; or,
      (2) A maximum aromatic content of 35 volume percent.

   [40 CFR 60.4207(b)]
   Note: Use of CARB certified ULSD fuel satisfies the above requirements.

4. The owner/operator shall maintain an operations log for this engine current and on-site (or at a central location) for a minimum of five (5) years, and this log shall be provided to District, State and Federal personnel upon request. The log shall include, at a minimum, the following information:
   (a) Date of each use and duration of each use (in hours);
   (b) Reason for each use (testing & maintenance, emergency, emission testing, etc.);
   (c) Monthly and calendar year operation in terms of total hours; and
   (d) Records of all maintenance and repair actions performed on the engine and all emission control systems listed in Condition 2 above

   [District Rule 1302; 40 CFR 60.4245; 40 CFR 1048]

5. This engine may operate in response to notification of impending rotating outage if the area utility has ordered rotating outages in the area where the engine is located or expects to order such outages at a particular time, the engine is located in the area subject to the rotating outage, the engine is operated no more than 30 minutes prior to the forecasted

outage, and the engine is shut down immediately after the utility advises that the outage is no longer imminent or in effect.
[District Rule 1302]

6. This unit shall not be used to provide power during a voluntarily agreed to power outage and/or power reduction initiated under an Interruptible Service Contract (ISC); Demand Response Program (DRP); Load Reduction Program (LRP) and/or similar arrangement(s) with the electrical power supplier.
[40 CFR 60.4243(d); 40 CFR 60.4248]

7. This engine is subject to the requirements of the New Source Performance Standards (NSPS) for Stationary Spark Ignition IC Engines (40 CFR 60, Subpart JJJJ).
[District Rule 1302; 40 CFR 60, Subpart JJJJ]

8. This engine meets all emission limits of 40 CFR 60 subpart IIII and 17 CCR 93115 for use as a stationary emergency engine and therefore may be used to provide intermittent emergency power to stationary test sites throughout the South Range area of operations and relocated to protected locations when not in use to prevent exposure to severe weather and damage from stray projectiles.
[District Rule 204; 17 CCR 93115; 40 CFR 60 Subpart IIII]

9. This unit shall be limited to emergency use only, as defined in 40 CFR 63.6640(f). In addition, this unit shall be operated no more than 25 hours per rolling consecutive twelve-month period for testing and maintenance, including compliance source testing.
[District Rule 204; District Rule 1302]

o. E014860 - DIESEL IC ENGINE, EMERGENCY GENERATOR

EQUIPMENT DESCRIPTION: A certified Tier 3 diesel engine, EPA Family LJDXL06.8120, manufactured in 2020 with no exhaust after-treatment device installed. Exhaust flow is 1197 ACFM at 950 degrees Fahrenheit.

One John Deere, diesel fired internal combustion engine Model No. 6068HF285K and Serial No. TBD, Turbo Charged, After Cooled, Four Stroke Lean Burn, Compression Ignited, producing 237 bhp with 6 cylinders at 1,800 rpm while consuming a maximum of 11.7 gal/hr. This equipment powers a Kohler Generator Model No. 150REOZJF and Serial No. TBD, rated at 177 kW.

SEE THE FOLLOWING CONDITIONS FOR E014869, WHICH ARE IDENTICAL TO THIS PERMIT

p. E014861 - DIESEL IC ENGINE, EMERGENCY GENERATOR

EQUIPMENT DESCRIPTION: A certified Tier 3 diesel engine, EPA Family LJDXL06.8120, manufactured in 2020 with no exhaust after-treatment device installed. Exhaust flow is ,1197 ACFM at 950 degrees Fahrenheit.

One John Deere, diesel fired internal combustion engine Model No. 6068HF285K and Serial No. TBD, Turbo Charged, After Cooled, Four Stroke Lean Burn, Compression Ignited, producing 237 bhp with 6 cylinders at 1,800 rpm while consuming a maximum of 11.7 gal/hr. This equipment powers a Kohler Generator Model No. 150REOZJF and Serial No. TBD, rated at 177 kW.

SEE THE FOLLOWING CONDITIONS FOR E014869, WHICH ARE IDENTICAL TO THIS PERMIT

q. E014862 - DIESEL IC ENGINE, EMERGENCY GENERATOR

EQUIPMENT DESCRIPTION: A certified Tier 3 diesel engine, EPA Family LJDXL06.8120, manufactured in 2020 with no exhaust after-treatment device installed. Exhaust flow is 1,197 ACFM at 950 degrees Fahrenheit.

One John Deere, diesel fired internal combustion engine Model No. 6068HF285K and Serial No. TBD, Turbo Charged, After Cooled, Four Stroke Lean Burn, Compression Ignited, producing 237 bhp with 6 cylinders at 1,800 rpm while consuming a maximum of 11.7 gal/hr. This equipment powers a Kohler Generator Model No. 150REOZJF and Serial No. TBD, rated at 177 kW.

SEE THE FOLLOWING CONDITIONS FOR E014869, WHICH ARE IDENTICAL TO THIS PERMIT

r. E014863 - DIESEL IC ENGINE, EMERGENCY GENERATOR

EQUIPMENT DESCRIPTION: A certified Tier 3 diesel engine, EPA Family MFPXL12.9IGR, manufactured in 2021 with no exhaust after-treatment device installed. Exhaust flow is 2,988 ACFM at 1,076 degrees Fahrenheit.

One Iveco-FPT, diesel fired internal combustion engine Model No. F3BE9685A-E and Serial No. TBD, Turbo Charged, After Cooled, Four Stroke Lean Burn, Compression Ignited, producing 530 bhp with 6 cylinders at 1,800 rpm while consuming a maximum of 27.02 gal/hr. This equipment powers a Generac Generator Model No. SD/MD350 and Serial No. TBD, rated at 350 kW.

SEE THE FOLLOWING CONDITIONS FOR E014869, WHICH ARE IDENTICAL TO THIS PERMIT

s. E014864 - DIESEL IC ENGINE, EMERGENCY GENERATOR

EQUIPMENT DESCRIPTION: A certified Tier 2 diesel engine, EPA Family MVPXL16.1ACC, manufactured in 2021 with no exhaust after-treatment device installed. Exhaust flow is 3,249 ACFM at 851 degrees Fahrenheit.

One Volvo, diesel fired internal combustion engine Model No. TAD1641GE-B and Serial No. TBD, Turbo Charged, After Cooled, Four Stroke Lean Burn, Compression Ignited, producing 757

bhp with 6 cylinders at 1,800 rpm while consuming a maximum of 36.8 gal/hr. This equipment powers a Kohler Generator Model No. 500REOZVC and Serial No. TBD, rated at 565 kW.

SEE THE FOLLOWING CONDITIONS FOR E014869, WHICH ARE IDENTICAL TO THIS PERMIT

t. E014866 - DIESEL IC ENGINE, EMERGENCY GENERATOR

EQUIPMENT DESCRIPTION: A certified Tier 3 diesel engine, EPA Family LJDXL06.8120, manufactured in 2020 with no exhaust after-treatment device installed. Exhaust flow is 1,197 ACFM at 950 degrees Fahrenheit.

One John Deere, diesel fired internal combustion engine Model No. 6068HF285K and Serial No. TBD, Turbo Charged, After Cooled, Four Stroke Lean Burn, Compression Ignited, producing 237 bhp with 6 cylinders at 1,800 rpm while consuming a maximum of 11.7 gal/hr. This equipment powers a Kohler Generator Model No. 150REOZJF and Serial No. TBD, rated at 177 kW.

SEE THE FOLLOWING CONDITIONS FOR E014869, WHICH ARE IDENTICAL TO THIS PERMIT

u. E014867 - DIESEL IC ENGINE, EMERGENCY GENERATOR

EQUIPMENT DESCRIPTION: A certified Tier 2 diesel engine, EPA Family NMVXL65.4BBA, manufactured in 2022 with no exhaust after-treatment device installed. Exhaust flow is 15,642 ACFM at 940 degrees Fahrenheit.

One Mitsubishi, diesel fired internal combustion engine Model No. S16R-Y2PTAW-1 and Serial No. TBD, Turbo Charged, After Cooled, Four Stroke, Compression Ignited, producing 2,346 bhp with 6 cylinders at 1,800 rpm while consuming a maximum of 148 gal/hr. This equipment powers a Generac Generator Model No. 1600REOZMD and Serial No. TBD, rated at 1,750 kW.

SEE THE FOLLOWING CONDITIONS FOR E014869, WHICH ARE IDENTICAL TO THIS PERMIT

v. E014868 - DIESEL IC ENGINE, EMERGENCY GENERATOR

EQUIPMENT DESCRIPTION: A certified Tier 2 diesel engine, EPA Family NMVXL65.4BBA, manufactured in 2022 with no exhaust after-treatment device installed. Exhaust flow is 19,209 ACFM at 979 degrees Fahrenheit.

One Mitsubishi, diesel fired internal combustion engine Model No. S16R-Y2PTAW2-1 and Serial No. TBD, Turbo Charged, After Cooled, Four Stroke, Compression Ignited, producing 2,923 bhp with 6 cylinders at 1,800 rpm while consuming a maximum of 160 gal/hr. This equipment powers a Generac Generator Model No. 2000REOZMD and Serial No. TBD, rated at 2,180 kW.

SEE THE FOLLOWING CONDITIONS FOR E014869, WHICH ARE IDENTICAL TO THIS PERMIT

w. E014869 – DIESEL IC ENGINE, EMERGENCY GENERATOR

EQUIPMENT DESCRIPTION: A certified Tier 3 diesel engine, EPA Family NFPXL12.9IGR, manufactured in 2021 with no exhaust after-treatment device installed. Exhaust flow is 2,988 ACFM at 1,076 degrees Fahrenheit.

One Iveco-FPT, diesel fired internal combustion engine Model No. F3BE9685A-E and Serial No. TBD, Turbo Charged, After Cooled, Four Stroke Lean Burn, Compression Ignited, producing 530 bhp with 6 cylinders at 1,800 rpm while consuming a maximum of 27.02 gal/hr. This equipment powers a Generac Generator Model No. SD/MD350 and Serial No. TBD, rated at 350 kW.

1. This equipment shall be installed, operated and maintained in strict accordance with those recommendations of the manufacturer/supplier and/or sound engineering principles which produce the minimum emissions of contaminants. Unless otherwise noted, this equipment shall also be operated in accordance with all data and specifications submitted with the application for this permit.
[District Rule 204; 40 CFR 60.4211]

2. A non-resettable hour meter with a minimum display capability of 9,999 hours shall be installed and maintained on this unit to indicate elapsed engine operating time.
[17 CCR 93115.10(d); 40 CFR 60.4209]

3. The owner/operator must purchase diesel fuel for this engine that meets the requirements of 40 CFR 80.510(b) for nonroad diesel fuel, which are as follows:
   (a) A sulfur concentration of 0.0015% (15 ppm) or less, on a weight per weight basis; and,
   (b) A cetane index or aromatic content, as follows:
      (1) A minimum cetane index of 40; or,
      (2) A maximum aromatic content of 35 volume percent.
[40 CFR 60.4207(b)]
Note: Use of CARB certified ULSD fuel satisfies the above requirements.

4. This unit shall be limited to emergency use only, defined as in response to a fire or when commercially available power has been interrupted. In addition, this unit shall be operated no more than 50 hours per rolling consecutive twelve-month period for testing and maintenance, excluding compliance source testing. Time required for source testing will not be counted toward the 50-hour rolling annual limit.
STATE AND DISTRICT ENFORCEABLE ONLY
[District Rule 204; 17 CCR 93115.6(b)]

5. This unit shall be limited to emergency use only, as defined in 40 CFR 60.4219. In addition, this unit shall be operated no more than 100 hours per rolling consecutive twelve-month period for testing and maintenance, including compliance source testing.
[District Rule 204; 40 CFR 60.4211(f)]

6. The owner/operator shall maintain an operations log for this unit current and on-site (or at a central location) for a minimum of five (5) years, and this log shall be provided to District, State and Federal personnel upon request. The log shall include, at a minimum, the information specified below:
(a) Date of each use and duration of each use (in hours per hour meter);
(b) Reason for use (testing & maintenance, emergency, required emission testing);
(c) Rolling consecutive twelve-month period operation in terms of fuel consumption (in gallons or total hours);
(d) Records of all maintenance and inspections; and,
(e) Fuel sulfur concentration (the owner/operator may use the supplier's certification of sulfur content. Such certification may be stored separately from the remainder of the log).
[District Rule 204; 17 CCR 93115.10(f); 40 CFR 60.4214; 40 CFR 70.6(a)(3)(ii)(b),]

7. This unit shall not be used to provide power during a voluntarily agreed to power outage and/or power reduction initiated under an Interruptible Service Contract (ISC); Demand Response Program (DRP); Load Reduction Program (LRP) and/or similar arrangement(s) with the electrical power supplier.
[District Rule 204; 17 CCR 93115.6(a); 40 CFR 60.4211 and 60.4219,]

8. This engine may operate in response to notification of impending rotating outage if the area utility has ordered rotating outages in the area where the engine is located or expects to order such outages at a particular time, the engine is located in the area subject to the rotating outage, the engine is operated no more than 30 minutes prior to the forecasted outage, and the engine is shut down immediately after the utility advises that the outage is no longer imminent or in effect.
[District Rule 204; 17 CCR 93115.6(a)]

9. This engine is subject to the requirements of Title 17 CCR 93115, the Airborne Toxic Control Measure (ATCM) for Stationary Compression Ignition Engines, and 40 CFR 60 Subpart IIII, Standards of Performance for Stationary Compression Ignition Internal Combustion Engines.
[District Rule 204]

x. E014865 - DIESEL IC ENGINE, EMERGENCY GENERATOR

EQUIPMENT DESCRIPTION: A certified Tier 3 diesel engine, EPA Family NJDXL13.5103, manufactured in 2022 with no exhaust after-treatment device installed. Exhaust flow is 2,649 ACFM at 835 degrees Fahrenheit.

One John Deere, diesel fired internal combustion engine Model No. 613HF485T and Serial No. TBD, Turbo Charged, After Cooled, Four Stroke, Compression Ignited, producing 538 bhp with 6 cylinders at 1,800 rpm while consuming a maximum of 26.5 gal/hr. This equipment powers a Kohler Generator Model No. 350REOZJC and Serial No. TBD, rated at 401 kW.

1. This equipment shall be installed, operated and maintained in strict accordance with those recommendations of the manufacturer/supplier and/or sound engineering principles which produce the minimum emissions of contaminants. Unless otherwise noted, this equipment shall also be operated in accordance with all data and specifications submitted with the application for this permit.
[District Rule 204; 40 CFR 60.4211]

2. A non-resettable hour meter with a minimum display capability of 9,999 hours shall be installed and maintained on this unit to indicate elapsed engine operating time.
[17 CCR 93115.10(d); 40 CFR 60.4209]

3. The owner/operator must purchase diesel fuel for this engine that meets the requirements of 40 CFR 80.510(b) for nonroad diesel fuel, which are as follows:
   (a) A sulfur concentration of 0.0015% (15 ppm) or less, on a weight per weight basis; and,
   (b) A cetane index or aromatic content, as follows:
      (1) A minimum cetane index of 40; or,
      (2) A maximum aromatic content of 35 volume percent.
[40 CFR 60.4207(b)]
Note: Use of CARB certified ULSD fuel satisfies the above requirements.

4. This unit shall be limited to emergency use only, defined as in response to a fire or when commercially available power has been interrupted. In addition, this unit shall be operated no more than 40 hours per rolling consecutive twelve-month period for testing and maintenance, excluding compliance source testing. Time required for source testing will not be counted toward the 40-hour rolling annual limit.
STATE AND DISTRICT ENFORCEABLE ONLY
[District Rule 204; 17 CCR 93115.6(b)]

5. This unit shall be limited to emergency use only, as defined in 40 CFR 60.4219. In addition, this unit shall be operated no more than 100 hours per rolling consecutive twelve-month period for testing and maintenance, including compliance source testing.
[District Rule 204; 40 CFR 60.4211(f)]

6. The owner/operator shall maintain an operations log for this unit current and on-site (or at a central location) for a minimum of five (5) years, and this log shall be provided to District, State and Federal personnel upon request. The log shall include, at a minimum, the information specified below:
   (a) Date of each use and duration of each use (in hours per hour meter);
   (b) Reason for use (testing & maintenance, emergency, required emission testing);

(c) Rolling consecutive twelve-month period operation in terms of fuel consumption (in gallons or total hours);
(d) Records of all maintenance and inspections; and,
(e) Fuel sulfur concentration (the owner/operator may use the supplier's certification of sulfur content. Such certification may be stored separately from the remainder of the log).
[District Rule 204; 17 CCR 93115.10(f); 40 CFR 60.4214; 40 CFR 70.6(a)(3)(ii)(b),]

7. This unit shall not be used to provide power during a voluntarily agreed to power outage and/or power reduction initiated under an Interruptible Service Contract (ISC); Demand Response Program (DRP); Load Reduction Program (LRP) and/or similar arrangement(s) with the electrical power supplier.
[District Rule 204; 17 CCR 93115.6(a); 40 CFR 60.4211 and 60.4219,]

8. This engine may operate in response to notification of impending rotating outage if the area utility has ordered rotating outages in the area where the engine is located or expects to order such outages at a particular time, the engine is located in the area subject to the rotating outage, the engine is operated no more than 30 minutes prior to the forecasted outage, and the engine is shut down immediately after the utility advises that the outage is no longer imminent or in effect.
[District Rule 204; 17 CCR 93115.6(a)]

9. This engine is subject to the requirements of Title 17 CCR 93115, the Airborne Toxic Control Measure (ATCM) for Stationary Compression Ignition Engines, and 40 CFR 60 Subpart IIII, Standards of Performance for Stationary Compression Ignition Internal Combustion Engines.
[District Rule 204]

SEE THE FOLLOWING CONDITIONS FOR E0#####, WHICH ARE IDENTICAL TO THIS PERMIT

G) DRYING OVENS

a. B003139 – OVEN (BLDG 15724)

EQUIPMENT DESCRIPTION: A custom manufactured curing oven measuring 12 feet x 10 feet x 10 feet and steam heated to a maximum temperature of 200 degrees Fahrenheit at ambient pressure. This oven is primarily used for curing explosives, propellants, and inert simulate formulations for Research and Development programs.

SEE THE FOLLOWING CONDITIONS FOR B009083, WHICH ARE IDENTICAL TO THIS PERMIT.

b. B003142 – OVEN (SALT WELLS BLDG 15744

EQUIPMENT DESCRIPTION: A custom manufactured curing oven measuring 18 feet x 6 feet x 4 feet and steam heated to a maximum temperature of 180 degrees Fahrenheit at ambient pressure. This oven is primarily used to dry explosives, propellants, and inert simulate formulations for Research and Development programs.

SEE THE FOLLOWING CONDITIONS FOR B009083, WHICH ARE IDENTICAL TO THIS PERMIT.

c. B003147 – OVEN (SALT WELLS BLDG 15950)

EQUIPMENT DESCRIPTION: A Moore and Hanks manufactured curing oven measuring 10 feet x 9 feet x 9 feet and steam heated to a maximum temperature of 240 degrees Fahrenheit at ambient pressure. This oven is primarily used to spin cure rocket motor liners for Research and Development programs.

SEE THE FOLLOWING CONDITIONS FOR B009083, WHICH ARE IDENTICAL TO THIS PERMIT.

d. B003148 – OVEN (SALT WELLS BLDG 15950)

EQUIPMENT DESCRIPTION: A Grieve Corporation model HC-500 curing oven measuring 5 feet x 5 feet x 5 feet and heated to a maximum temperature of 290 degrees Fahrenheit at ambient pressure by a 30 kW(e) electric heater. This oven is primarily used to cure rocket motor liners for Research and Development programs.

SEE THE FOLLOWING CONDITIONS FOR B009083, WHICH ARE IDENTICAL TO THIS PERMIT.

e. B003159 – OVEN (SALT WELLS BLDG 15590)

EQUIPMENT DESCRIPTION: A custom manufactured curing oven measuring 8 feet x 4.5 feet x 3.5 feet and steam heated to a maximum temperature of 230 degrees Fahrenheit at ambient pressure. This oven is primarily used for heating metal parts, curing explosives, propellants, and inert simulate formulations for Research and Development programs.

SEE THE FOLLOWING CONDITIONS FOR B009083, WHICH ARE IDENTICAL TO THIS PERMIT.

f. B003161 – OVEN (SALT WELLS BLDG 15707, SILVER OVEN)

EQUIPMENT DESCRIPTION: At the SALTWELLS Area, BLDG 15707, 20th Street. This unit is by Spray Booth Systems of Ft. Worth, Texas. Its dimensions are 20 ft by 10 ft by 12 ft high. It is heated by steam (at the rate of 572 lb/h and 50 psi) to produce a maximum temperature of 250 degrees F at atmospheric pressure. Input power of 208 V, 3 phase, 150 A drive the following associated motors: exhaust fan, 30 hp; circulation fan, 2 hp; and steam condensate pump, 1 hp. Compressed air at 30 psi is provided also.

This unit is used to cure propellants, explosives and inert simulate formulations; drying explosives and melting energetic materials from ordnance for R & D.

SEE THE FOLLOWING CONDITIONS FOR B009083, WHICH ARE IDENTICAL TO THIS PERMIT.

g. B003162 – OVEN, ENVIRONMENTAL CHAMBER (SALTWELLS BLDG 15707, BIG BLUE OVEN)

EQUIPMENT DESCRIPTION: A Tenney Engineering Corporation model VIT and serial n umber 12551 curing oven measuring 18 feet x 18 feet x 11 feet and is steam heated to a maximum temperature of 220 degrees Fahrenheit at ambient pressure: Nominal steam flow is 750 lbs per hour at 40 psig. This oven is primarily used to cure propellants for Research and Development programs.

SEE THE FOLLOWING CONDITIONS FOR B009083, WHICH ARE IDENTICAL TO THIS PERMIT.

h. B009083 – OVEN (SALT WELLS, BLDG 15707, JPL OVEN)

EQUIPMENT DESCRIPTION: A 5 ft x 5 ft x 7 ft using an electrically heated (1.5kW heating element) glycol/water mixture circulated through coils inside the oven by a circulating pump. Maximum oven temperature is 185 degrees Fahrenheit at ambient atmospheric pressure. The oven has an internal air circulation fan.

1. This equipment shall be installed, operated and maintained in strict accordance with those recommendations of the manufacturer/supplier and/or sound engineering principles which produce the minimum emissions of contaminants. Unless otherwise noted, this equipment shall also be operated in accordance with all data and specifications submitted with the application for this permit.
   [District Rule 204]

2. This oven shall only be used to heat metal parts and/or to dry, cure, or melt propellants, explosives, casings, and inert simulate formulations for research and development.
   [District Rule 204]

3. The owner/operator shall maintain an operations log for this oven current and on-site (or at a central location) for a minimum of five (5) years, and this log shall be provided to

District, State and Federal personnel upon request. The log shall include, at a minimum, the information specified below:
(a) Date, time, and duration of each use; and
(b) Type and amount of material processed.
[District Rule 204; 40 CFR 70.6(a)(3)(ii)(b)]

H) GINDERS, MILLS AND MIXER

a. B003141 – GRINDER/MILL SYSTEM (SALT WELLS BLDG 15730)

EQUIPMENT DESCRIPTION: A Grinding subsystem made by Micropulvizer Manufacturing Works, model 1SH, capable of processing up to 100 lbs of material per batch, with each batch taking up to three hours to process. Nominal production rate is approximately three batches per two week period; and, a Milling subsystem made by Trost, Inc., model TX-2147 Fluid Energy Mill, capable of processing up to 50 lbs of material per batch, with each batch taking up to one hour to process.

Both subsystems operate in a closed, sealed room and are vented to a dust collector capable of capturing 99.6% of particulate matter of 30 microns aerodynamic diameter and less which is used for safety reasons and not for air pollution control purposes.

The primary purpose of these subsystems is to size energetic materials to 18 or 24 microns for research and development.

1. This equipment shall be installed, operated and maintained in strict accordance with those recommendations of the manufacturer/supplier and/or sound engineering principles which produce the minimum emissions of contaminants. Unless otherwise noted, this equipment shall also be operated in accordance with all data and specifications submitted with the application for this permit.
[District Rule 204]

2. This equipment shall be used to grind explosives or other material for research and development.
[District Rule 204]

3. The owner/operator shall maintain an operations log for this equipment current and on-site (or at a central location) for a minimum of five (5) years, and this log shall be provided to District, State and Federal personnel upon request. The log shall include, at a minimum, the information specified below:
(a) Date, time, and duration of each use; and
(b) Type and amount of material processed.

[District Rule 204; 40 CFR 70.6(a)(3)(ii)(b)]

b. B003145 – GRINDING/MILLING SYSTEM (SALT WELLS BLDG 15754)

EQUIPMENT DESCRIPTION: Mill #1 is a model TBD, Serial Number 96906, with a maximum capacity of 20 gallons, Mill #2 is a model M-785, Serial Number 78M-1186-6, with a maximum capacity of 5 gallons, and Mill #3 is a model M-185, Serial Number 18M-1270-3, with a maximum capacity of 1 gallon.

These fluid mills use phenolic beads with an ethanol/water mixture used as a lubricant to grind explosives or other materials for research and development. Ethanol emissions are controlled by using tight fitting covers on storage containers and controlled processing of waste ethanol.

1. This equipment shall be installed, operated and maintained in strict accordance with those recommendations of the manufacturer/supplier and/or sound engineering principles which produce the minimum emissions of contaminants. Unless otherwise noted, this equipment shall also be operated in accordance with all data and specifications submitted with the application for this permit.
   [District Rule 204]

2. This equipment shall be used to grind explosives or other material for research and development.
   [District Rule 204]

3. The owner/operator shall maintain an operations log for this equipment current and on-site (or at a central location) for a minimum of five (5) years, and this log shall be provided to District, State and Federal personnel upon request. The log shall include, at a minimum, the information specified below:
   (a) Date, time, and duration of each use; and
   (b) Type and amount of material processed.
   [District Rule 204; 40 CFR 70.6(a)(3)(ii)(b)]

4. This system shall operate only one grinding mill at a time.
   [District Rule 204]

c. B003146 – MIXER (SALT WELLS BLDG 15813)

EQUIPMENT DESCRIPTION: A mixer manufactured in 1961 and upgraded in 2019 by Baker Perkins, Inc., model PE-V1600, serial number VM19211, capable of processing up to 150 gallons of material at a time and is equipped with a 40 hp electrical motor.

The primary purpose of this mill is to mix propellants, explosives, and other materials for research and development.

1. This equipment shall be installed, operated and maintained in strict accordance with those recommendations of the manufacturer/supplier and/or sound engineering principles which produce the minimum emissions of contaminants. Unless otherwise noted, this equipment shall also be operated in accordance with all data and specifications submitted with the application for this permit.
   [District Rule 204]

2. This mixer shall only be used to mix propellants, explosives, or inert simulate formulations for research and development.
   [District Rule 204]

3. The owner/operator shall maintain an operations log for this equipment current and on-site (or at a central location) for a minimum of five (5) years, and this log shall be provided to District, State and Federal personnel upon request. The log shall include, at a minimum, the information specified below:
   (a) Date, time, and duration of each use; and
   (b) Type and amount of material processed.
   The logs shall be maintained current, on-site for a minimum of five (5) years, and made available to District personnel upon request.
   [District Rule 204; 40 CFR 70.6(a)(3)(ii)(b)]

d. B003155 – HAMMER MILL (SALT WELLS BLDG 15980)

EQUIPMENT DESCRIPTION: A Micropulverizer model 1SH hammer mill, capable of processing up to 500 lbs of material per batch, with each batch taking approximately one hour to process, though the normal batch size is approximately 250 lbs.

This mill operates in a closed, sealed room and is vented to the equipment described in District permits C003157 or C004010, dust collectors capable of capturing 99.6% of particulate matter of 30 microns aerodynamic diameter and less . The dust collectors are used for safety reasons and not for air pollution control purposes.

The primary purpose of this mill is to size energetic materials down to 6-11 microns for research and development.

1. This equipment shall be installed, operated and maintained in strict accordance with those recommendations of the manufacturer/supplier and/or sound engineering principles which produce the minimum emissions of contaminants. Unless otherwise noted, this equipment shall also be operated in accordance with all data and specifications submitted with the application for this permit.
   [District Rule 204]

2. This equipment shall be used to grind explosives or other material for research and development.
   [District Rule 204]

3. The owner/operator shall maintain an operations log for this equipment current and on-site (or at a central location) for a minimum of five (5) years, and this log shall be provided to District, State and Federal personnel upon request. The log shall include, at a minimum, the information specified below:
   (a) Date, time, and duration of each use; and
   (b) Type and amount of material processed.
   [District Rule 204; 40 CFR 70.6(a)(3)(ii)(b)]

4. This equipment shall not be used unless vented to a properly functioning dust collector described in District permit C003157 or District permit C004010. The dust collectors are used for explosive safety reasons and not for air pollution control purposes.
   [District Rule 204]

5. This system may use either the Raymond model 64059 or the Micropulverizer model 1SH grinder, but in no case shall both units be operated at the same time.
   [District Rule 204]

e. B003156 – MILL, FLUID ENERGY (SALT WELLS BLDG 15980)

EQUIPMENT DESCRIPTION: A milling system made by Fluid energy Aljet, Inc., model 8 Micro-Jet, Serial Number P-11770, capable of processing up to 400 lbs of material at a time.

This mill operates in a closed, sealed room and is vented to the equipment described in District permits C003157 or C004010, dust collectors capable of capturing 99.6% of particulate matter of 30 microns aerodynamic diameter and less. The dust collectors are used for safety reasons and not for air pollution control purposes.

The primary purpose of this mill is to size energetic materials for research and development.

1. This equipment shall be installed, operated and maintained in strict accordance with those recommendations of the manufacturer/supplier and/or sound engineering principles which produce the minimum emissions of contaminants. Unless otherwise noted, this equipment shall also be operated in accordance with all data and specifications submitted with the application for this permit.
   [District Rule 204]

2. This equipment shall be used to grind explosives or other material for research and development.
   [District Rule 204]

3. The owner/operator shall maintain an operations log for this equipment current and on-site (or at a central location) for a minimum of five (5) years, and this log shall be provided to District, State and Federal personnel upon request. The log shall include, at a minimum, the information specified below:
   (a) Date, time, and duration of each use; and
   (b) Type and amount of material processed.

[District Rule 204; 40 CFR 70.6(a)(3)(ii)(b)]

4. This equipment shall not be used unless vented to a properly functioning dust collector described in District permit C003157 or District permit C004010. The dust collectors are used for explosive safety reasons and not for air pollution control purposes.
[District Rule 204]

5. This mill shall not process more than 1,200 pounds in any consecutive seven-day period.
[District Rule 204]

f. B014872 – ASPHALT MACHINE (BLDG TBD)

EQUIPMENT DESCRIPTION: An asphalt machine designed to heat, melt and process asphalt pucks for the purpose of filling warheads for research and development. This machine consists of a 350-gallon main tank, material loading elevator conveyor, pump (rated 1 hp), electric heater (rated 0.1 MM~~b~~Btu), a 60 gallon sealed distribution tank, and interconnected plumbing and piping.

1. This equipment shall be installed, operated and maintained in strict accordance with those recommendations of the manufacturer/supplier and/or sound engineering principles which produce the minimum emissions of contaminants. Unless otherwise noted, this equipment shall also be operated in accordance with all data and specifications submitted with the application for this permit.
[District Rule 204]

2. This asphalt machine shall only be used to heat, melt and process asphalt pucks.
[District Rule 204]

3. This asphalt machine shall be limited to processing no more than 6,448 pounds of asphalt per year.
[District Rules 204 and 1303]

4. The temperature of the material processed or stored in the asphalt mixing and distribution tanks shall not exceed 325 degrees Fahrenheit.
[District Rule 1303]

5. The owner/operator shall maintain an operations log for this equipment current and on-site (or at a central location) for a minimum of five (5) years, and this log shall be provided to District, State and Federal personnel upon request. The log shall include, at a minimum, the information specified below:
(a) Date and amount of asphalt processed, in pounds; and
(b) Monthly amount of asphalt processed, in pounds.
The logs shall be maintained current, on-site for a minimum of five (5) years, and made available to District personnel upon request.
[District Rule 204; 40 CFR 70.6(a)(3)(ii)(b)]

g. B014873 – MIXER (BLDG TBD)

EQUIPMENT DESCRIPTION: A patented B&P two-blade, dual-planetary vertical mixer, model 18PRM, with a working capacity of 300 gallons of material, a total capacity of 450 gallons of material, and is equipped with a 60 hp electrical motor.

The primary purpose of this mill is to mix propellants and explosives for research and development.

1. This equipment shall be installed, operated and maintained in strict accordance with those recommendations of the manufacturer/supplier and/or sound engineering principles which produce the minimum emissions of contaminants. Unless otherwise noted, this equipment shall also be operated in accordance with all data and specifications submitted with the application for this permit.
[District Rule 204]

2. This mixer shall only be used to mix propellants, explosives, or inert simulate formulations for research and development.
[District Rule 204]

3. This mixer shall be limited to producing no more than 100,000 pounds of propellant mixes and no more than 100,000 pounds of explosive mixes.
[District Rules 204 and 1303]

4. The owner/operator shall maintain an operations log for this equipment current and on-site (or at a central location) for a minimum of five (5) years, and this log shall be provided to District, State and Federal personnel upon request. The log shall include, at a minimum, the information specified below:
(a) Date, time, and duration of each use; and
(b) Type of mix and the amount of each mix.
The logs shall be maintained current, on-site for a minimum of five (5) years, and made available to District personnel upon request.
[District Rule 204; 40 CFR 70.6(a)(3)(ii)(b)]

h. C003157 – BAGHOUSE (SALT WELLS, BLDG 15980)

EQUIPMENT DESCRIPTION: A Mikro Pulsaire, model 31855, serial number 79H5223. This unit is rated to be 99.6% efficient and is equipped with cloth socks (fine mesh 1-3 microns). It is exhausted by a 2 hp electric motor, producing an airflow of 1500 ACFM. This baghouse is primarily operated as a safety device to contain potentially explosive materials and only secondarily as an air pollution control device.

SEE THE FOLLOWING CONDITIONS FOR C004010, WHICH ARE IDENTICAL TO THIS PERMIT.

i. C004010 – BAGHOUSE (SALT WELLS, BLDG 15980)

EQUIPMENT DESCRIPTION: A Mikro Pulsaire, model 20-6, serial number 64H440. This unit is rated to be 99.6% efficient and is equipped with cloth socks (fine mesh 1-3 microns). It is exhausted by a 2 hp electric motor, producing an airflow of 1500 ACFM. This baghouse is primarily operated as a safety device to contain potentially explosive materials and only secondarily as an air pollution control device.

1. This equipment shall be installed, operated and maintained in strict accordance with those recommendations of the manufacturer/supplier and/or sound engineering principles which produce the minimum emissions of contaminants. Unless otherwise noted, this equipment shall also be operated in accordance with all data and specifications submitted with the application for this permit.
   [District Rule 204; 40 CFR 63.6640(a)]

2. The baghouse under either valid Permit C003157 or C004010 shall be properly functioning and in operation when either one of the mills described in District Permit B003155 or the mill described in District Permit B003156 are operating.
   [District Rule 204]

3. An operating air lock device shall be fitted in each material discharge port.
   [District Rule 204]

4. The owner/operator shall maintain an operations log for this equipment current and on-site (or at a central location) for a minimum of five (5) years, and this log shall be provided to District, State and Federal personnel upon request. The log shall include, at a minimum, the information specified below:
   (a) Date and duration of each use; and
   (b) Date and description of all filter bag replacements.
   [District Rule 204; 40 CFR 70.6(a)(3)(ii)(b)]

I) NON-RETAIL GASOLINE DISPENSING

a. N003062 – GASOLINE DISPENSING FACILITY, NON-RETAIL (BLDG 11040)

EQUIPMENT DESCRIPTION: A 2,000-gallon aboveground gasoline storage tank equipped with a Husky 5885 Pressure/Vacuum Vent Valve, a coaxial Phase I system and a Balance Phase II system.

FUEL TANKS

Tank No.	Material Stored	Volume (US Gallons)	Above/Underground
1	87U	2,000	Above Ground

DISPENSING EQUIPMENT

Fuel Type	Quantity
87U	1

VAPOR CONTROL EQUIPMENT

Type	Equipment Name	Compliance
PII	BAL	G-60-167
PI	CO	G-60-167

1. The toll-free number that must be conspicuously posted in the gasoline dispensing area in accordance with District Rule 461 is: 1-800-635-4617.
[District Rule 461]

2. The owner/operator shall maintain an operations log for this GDF current and on-site (or at a central location) for a minimum of five (5) years, and this log shall be provided to District, State and Federal personnel upon request. The log shall include, at a minimum, the information specified below:
(a) Date and results of each inspection;
(b) Records of all maintenance and repairs;
(c) Rolling consecutive twelve-month period throughput, in gallons; and
(d) Results of all tests conducted, including failed tests.
[District Rules 204 and 461; 40 CFR 70.6(a)(3)(ii)(b)]

3. Any modifications or changes to the piping or control fittings of the vapor recovery system require prior approval from the District.
[STATE AND DISTRICT ENFORCEABLE ONLY]
[District Rule 461; District Regulation XIII – NSR]

4. Pursuant to Executive Order VR-301, the vapor vent pipes are to be equipped with Husky 5885 pressure relief valves or as otherwise allowed by the executive order.
[STATE AND DISTRICT ENFORCEABLE ONLY]
[District Rule 461; CARB Executive Order VR-301]

5. The owner/operator shall conduct and pass the following tests at least once in every rolling consecutive twelve-month period:
(a) Leak Rate and Cracking Pressure of P/V Valve in accordance with CARB Test Method TP-201.1E;
(b) Liquid Removal Rate in accordance with CARB Test Method TP-201.6, if applicable;
(c) Static Pressure Decay test in accordance with CARB Test Method TP-201.3B (2-inch test); and

(d) Emergency vents and manways shall be leak free when tested at the operating pressure of the tank in accordance with CARB Test Method 21. A leak is defined as a meter concentration of 10,000 ppmv or higher, measured as methane.

(e) If a FFS PV-Zero P/V vent valve is used, tests shall be conducted with the valve remaining in its installed position on the vent line(s) in accordance with PV-Zero section of the applicable ARB-Approved installation, Operation and Maintenance Manual.

The District shall be notified a minimum of 10 days prior to performing the required tests with the final results submitted to the District within 30 days of completion of the tests. Testing notifications and testing results may be sent to VaporRecoveryTesting@mdaqmd.ca.gov.
[STATE AND DISTRICT ENFORCEABLE ONLY]
[District Rules 204 and 461; CARB Executive Order VR-301 IOM]

6. The rolling consecutive twelve-month period throughput shall not exceed 500,000 gallons. Throughput records shall be kept on site and available to District personnel upon request, and annual throughput for the previous calendar year shall be provided to the District not later than the end of February of each year. Before this throughput limit can be increased, the facility may be required to submit a site-specific Health Risk Assessment in accordance with a District approved plan. In addition, public noticing and a comment period may be required.
[STATE AND DISTRICT ENFORCEABLE ONLY]
[District Rules 204, 1302, and 1320]

7. The owner/operator shall operate and maintain this GDF in accordance with CARB Executive Orders G-70-167 and VR-301. The hanging hardware shall be replaced with EVR Phase II certified hardware during all future replacements of such items.
[STATE AND DISTRICT ENFORCEABLE ONLY]
[District Rule 461; CARB Executive Orders G-70-167 and VR-301]

b. N003570 – GASONLINE DISPENSING FACILITY, NON-RETAIL (BLDG 32571)

EQUIPMENT DESCRIPTION: A 6,000 gallon aboveground gasoline storage tank manufactured by SuperVault (MH Series), equipped with a Husky 5885 Pressure/Vacuum Vent Valve, a two-point Phase I system and a Balance Phase II system. The GDF also includes a 1,000 gallon Diesel tank and dispensing equipment.

FUEL TANKS

Tank No.	Material Stored	Volume (US Gallons)	Above/Underground
1	87U	6,000	Above Ground

DISPENSING EQUIPMENT

Fuel Type	Quantity
87U	1
Diesel	1

VAPOR CONTROL EQUIPMENT

Type	Equipment Name	Compliance
PII	HIRT	G-70-139
PI	DP	VR-402

1. The toll-free number that must be conspicuously posted in the gasoline dispensing area in accordance with District Rule 461 is: 1-800-635-4617.
[District Rule 461]

2. The owner/operator shall maintain an operations log for this GDF current and on-site (or at a central location) for a minimum of five (5) years, and this log shall be provided to District, State and Federal personnel upon request. The log shall include, at a minimum, the information specified below:
(a) Date and results of each inspection;
(b) Records of all maintenance and repairs;
(c) Rolling consecutive twelve-month period throughput, in gallons; and
(d) Results of all tests conducted, including failed tests.
[District Rules 204 and 461; 40 CFR 70.6(a)(3)(ii)(b)]

3. Any modifications or changes to the piping or control fittings of the vapor recovery system require prior approval from the District.
[STATE AND DISTRICT ENFORCEABLE ONLY]
[District Rule 461; District Regulation XIII – NSR]

4. Pursuant to Executive Order VR-301, the vapor vent pipes are to be equipped with Husky 5885 pressure relief valves or as otherwise allowed by the executive order.
[STATE AND DISTRICT ENFORCEABLE ONLY]
[District Rule 461; CARB Executive Order VR-301]

5. The owner/operator shall conduct and pass the following tests at least once in every rolling consecutive twelve-month period:
(a) Leak Rate and Cracking Pressure of P/V Valve in accordance with CARB Test Method TP-201.1E;
(b) Liquid Removal Rate in accordance with CARB Test Method TP-201.6, if applicable;
(c) Static Pressure Decay test in accordance with CARB Test Method TP-201.3B (2-inch test); and
(d) Emergency vents and manways shall be leak free when tested at the operating pressure of the tank in accordance with CARB Test Method 21. A leak is defined as a meter concentration of 10,000 ppmv or higher, measured as methane.

(e) If a FFS PV-Zero P/V vent valve is used, tests shall be conducted with the valve remaining in its installed position on the vent line(s) in accordance with PV-Zero section of the applicable ARB-Approved installation, Operation and Maintenance Manual.

The District shall be notified a minimum of 10 days prior to performing the required tests with the final results submitted to the District within 30 days of completion of the tests. Testing notifications and testing results may be sent to VaporRecoveryTesting@mdaqmd.ca.gov.
[STATE AND DISTRICT ENFORCEABLE ONLY]
[District Rules 204 and 461; CARB Executive Order VR-301 IOM]

6. The rolling consecutive twelve-month period throughput shall not exceed 600,000 gallons. Throughput records shall be kept on site and available to District personnel upon request, and annual throughput for the previous calendar year shall be provided to the District not later than the end of February of each year. Before this throughput limit can be increased, the facility may be required to submit a site-specific Health Risk Assessment in accordance with a District approved plan. In addition, public noticing and a comment period may be required.
[STATE AND DISTRICT ENFORCEABLE ONLY]
[District Rules 204, 1302, and 1320]

7. The owner/operator shall operate and maintain this GDF in accordance with CARB Executive Orders G-70-139, VR-301, and VR-402. The hanging hardware shall be replaced with EVR Phase II certified hardware during all future replacements of such items. Pursuant to Executive Order VR-402, Maintenance and repair of system components, including removal and installation of such components in the course of any required tests, shall be performed by Morrison Bros. Certified Technicians or as allowed by Executive Officer.
[STATE AND DISTRICT ENFORCEABLE ONLY]
[District Rule 461; CARB Executive Orders G-70-139, VR-301, and VR-402]

8. Maintenance and repair of EVR Phase I system components, including removal and installation of such components in the course of any required tests and inspections, shall be performed by factory certified technicians.
[STATE AND DISTRICT ENFORCEABLE ONLY]
[District Rule 204; CARB Executive Order VR-402]

9. At least once in any consecutive twelve-month period, the owner/operator shall conduct the following Hirt VCS-200 maintenance:
   (a) Check the vacuum turbine's ability to evacuate the vapor recovery system and maintain proper vacuum. While preparing to dispense fuel to motor vehicles (pump energized, but no dispensing), the system shall achieve a vacuum of at least 0.4 inches of water column. Otherwise, the system shall maintain a vacuum of at least 0.1 inches of water column. The system vacuum shall be verified at the dispensing pump which has the longest vapor path to the thermal oxidizer. This dispensing

pump shall be fitted with a permanent pressure gauge in order to verify system vacuum. If needed, the o/o shall calibrate the Hirt pressure switches in accordance with Hirt instructions to meet the above specifications.

(b) Check pilot light and main burner for proper operation. Upon activation of the vacuum turbine, the pilot solenoid should open and allow raw vapors to exit through the pilot light. Simultaneously, the ignitor module should cause an electric spark to be arced near the pilot light head and ignite the pilot flame. Thereafter, the electric spark should stop and the burner solenoid should open and allow vapors to exit through the burner where they are combusted. After the burner flame is ignited, a thermal switch should close the pilot solenoid and thereby extinguish the pilot flame. The pilot flame should ignite within one to five seconds. (Ignition is readily noted by the termination of the audible "clicking" sound of the electronic ignitor and observation of the pilot flame itself). Delayed ignition or burner cycling on and off indicates needed adjustment or system maintenance.
[STATE AND DISTRICT ENFORCEABLE ONLY]
[District Rule 204; CARB Executive Order G-70-139]

10. At least once in any consecutive twelve-month period, the owner/operator shall demonstrate the vapor recovery systems capacity to clear a liquid blockage by completing the following:
(a) Introduce 100 milliliters of gasoline into the dispensing nozzles vapor return line (through the bellows).
(b) Then dispense 10 gallons of gasoline through the nozzle.
(c) Verify that no more than 2 milliliters of liquid gasoline drains from the nozzle boot after dispensing.
[STATE AND DISTRICT ENFORCEABLE ONLY]
[District Rule 204; CARB Executive Order G-70-139]

11. The Hirt vacuum turbine shall be replaced at least once every ten years since the previous installation/replacement. A record of the most recent replacement shall be kept with the equipment at all times.
[STATE AND DISTRICT ENFORCEABLE ONLY]
[District Rule 204; CARB Executive Order G-70-139]

c. N012461 – GASOLINE DISPENSING FACILITY, NON-RETAIL (RANDSBURG WASH)

EQUIPMENT DESCRIPTION: A 2,000 gallon aboveground gasoline storage tank manufactured by TBD, equipped with a Husky 5885 Pressure/Vacuum Vent Valve, a two-point Phase I system and a Balance Phase II system.

FUEL TANKS

Tank No.	Material Stored	Volume (US Gallons)	Above/Underground
1	87U	2,000	Above Ground

DISPENSING EQUIPMENT

Fuel Type	Quantity
87U	2

VAPOR CONTROL EQUIPMENT

Type	Equipment Name	Compliance
PI	DP	VR-402
PII	BAL	G-70-213-C

1. The toll-free number that must be conspicuously posted in the gasoline dispensing area in accordance with District Rule 461 is: 1-800-635-4617.
[District Rule 461]

2. The owner/operator shall maintain an operations log for this GDF current and on-site (or at a central location) for a minimum of five (5) years, and this log shall be provided to District, State and Federal personnel upon request. The log shall include, at a minimum, the information specified below:
(a) Date and results of each inspection;
(b) Records of all maintenance and repairs;
(c) Rolling consecutive twelve-month period throughput, in gallons; and
(d) Results of all tests conducted, including failed tests.
[District Rules 204 and 461; 40 CFR 70.6(a)(3)(ii)(b)]

3. Any modifications or changes to the piping or control fittings of the vapor recovery system require prior approval from the District.
[STATE AND DISTRICT ENFORCEABLE ONLY]
[District Rule 461; District Regulation XIII – NSR]

4. Pursuant to Executive Order VR-402, the vapor vent pipes are to be equipped with Husky 5885 pressure relief valves or as otherwise allowed by the executive order.
[STATE AND DISTRICT ENFORCEABLE ONLY]
[District Rule 461; CARB Executive Order VR-402]

5. The owner/operator shall conduct and pass the following tests at least once in rolling consecutive twelve month period:
(a) Leak Rate and Cracking Pressure of P/V Valve in accordance with CARB Test Method TP-201.1E;
(b) Liquid Removal Rate in accordance with CARB Test Method TP-201.6, if applicable;
(c) Static Pressure Decay test in accordance with CARB Test Method TP-201.3B (2-inch test); and
(d) Emergency vents and manways shall be leak free when tested at the operating pressure of the tank in accordance with CARB Test Method 21. A leak is defined as a meter concentration of 10,000 ppmv or higher, measured as methane.

(e) If a FFS PV-Zero P/V vent valve is used, tests shall be conducted with the valve remaining in its installed position on the vent line(s) in accordance with PV-Zero section of the applicable ARB-Approved installation, Operation and Maintenance Manual.

The District shall be notified a minimum of 10 days prior to performing the required tests with the final results submitted to the District within 30 days of completion of the tests. Testing notifications and testing results may be sent to VaporRecoveryTesting@mdaqmd.ca.gov.
[STATE AND DISTRICT ENFORCEABLE ONLY]
[District Rules 204 and 461; CARB Executive Order VR-402 IOM]

6. The rolling consecutive twelve-month period throughput shall not exceed 500,000 gallons. Throughput records shall be kept on site and available to District personnel upon request, and annual throughput for the previous calendar year shall be provided to the District not later than the end of February of each year. Before this throughput limit can be increased, the facility may be required to submit a site-specific Health Risk Assessment in accordance with a District approved plan. In addition, public noticing and a comment period may be required.
[STATE AND DISTRICT ENFORCEABLE ONLY]
[District Rules 204, 1302, and 1320]

7. The owner/operator shall operate and maintain this GDF in accordance with CARB Executive Orders G-70-213-C and VR-402. The hanging hardware shall be replaced with EVR Phase II certified hardware during all future replacements of such items. Pursuant to Executive Order VR-402, Maintenance and repair of system components, including removal and installation of such components in the course of any required tests, shall be performed by Morrison Bros. Certified Technicians or as allowed by Executive Officer.
[STATE AND DISTRICT ENFORCEABLE ONLY]
[District Rule 461, CARB Executive Orders G-70-213-C and VR-402]

J) PAINTING/COATING OPERATIONS

a. P005142 – PAINT SPRAY GUN, WEAPONS SURVIVABILITY LAB, PORTABLE HVLP

EQUIPMENT DESCRIPTION: An HVLP paint gun manufactured by SATA, model Mini-Jet NR/HVLP, serial number 121013.

SEE THE FOLLOWING CONDITIONS FOR P009549, WHICH ARE IDENTICAL TO THIS PERMIT.

b. P008346 – PAINT SPRAY GUN, WEAPONS SURVIVABILITY LAB, PORTABLE HVLP

EQUIPMENT DESCRIPTION: A gravity fed HVLP paint gun manufactured by DeVilbiss, Model # OMX-510, Serial # WSL-001.

SEE THE FOLLOWING CONDITIONS FOR P009549, WHICH ARE IDENTICAL TO THIS PERMIT.

c. P009549 – PAINT SPRAY GUN, WEAPONS SURVIVABILITY LAB, PORTABLE HVLP

EQUIPMENT DESCRIPTION: An airless HVLP Paint Spray System Manufactured by CAPspray, Model # CS 10000, Serial # K0500280.

1. All coatings, diluents, thinners and solvents shall comply with District Rules 442, 1113, 1114, and 1115 in their entirety. These rules pertain to Photochemically Reactive Solvents, Architectural Coatings, Wood Products Coatings, ~~and~~ Metal Parts & Products Coatings Operations, and Automotive Refinishing Operations.
   [District Rules 442, 1113, 1114, 1115, and 1116]

2. The owner/operator shall maintain an operations log for this paint gun current and on-site (or at a central location) for a minimum of five (5) years, and this log shall be provided to District, State and Federal personnel upon request. The log shall include, at a minimum, the information specified below:
   (a) Equipment used to apply each coating (this District permit number);
   (b) Type of coating used and its VOC limit under each applicable rule;
   (c) Quantity of coating used and its VOC content (in pounds per gallon or grams per liter);
   (d) Total VOC emissions for that day's operations.
   (e) Total daily use of non-VOC organic solvent in lb/day;
   (f) Thirty day rolling average of non-VOC organic solvent used in lb/month; and

   [District Rules 204 and 442; 40 CFR 70.6(a)(3)(ii)(b)]

3. The total VOC emissions from this permit unit shall not exceed 20 pounds/day, midnight to midnight.
   [District Rules 204 and 1303]

4. This paint gun may be operated outside of the main areas of operation and/or a spray booth.
   [District Rule 204]

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5. The owner/operator shall not use any motor vehicle or mobile equipment coating that contains hexavalent chromium or cadmium as discussed in 17 CCR 93112 - Airborne Toxic Control Measure for Emissions of Hexavalent Chromium and Cadmium from Motor Vehicle and Mobile Equipment Coatings). Compliance with this condition shall be verified by the retention of MSDS sheets (or equivalent documentation of chemical content) for every applicable coating used at the facility for five (5) years, and these shall be provided to District, State or Federal personnel upon request.
[District Rule 1116; 17 CCR 93112]

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d. S003135 – PAINT SPRAY BOOTH (SALT WELLS, BLDG 15950)

EQUIPMENT DESCRIPTION: A booth manufactured by Binks, measuring 9.5 ft by 11 ft by 8 ft high. This spray booth has double layer, 4 inch pleated paper filters.

SEE THE FOLLOWING CONDITIONS FOR S003138, WHICH ARE IDENTICAL TO THIS PERMIT.

e. S003138 – PAINT SPRAY BOOTH (SALT WELLS, BLDG ~~11680~~TBD)

EQUIPMENT DESCRIPTION: A booth manufactured by GFS measuring 9 feet 8 inches wide by 7 feet 10 inches high by 11 feet 8 inches deep. Air filtration system consists of a two-stage filtration system designed to fit into twenty 20-inch by 20-inch by 2-inch filter cells. The first stage features a panel-type filter, and the second stage is a 2-pocket bag-type filter and operates at a pressure drop of 0.5-2.0 inches of water column across the exhaust filters, or as recommended by the manufacturer. An exhaust fan driven by a 3 horsepower motor produces a maximum design airflow of 6,300 scfm.~~A custom built unit: The painting surface area is the table in the middle of the room, whose dimensions are 19 ft by 25 ft by 12 ft high. Air filtration system consists of a Spray Systems Industrial Dry Filter Booth, Model I-887, measuring 7 ft-7 in W X 7 ft-9 in H X 7 ft-6in D, containing twelve 20 inch x 25 inch x 2 inch exhaust filters, an exhaust filter manometer, and a 24 inch diameter exhaust fan driven by a 1.5 hp motor producing an airflow of 6400 scfm.~~

1. This equipment shall be installed, operated and maintained in strict accordance with those recommendations of the manufacturer/supplier and/or sound engineering principles which produce the minimum emissions of contaminants. Unless otherwise noted, this equipment shall also be operated in accordance with all data and specifications submitted with the application for this permit.
[District Rule 204]

2. All coatings, diluents, thinners and solvents used within this paint booth shall comply with District Rules 442, 1113, 1114, and 1115 in their entirety. These rules pertain to

Photochemically Reactive Solvents, Architectural Coatings, Wood Products Coatings, ~~and~~ Metal Parts & Products Coatings Operations, and Automotive Refinishing Operations.
[District Rules 442, 1113, 1114, 1115, and 1116]

3. The owner/operator shall maintain an operations log for this paint booth current and on-site (or at a central location) for a minimum of five (5) years, and this log shall be provided to District, State and Federal personnel upon request. The log shall include, at a minimum, the information specified below:
   (a) Equipment used to apply each coating and the type of substrate being coated;
   (b) Type of coating used and its VOC limit under each applicable rule;
   (c) Quantity of coating used and its VOC content (in pounds per gallon or grams per liter);
   (d) Total VOC emissions for each day's operations;
   (e) Total VOC emissions for each rolling consecutive twelve-month period; and
   (f) Differential pressure readings across the exhaust filters.
   [District Rule 204; 40 CFR 70.6(a)(3)(ii)(b)]

4. The owner/operator shall not use an application method other than HVLP spray guns, hand-held Aerosol Coating Products or Hand Application methods unless prior written approval is obtained from the District.
   [District Rules 442, 1113, 1114, 1115, and 1116]

5. Discharge filters shall be installed and maintained in a tightly mounted and dimensionally stable condition, free from excessive deposits or interference with air flow passages. Differential pressure drops across the discharge filters shall be maintained between 0.5 and 2.0 inches of water column as currently recommended by the manufacturer: If a change in any filter type requires a modification to this range, the District shall be notified in writing prior to the change.

   Note: Currently, isocyanate emissions are not specifically regulated. However, the facility may be required to file a Toxics Emissions Inventory and/or conduct a Health Risk Assessment. Based on the Risk Assessment, control of the emissions may be required.
   [District Rules 204 and 1320]

6. The total amount of VOCs emitted from this paint booth shall not exceed 20 pounds per day. Furthermore, the total amount of VOCs emitted from this paint booth shall not exceed more than 4,000 pounds per rolling consecutive twelve-month period.
   [District Rule 204]

7. The owner/operator shall not use any motor vehicle or mobile equipment coating that contains hexavalent chromium or cadmium as discussed in 17 CCR 93112 - Airborne Toxic Control Measure for Emissions of Hexavalent Chromium and Cadmium from Motor Vehicle and Mobile Equipment Coatings). Compliance with this condition shall be verified by the retention of MSDS sheets (or equivalent documentation of chemical content) for every applicable coating used at the facility for five (5) years, and these shall be provided to District, State or Federal personnel upon request.

[District Rule 1116; 17 CCR 93112]

f. S002204 – PAINT SPRAY BOOTH (WEAPONS SURVIVABILITY LAB, BLDG 31198)

EQUIPMENT DESCRIPTION: A custom manufactured building measuring 16 ft by 18 ft by 34 ft high. There are 60 inlet filters and 60 outlet filters. Each filter is 20 inches square and 1 inch thick. This booth contains 2 fans drawing a total of 28,800 ACFM. The spray booth is equipped to apply either HVLP spray coatings or powder coatings.

SEE THE FOLLOWING CONDITIONS FOR S007809, WHICH ARE IDENTICAL TO THIS PERMIT.

g. S007809 – PAINT SPRAY BOOTH (IOB)

EQUIPMENT DESCRIPTION: A Col-Met spray booth, Model TCC45PDT with AMU, measuring 16 ft H x 16 ft W x 45 ft D (interior), equipped with an (exempt) 2.2 MMBtu/hr comfort space heating unit. This unit has a single bank of 20 inch x 20 inch x 1 inch deep intake filters, and a 7.5 hp exhaust fan generating 25,600 scfm, This booth includes an heater, exempt from permitting per District Rule 219(E)(4)(e), which is used to when necessary to maintain a comfortable working temperature within the paint booth.

1. This equipment shall be installed, operated and maintained in strict accordance with those recommendations of the manufacturer/supplier and/or sound engineering principles which produce the minimum emissions of contaminants. Unless otherwise noted, this equipment shall also be operated in accordance with all data and specifications submitted with the application for this permit.
   [District Rule 204]

2. All coatings, diluents, thinners and solvents used within this paint booth shall comply with District Rules 442, 1113, 1114, and 1115 in their entirety. These rules pertain to Photochemically Reactive Solvents, Architectural Coatings, Wood Products Coatings, ~~and~~ Metal Parts & Products Coatings Operations, and Automotive Refinishing Operations.
   [District Rules 442, 1113, 1114, 1115, and 1116]

3. The owner/operator shall maintain an operations log for this paint booth current and on-site (or at a central location) for a minimum of five (5) years, and this log shall be provided to District, State and Federal personnel upon request. The log shall include, at a minimum, the information specified below:
   (a) Equipment used to apply each coating and the type of substrate being coated;
   (b) Type of coating used and its VOC limit under each applicable rule;
   (c) Quantity of coating used and its VOC content (in pounds per gallon or grams per liter);
   (d) Total amount of VOC emissions for each day's operations;
   (e) Total amount of VOC emissions for each rolling consecutive twelve-month period;

(f) Total daily use of non-VOC organic solvent in lb/day;
(e) Thirty day rolling average of non-VOC organic solvent used in lb/month; and
(f) Differential pressure readings across the exhaust filters.
[District Rules 204 and 442; 40 CFR 70.6(a)(3)(ii)(b)]

4. The owner/operator shall not use an application method other than HVLP spray guns, hand-held Aerosol Coating Products or Hand Application methods unless prior written approval is obtained from the District.
[District Rules 442, 1113, 1114, 1115, and 1116]

5. Discharge filters shall be installed and maintained in a tightly mounted and dimensionally stable condition, free from excessive deposits or interference with air flow passages. Differential pressure drops across the discharge filters shall be maintained between 0.01 and 0.15 inches of water column as currently recommended by the manufacturer: If a change in any filter type requires a modification to this range, the District shall be notified in writing prior to the change.

   Note: Currently, isocyanate emissions are not specifically regulated. However, the facility may be required to file a Toxics Emissions Inventory and/or conduct a Health Risk Assessment. Based on the Risk Assessment, control of the emissions may be required.
[District Rules 204 and 1320]

6. The total amount of VOCs emitted from this paint booth shall not exceed 20 pounds per day. Furthermore, the total amount of VOCs emitted from this paint booth shall not exceed more than 4,000 pounds per rolling consecutive twelve-month period.
[District Rule 204]

7. The owner/operator shall not use any motor vehicle or mobile equipment coating that contains hexavalent chromium or cadmium as discussed in 17 CCR 93112 - Airborne Toxic Control Measure for Emissions of Hexavalent Chromium and Cadmium from Motor Vehicle and Mobile Equipment Coatings). Compliance with this condition shall be verified by the retention of MSDS sheets (or equivalent documentation of chemical content) for every applicable coating used at the facility for five (5) years, and these shall be provided to District, State or Federal personnel upon request.
[District Rule 1116; 17 CCR 93112]

h. T005063 – PARTS WASHER (SALT WELLS BLDG 15950)

EQUIPMENT DESCRIPTION: A tank manufactured by R & D, measuring 45 inches x 24 inches x 17 inches, used for soaking research and development materials.

SEE THE FOLLOWING CONDITIONS FOR T009804, WHICH ARE IDENTICAL TO THIS PERMIT.

i. T009804 – PARTS WASHER (SOUTH RANGE, BLDG 70004)

EQUIPMENT DESCRIPTION: A tank manufactured by Graymills, Model 500-A and serial number C-91, measuring 32 inches x 21 inches x 23 inches, used for soaking research and development materials.

1. This tank shall be provided with a tight-fitting cover, which shall be closed when the tank is not in use.
   [District Rule 1104]

2. The solvent used in this tank shall be 'Breakthrough' (a registered Trademark product), paint thinner (CAS 64742-88-7) or an equivalent low volatility solvent. This solvent shall not be heated above ambient temperature.
   [District Rule 1104]

3. This tank shall have at least 6 inches of freeboard after immersion of items to be cleaned.
   [District Rule 1104]

4. Parts shall be added and removed in such a manner to preclude splashing and parts being removed shall be visually dry before removal.
   [District Rule 1104]

5. The vertical speed of the hoist shall not exceed eleven (11) feet per minute when such a hoist is used.
   [District Rule 1104]

6. The owner/operator shall maintain an operations log for this unit current and on-site (or at a central location) for a minimum of five (5) years, and this log shall be provided to District, State and Federal personnel upon request. The log shall include, at a minimum, the information specified below:
   (a) Type of solvent used;
   (b) Dates and amounts of solvent added;
   (c) Records of all maintenance and repairs to the system; and
   (d) Total solvent usage for each rolling consecutive twelve-month period;
   [District Rules 204 and 1104; 40 CFR 70.6(a)(3)(ii)(b)]

7. Total solvent used in the Dip Tanks and Parts Washers under District permit numbers T005063 and T009804 shall not exceed 548 gallons in any consecutive twelve-month period.
   [District Rule 204]

K) MISCELLANIOUS EQUIPMENT

a. B004011 – TURBINE, PORTABLE, JP-8/F-24 FUELED (WEAPONS SURVIVABILITY LAB: PORTABLE HIVAS)

EQUIPMENT DESCRIPTION: A Pratt & Whitney TF30P-6E jet engine firing JP-8 or F-24 fuel. This engine is platform mounted, designed to be moved as needed to locations where the necessary positional aspects and conditions relative to aerospace vehicle survivability testing is required. This engine uses a maximum of 6,200 lb fuel per hour and is normally stored at the Weapons Survivability Lab complex.

1. This equipment shall be installed, operated and maintained in strict accordance with those recommendations of the manufacturer/supplier and/or sound engineering principles which produce the minimum emissions of contaminants. Unless otherwise noted, this equipment shall also be operated in accordance with all data and specifications submitted with the application for this permit.
   [District Rule 204; 40 CFR 63.6640(a)]

2. This turbine shall not be operated for more than 50 hours in any one consecutive twelve-month period without the prior written approval from the APCO.
   [District Rule 204]

3. The meteorological conditions that are required for a test firing are as follows:
   (a) The maximum wind speed from any and all directions shall be less than 30 mph.
   [District Rule 204]

4. The owner/operator shall maintain an operations log for this equipment current and on-site (or at a central location) for a minimum of five (5) years, and this log shall be provided to District, State and Federal personnel upon request. The log shall include, at a minimum, the information specified below:
   (a) Date, time, and location of each use;
   (b) Purpose of each use, including the unique test identification number;
   (c) Amount, in gallons, of fuel used in each use; and
   (d) The wind speed before each test.
   [District Rule 204; 40 CFR 70.6(a)(3)(ii)(b)]

b. B009915 – FLASHING FURNACE, LPG/PROPANE OR NATURAL GAS FUELED (GROUND OPS)

EQUIPMENT DESCRIPTION: An El Dorado Engineering furnace, Model # 101-L-U, S/N 12901-001, direct-fired by two (2) burners with a combined heat input rating of 6.6 MMBtu/hour, Using either LPG/Propane or Natural Gas.

1. This equipment shall be installed, operated and maintained in strict accordance with those recommendations of the manufacturer/supplier and/or sound engineering principles which produce the minimum emissions of contaminants. Unless otherwise noted, this equipment

shall also be operated in accordance with all data and specifications submitted with the application for this permit.
[District Rule 204; 40 CFR 63.6640(a)]

2. This furnace shall use only LPG/propane or natural gas as fuel and shall be equipped with a meter measuring fuel consumption in standard cubic feet or gallons.
[District Rule 204]

3. The owner/operator shall maintain an operations log for this equipment current and on-site (or at a central location) for a minimum of five (5) years, and this log shall be provided to District, State and Federal personnel upon request. The log shall include, at a minimum, the information specified below:
   (a) Monthly fuel usage in terms of type (LPG/Propane or Natural Gas) and quantity (Standard Cubic Feet or Gallons); and
   (b) Calendar year operation in terms of fuel consumption (in standard cubic feet or gallons) to ensure accurate Emission Inventory inputs;
[District Rule 204; 40 CFR 70.6(a)(3)(ii)(b)]

4. The facility must submit accurate emissions inventory data to the District, in a format approved by the District, upon District request.
[District Rule 204]

c. C009072 – BURN ROOM, FIRE SCIENCES LAB (BLDG 31600)

EQUIPMENT DESCRIPTION: A Venturi Scrubber with a high velocity throat section to quench hot gases and remove particulates, and a mist eliminator to remove liquid droplets. This system vents gases from A 30' x 30' x 24'h concrete room with drainage. Airflow through the system is generated by a 19,000 cfm fan powered by a 125 hp motor.

1. This equipment shall be installed, operated and maintained in strict accordance with those recommendations of the manufacturer/supplier and/or sound engineering principles which produce the minimum emissions of contaminants. Unless otherwise noted, this equipment shall also be operated in accordance with all data and specifications submitted with the application for this permit.
[District Rule 204; 40 CFR 63.6640(a)]

2. This system shall be used whenever there is any material being burned in the room.
[District Rule 204]

3. Burn Room operations shall be restricted to the following rolling consecutive 12-month period limits (rolling annual limit) unless a specific test plan is approved in advance by the APCO:
   (a) Class A (cellulose materials): 9000 pounds
   (b) Class B (petroleum based liquid fuels/JP-8): 1000 gallons
   (c) Class C (electrical): none
   (d) Class D (flammable metals): 1000 pounds

[District Rule 204]

4. The owner/operator shall maintain an operations log for this equipment current and on-site (or at a central location) for a minimum of five (5) years, and this log shall be provided to District, State and Federal personnel upon request. The log shall include, at a minimum, the information specified below:
   (a) Date of each use; and
   (b) Type of material(s) used; and
   (c) Amount of each material used.
   [District Rule 204; 40 CFR 70.6(a)(3)(ii)(b)]

d. C003491 – SOIL REMEDIATION SYSTEM (WEST OF BLDG 11040)

EQUIPMENT DESCRIPTION:
a. Vacuum pump - By Sutorbilt 3LL blower powered by a 7.5 bhp explosion proof motor.
b. Knockout Tank - By EVAX with a particulate filter, pressure relief valve, and explosion proof level switch.
c. Thermal Oxidizer - By EVAX with a normal operating temperature of 1400 degrees Fahrenheit at a minimum efficiency of 99%.
d. Catalytic Oxidizer - By EVAX with a platinum/palladium catalyst bed with a normal operating temperature of 650 degrees Fahrenheit at a minimum efficiency of 98.5%.
e. Burner - By Eclipse Combustion, Model 84 MVTA with a heat input rating of one million Btu/hr and a turndown ratio of 25:1.
f. Heat Exchanger - By Exothermics-Eclipse, Inc.
g. Control Panel - NEMA 4X with 4 channel recorder, temperature controller, over - temperature controller, Eclipse burner management system, and lower explosive limit (LEL) indicator mfg by Control Instruments Corporation.

1. This equipment shall be installed, operated and maintained in strict accordance with those recommendations of the manufacturer/supplier and/or sound engineering principles which produce the minimum emissions of air contaminants. Unless otherwise noted, this equipment shall also be operated in accordance with all data and specifications submitted with the application for this permit.
   [District Rule 204; 40 CFR 63.6640(a)]

2. Liquified Petroleum Gas (LPG) / Propane shall be continuously co-fired in this equipment in order to optimize combustion of the extracted soil vapors.
   [District Rule 204]

3. Benzene concentration at the exit of the system, must not exceed 0.01 ppm by volume as determined by method 410A of the California Air Resources Board.
   [District Rule 1320]

4. A portable hydrocarbon analyzer (Foxboro OVA-FID, Horiba Mexa 324GE or equivalent) shall be used for the first 10 days and monthly thereafter to measure the total petroleum hydrocarbon (TPH) concentration in the inlet and outlet of this system. The hydrocarbon analyzer shall be calibrated in ppmv of hexane.
[District Rule 204]

5. The TPH concentration measured at the inlet shall not exceed 30,000 ppm and at the outlet shall not exceed 100 ppm.
[District Rule 1320]

6. Temperature measuring devices shall be installed and maintained at the outlet of both the thermal and catalyst oxidizers.
[District Rule 204]

7. Whenever the vapor extraction system is operating, the temperature shall be as follows:
(a) At the outlet of the thermal oxidizer: 1400 degrees Fahrenheit or greater.
(b) At the outlet of the catalytic oxidizer: 650 degrees Fahrenheit or greater.
This requirement is not in effect during periods of startup and shutdown, not to exceed 30 minutes each.
[District Rule 204]

8. A flow indicator and recorder must be installed and maintained at the at the system inlet to measure and record the total rate in standard cubic feet per minute (SCFM).
[District Rule 204]

9. The flow rate measured at the inlet of the system shall not exceed 250 SCFM.
[District Rule 204]

10. Within ninety (90) days of commencement of operation the owner/operator shall conduct a compliance/certification test (source test) for benzene and total petroleum hydrocarbons as gasoline (TPHg) in accordance with the District's "Compliance Test Procedural Manual".
(a) At least thirty (30) days prior to the commencement of operation of this soil vapor extraction and treatment system the o/o shall submit to the District a written test plan for review and approval.
(b) At least ten (10) days prior to the scheduled test date, the o/o shall give written notice of the test date(s) to the District so that an observer may be present.
(c) A written test report with the results of such test shall be submitted to the District within forty-five (45) days after completion of sample collections on-site.
[District Rule 204]

11. The owner/operator shall notify the District Engineering Section, in writing, within 10 working days of each of the following:
(a) Commencement of construction or installation;
(b) Completion of construction or installation;
(c) Commencement of operation; and
(d) Completion of operation.

[District Rule 204]

e. C003396 – NEGATIVE AIR MACHINE, PORTABLE

EQUIPMENT DESCRIPTION: A MicroTrap model MT 2000, unit ID number 1. This equipment has three separate filters:
a. A polyester primary pre-filter to keep the secondary pre-filter from being easily clogged with large flakes and chips;
b. A polyester/cotton secondary pre-filter with a 90% removal efficiency for particles with an aerodynamic diameter of 10 microns and larger; and
c. A certified HEPA filter with a 99.97% removal efficiency for particles with an aerodynamic diameter of 0.3 microns and larger.

SEE THE FOLLOWING CONDITIONS FOR C012412, WHICH ARE IDENTICAL TO THIS PERMIT.

f. C003397 – NEGATIVE AIR MACHINE, PORTABLE

EQUIPMENT DESCRIPTION: A MicroTrap model MT 2000, unit ID number 2. This equipment has three separate filters:
a. A polyester primary pre-filter to keep the secondary pre-filter from being easily clogged with large flakes and chips;
b. A polyester/cotton secondary pre-filter with a 90% removal efficiency for particles with an aerodynamic diameter of 10 microns and larger; and
c. A certified HEPA filter with a 99.97% removal efficiency for particles with an aerodynamic diameter of 0.3 microns and larger.

SEE THE FOLLOWING CONDITIONS FOR C012412, WHICH ARE IDENTICAL TO THIS PERMIT.

g. C003398 – NEGATIVE AIR MACHINE, PORTABLE

EQUIPMENT DESCRIPTION: An Aeroclean model ECONO 2000, unit ID number 3. This equipment has three separate filters:
a. A polyester primary pre-filter to keep the secondary pre-filter from being easily clogged with large flakes and chips;
b. A polyester/cotton secondary pre-filter with a 90% removal efficiency for particles with an aerodynamic diameter of 10 microns and larger; and
c. A certified HEPA filter with a 99.97% removal efficiency for particles with an aerodynamic diameter of 0.3 microns and larger.

SEE THE FOLLOWING CONDITIONS FOR C012412, WHICH ARE IDENTICAL TO THIS PERMIT.

h. C012412 – NEGATIVE AIR MACHINE, PORTABLE

EQUIPMENT DESCRIPTION: An OmniAire model 2200C, unit ID number 3. This equipment has three separate filters:
a. A polyester primary pre-filter to keep the secondary pre-filter from being easily clogged with large flakes and chips;
b. A polyester/cotton secondary pre-filter with a 90% removal efficiency for particles with an aerodynamic diameter of 10 microns and larger; and
c. A certified HEPA filter with a 99.97% removal efficiency for particles with an aerodynamic diameter of 0.3 microns and larger.

1. This equipment shall be installed, operated and maintained in strict accordance with those recommendations of the manufacturer/supplier and/or sound engineering principles which produce the minimum emissions of air contaminants. Unless otherwise noted, this equipment shall also be operated in accordance with all data and specifications submitted with the application for this permit.
[District Rule 204]

2. After each abatement use, this equipment must be emptied and cleaned within a negative air enclosure, and filters and waste collected with this equipment must be disposed as friable asbestos waste.
[District Rule 204; 40 CFR 61, Subpart M]

3. The HEPA filters used in the HEPA Negative Air Machine shall be certified by the manufacturer to have a minimum control efficiency of 99.97% on 0.3 micron particles when tested in accordance with IEST-RP-CC007.
[District Rules 204; 40 CFR 61.152(b)(2)]

4. During full containment projects, viewing ports shall be provided for inspection purposes. The viewing port dimensions shall be at least 18 inches square and the bottom of the port shall be at least 3 feet from floor level.
[District Rule 204]

5. During full containment projects, viewing ports shall be sufficient in number to allow observation of all stripping and removal operations from outside the containment area.
[District Rule 204]

6. During full containment projects, a mechanical gauge shall be installed so as to indicate, in inches of water column, the pressure differential between the containment area and the outside. The mechanical gauge shall be located in a manner that will allow an observer to easily monitor the differential pressure from outside the containment.
[District Rule 204; OSHA 29 CFR 1926.1101]

7. During full containment projects, the owner/operator shall maintain negative pressure of 0.02 inches of water gauge minimum in the work area to prevent contaminants from

escaping the containment barriers and to ensure that the negative air machine airflow is adequate.
[OSHA 29 CFR 1926.1101]

8. The total combined operating hours for all Negative Air Machines operated at this facility shall not exceed 26,000 hours in any rolling consecutive 12-month period.
[District Rule 204]

9. The owner/operator shall maintain an operations log for this equipment current and on-site (or at a central location) for a minimum of five (5) years, and this log shall be provided to District, State and Federal personnel upon request. The log shall include, at a minimum, the information specified below:
   (a) Date of each use; and
   (b) Beginning and ending hour meter readings for each day's use.
[District Rule 204; 40 CFR 70.6(a)(3)(ii)(b)]

10. This unit may, at the discretion of the owner/operator, be used on any commercial asbestos abatement project for a demolition or renovation pursuant to 40 CFR 61, Subpart M - National Emission Standard for Asbestos if the project is properly notified to the District. Proper notification must be consistent with 40 CFR 61, Subpart M, a minimum of ten (10) working days prior to commencement and sent to asbestos@mdaqmd.ca.gov.
[40 CFR 61, Subpart M]

11. Any project containing Regulated Asbestos Containing Material (RACM) shall have onsite at least one trained operator as specified in 40 CFR 61.145(c)(8) during the removal of RACM. Evidence of such training shall be presented to District personnel upon request.
[40 CFR 61, Subpart M]

12. This equipment and all operations pertaining to the use of this equipment are subject to the requirements of the National Emission Standard for Hazardous Air Pollutants, Subpart M - NESHAP for Asbestos (40 CFR 61, Subpart M).

13. This unit shall not operate within 1000 feet of the outer boundary of any K-12 school. Proposed operations inside this boundary may require Public Noticing and or additional equipment restrictions. Therefore, any project proposed inside this boundary will require the submittal of a new application to revise this permit to operate. This is required to ensure compliance with the applicable requirements of the California Health and Safety Code Section 42301.6.
[H&S Code 42301.6]

PART IV
STANDARD FEDERAL OPERATING PERMIT CONDITIONS

1. If any portion of this Federal Operating Permit is found to be invalid by the final decision of a court of competent jurisdiction the remaining portion(s) of this Federal Operating Permit shall not be affected thereby.
[40 CFR 70.6(a)(5); Rule 1203(D)(1)(f)(i)]

2. Owner/Operator shall comply with all condition(s) contained herein. Noncompliance with any condition(s) contained herein constitutes a violation of the Federal Clean Air Act and of MDAQMD Regulation XII and is grounds for enforcement action; termination, revocation and re-issuance, or modification of this Federal Operating Permit; and/or grounds for denial of a renewal of this Federal Operating Permit.
[40 CFR 70.6(a)(6)(i); Rule 1203(D)(1)(f)(ii)]

3. It shall not be a defense in an enforcement action brought for violation(s) of condition(s) contained in this Federal Operating Permit that it would have been necessary to halt or reduce activity to maintain compliance with those condition(s).
[40 CFR 70.6(a)(6)(ii); Rule 1203(D)(1)(f)(iii)]

4. This Federal Operating Permit may be modified, revoked, reopened or terminated for cause.
[40 CFR 70.6(a)(6)(iii); Rule 1203(D)(1)(f)(iv)]

5. The filing of an application for modification; a request for revocation and re-issuance; a request for termination; notifications of planned changes; or anticipated noncompliance with condition(s) does not stay the operation of any condition contained in this Federal Operating Permit.
[40 CFR 70.6(a)(6)(iii); Rule 1203(D)(1)(f)(v)]

6. The issuance of this Federal Operating Permit does not convey any property rights of any sort nor does it convey any exclusive privilege.
[40 CFR 70.6(a)(6)(iv); Rule 1203(D)(1)(f)(vi)]

7. Owner/Operator shall furnish to the MDAQMD, within a reasonable time as specified by the MDAQMD, any information that the MDAQMD may request in writing to determine whether cause exists for modifying, revoking and reissuing, terminating, or determining compliance with the Federal Operating Permit.
[40 CFR 70.6(a)(6)(v); Rule 1203(D)(1)(f)(vii)]

8. Owner/Operator shall furnish to qualified District, CARB or EPA personnel, upon request, copies of any records required to be kept pursuant to condition(s) of this Federal Operating Permit.
[40 CFR 70.6(a)(6)(v); Rule 1203(D)(1)(f)(viii)]

9. Any records required to be generated and/or kept by any portion of this Federal Operating Permit shall be retained by the facility Owner/Operator for at least five (5) years from the date the records were created.
[40 CFR 70.6(a)(3)(ii)(B); Rule 1203(D)(1)(d)(ii)]

10. Owner/Operator shall pay all applicable fees as specified in MDAQMD Regulation III, including those fees related to permits as set forth in Rules 301 and 312.
[40 CFR 70.6(a)(7); Rule 1203(D)(1)(f)(ix)]

11. Owner/Operator shall not be required to revise this permit for approved economic incentives, marketable permits, emissions trading or other similar programs provided for in this permit.
[40 CFR 70.6(a)(8); Rule 1203(D)(1)(f)(x)]

12. Compliance with condition(s) contained in this Federal Operating Permit shall be deemed compliance with the Applicable Requirement underlying such condition(s). The District clarifies that "only" Applicable Requirements listed & identified elsewhere in this Title V Permit are covered by this Permit Shield and does not extend to any unlisted/unidentified conditions pursuant to the requirements of 40 CFR 70.6(f)(1)(i).
[40 CFR 70.6(f)(1)(i); Rule 1203(G)(1)]

13. The Permit Shield set forth above, in condition 12 of Part IV, shall not be construed to limit the emergency powers of USEPA as set forth in 42 U.S.C. §7603.
[40 CFR 70.6(f)(3)(i); Rule 1203(G)(3)(a)]

14. The Permit Shield set forth above, in condition 12 of Part IV, shall not be construed to limit liability for violations, which occurred prior to the issuance of this Federal Operating Permit.
[40 CFR 70.6(f)(3)(ii); Rule 1203(G)(3)(b)]

15. This facility is not subject to any Applicable Requirement Contained in the Acid Rain Program.
[40 CFR 70.6(f)(3)(iii); Rule 1203(G)(3)(c)]

16. The Permit Shield set forth above, in condition 12 of Part IV, shall not be construed to limit the ability of USEPA or the MDAQMD to obtain information pursuant to other provisions of law including but not limited to 42 U.S.C. §7414.
[40 CFR 70.6(f)(3)(iv); Rule 1203(G)(3)(d)]

17. The Permit Shield set forth above, in condition 12 of Part IV, shall not be construed to apply to emissions trading pursuant to provisions contained in an applicable State Implementation Plan.
[40 CFR 70.4(b)(12)(ii)(B); Rule 1203(G)(3)(e)]

18. The Permit Shield set forth above, in condition 12 of Part IV, shall not be construed to apply to changes made which are not expressly allowed by this Federal Operating Permit.
[40 CFR 70.4(b)(14)(iii); Rule 1203(G)(3)(f)]

19. The Permit Shield set forth in Part IV, condition 12, shall not be construed to apply to changes made pursuant to the Significant Permit Modification provisions until such changes are included in this Federal Operating Permit.
[40 CFR 70.5(a)(1)(ii), 70.7(e)(2)(vi); Rule 1203 (G)(3)(g)]

20. If Owner/Operator performs maintenance on, or services, repairs, or disposes of appliances, Owner/Operator shall comply with the standards for Recycling and Emissions Reduction pursuant to 40 CFR Part 82, Subpart F. These requirements are Federally Enforceable through this Title V Permit.
[40 CFR Part 82, Subpart F]

21. If Owner/Operator performs service on motor vehicles when this service involves the ozone-depleting refrigerant in the motor vehicle air conditioner (MVAC), Owner/Operator shall comply with the standards for Servicing of Motor Vehicle Air Conditioners pursuant to all the applicable requirements as specified in 40 CFR Part 82, Subpart B. These requirements are Federally Enforceable through this Title V Permit.
[40 CFR Part 82, Subpart B]

22. Notwithstanding the testing requirements contained elsewhere in this Title V Permit, any credible evidence may be used to establish violations, including but not limited to; reference test methods, engineering calculations, indirect estimates of emissions, CEMS data, and parametric monitoring data. Data need not be required to be collected in a Title V permit in order to be considered credible.
[Section 113(a) of the Clean Air Act]

23. If Owner/Operator emits 25,000 metric tons CO2 or more per year in combined emissions from all stationary fuel combustion sources, then Owner/Operator shall then comply with the provisions of 40 CFR 98 – Mandatory Greenhouse Gas Reporting.
[40 CFR 98.2(a)(3)]

PART V
OPERATIONAL FLEXIBILITY

OFF PERMIT CHANGES

I. Permitee may make a proposed change to equipment covered by this permit that is not expressly allowed or prohibited by this permit if the Permitee has applied for and obtained all permits and approvals required by MDAQMD Regulation II and Regulation XII unless the equipment involved in the change is exempt from obtaining such permits and approvals pursuant to the provisions of Rule 219; and the proposed change is not:

A. Subject to any requirements under Title IV of the Federal Clean Air Act [See 1203(E)(1)(c)];
or

(b) A modification under Title I of the Federal Clean Air Act;
or

(c) A modification subject to Regulation XIII [See 1203(E)(1)(c)];
and

(d) The change does not violate any Federal, State or Local requirement, including an applicable requirement [See 1203(E)(1)(c)];
and

(e) The change does not result in the exceedance of the emissions allowable under this permit (whether expressed as an emissions rate or in terms of total emissions). [See 1203(E)(1)(c)]

2. Procedure for "Off Permit" Changes: If a proposed "Off Permit Change" qualifies under Part V, Section (A)(I)(A)(1) above, permitee shall implement the change as follows:

(a) Permitee shall apply for an Authority To Construct permit pursuant to the provisions of Regulation II. [See 1203(E)(1)(c)]

(b) In addition to the information required pursuant to the provisions of Regulation II and Regulation XIII such application shall include:

(i) A notification that this application is also an application for an "Off Permit" Change pursuant to this condition [See 1203(E)(1)(c)];
and

(ii) A list of any new Applicable Requirements which would apply as a result of the change [See 1203(E)(1)(c)];
and

(iii) A list of any existing Applicable Requirements which would cease to apply as a result of the change. [See 1203(E)(1)(c)]

(c) Permitee shall forward a copy of the application and notification to USEPA upon submitting it to the District. [See 1203(E)(1)(c)]

(d) Permitee may make the proposed change upon receipt from the District of the Authority to Construct Permit or thirty (30) days after forwarding the copy of the notice and application to USEPA whichever occurs later. [See 1203(E)(1)(c)]

(e) Permitee shall attach a copy of the Authority to Construct Permit and any subsequent Permit to Operate which evidences the Off Permit Change to this Title V permit. [See 1203(E)(1)(c)]

(f) Permitee shall include each Off-Permit Change made during the term of the permit in any renewal application submitted pursuant to Rule 1202(B)(3)(b). [See 1203(E)(1)(c)]

3. Other Requirements:

(a) The provisions of Rule 1205 – Modifications do not apply to an Off Permit Change made pursuant to this condition.

(b) The provisions of Rule 1203(G) – Permit Shield do not apply to an Off Permit Change made pursuant to this condition. [See 40 CFR 70.4(b)(i)(B)]

[District Rules 204 and 1203]

PART VI
CONVENTIONS, ABBREVIATIONS, DEFINITIONS

A. The following referencing conventions are used in this Federal Operating Permit:

40 CFR Part 60, Standards of Performance for New Stationary Sources (NSPS)
40 CFR Part 60, Appendix F, Quality Assurance Procedures
40 CFR Part 61, National Emission Standards for Hazardous Air Pollutants (NESHAPS)
40 CFR Part 61, Subpart M, National Emission Standards for Asbestos
40 CFR Part 63, National Emission Standards For Hazardous Air Pollutants For Affected Source Categories
40 CFR Part 70, State Operating Permit Programs
40 CFR Part 72, Permits Regulation (Acid Rain Program)
40 CFR Part 73, Sulfur Dioxide Allowance System
40 CFR Part 75, Continuous Emission Monitoring
40 CFR Part 75, Subpart D, Missing Data Substitution Procedures
40 CFR Part 75, Appendix B, Quality Assurance and Quality Control Procedures
40 CFR Part 75, Appendix C, Missing Data Estimating Procedures
40 CFR Part 75, Appendix D, Optional SO2 Emissions Data Protocol
40 CFR Part 75, Appendix F, Conversion Procedures
40 CFR Part 75, Appendix G, Determination of CO2 Emissions
40 CFR Part 80, Regulation of Fuels and Fuel Additives
40 CFR Part 82, Protection of Stratospheric Ozone

B. Other conventions and Definitions:

1. Unless otherwise noted, a "day" shall be considered a 24-hour period from midnight to midnight (i.e., calendar day).
2. The process unit identifications represent the District permit number designations. These numbers are not sequential. The use of District permit numbers provides continuity between the District and Federal Operating Permit systems.

C. Abbreviations used in this permit are as follows:

~~acfm~~	~~Actual Cubic Feet per Minute~~
ACFM	Actual Cubic Feet per Minute
ACM	Asbestos Containing Materials
AFFF	Aqueous Film Forming Foam

APCO	Air Pollution Control Officer
ARB	Air Resources Board (California Air Resources Board)
ASTM	American Society for Testing and Materials
BACT	Best Available Control Technology
bhp	Brake Horsepower
Btu	British Thermal Units
Btu/hour	British Thermal Units per Hour
CAM	Compliance Assurance Monitoring
CARB	California Air Resources Board
CBAT	Contained Burn Assessment Test
CCR	California Code of Regulations
CEMS	Continuous Emissions Monitoring System
CFR	Code of Federal Regulations
CFM	Cubic Feet per Minute
CO	Carbon Monoxide
CO2	Carbon Dioxide
deg C	Degrees Celsius
deg F	Degrees Fahrenheit
District	Mojave Desert Air Quality Management District (formed July 1993)
EPA	Environmental Protection Agency
EtOH	Ethyl Alcohol
EtOH/H2O	Ethyl alcohol mixed with water
Ex. Order	Executive Order
FOP	Federal Operating Permit
FR	Federal Register
ft	Feet
ft/min	Feet/Minute
gal/min	Gallons per Minute
gpm	Gallons per Minute
g/l	Grams per Liter
gr/L	Grains per Liter
HEPA	High Efficiency Particulate Air
HIVAS	High Velocity Airflow System
HVLP	High Volume Low Pressure
hp	Horsepower
hr	Hour
ICE	Internal Combustion Engine
in	Inch
Km	Kilometer
Kw	Kilowatt

kW	Kilowatt
lb	Pound
lb/gal	Pounds per gallon
lb/sec	Pounds per second
MCBAT	Modified Contained Burn Assessment Test
MDAQMD	Mojave Desert Air Quality Management District (formed July 1993)
MMBtu/hr	Million British Thermal Units per Hour
mm Hg	Millimeters of Mercury (Pressure)
mph	Miles Per Hour
NAWS	Naval Air Weapons Station, China Lake, California
NOx	Oxides of Nitrogen
NO_2	Nitrogen Dioxide
Pb	Lead
PUC	Public Utility Commission
PM_{10}	Particulate matter less than 10 microns aerodynamic diameter
ppmv	Parts Per Million by Volume
ppmvd	Parts Per Million by Volume, Dry
psi	Pounds per Square Inch
psia	Pounds per Square Inch Absolute
psig	Pounds per Square Inch Gage
R&D	Research and Development
RDT&E	Research, Development, Test, and Evaluation
rpm	Revolutions Per Minute
SAE	Society of Automotive Engineers
SCC	Source Classification Code
scfm	Standard Cubic Feet per Minute
SCFM	Standard Cubic Feet per Minute
SIC	Standard Industrial Classification
SIP	State (of California) Implementation Plan
SO2	Sulfur Dioxide
TNT	Trinitrotoluene
USEPA	United States Environmental Protection Agency
USN	United States Navy
UTM	Universal Transverse Mercator
VOC	Volatile Organic Compound(s)
WSL	Weapons Survivability Laboratory
µm	Micrometer (0.000001 meter)
ºC	Degrees Celsius
°F	Degrees Fahrenheit

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D. SIP Rule Citations for Mojave Desert Air Quality Management District Rules

Rules in the SIP for the MDAQMD

Agency	Rule #	Rule Title	Area	Rule Book Version	SIP Version	CFR	FR Date	FR Cite
Old SB	5 (a)	Public Availability of Emissions Data	SBC	None	Bef 02/73	40 CFR 52.2236(e)(4)(i)(A)	12/21/1978	43 FR 59489
RC	51	Nuisance	RC	MD 402, 07/25/1977 via Res. 94-03	Bef 02/72	40 CFR 52.220(c)(21)(xv)(A)	6/14/1978	43 FR 25684
RC	52	Particulate Matter - Concentration	RC	MD 405, 07/25/1977 via Res. 94-03	Bef 06/72	40 CFR 52.220(c)(?)	5/31/1977	
Old SB	52A	Particulate Matter - Concentration	SBC			40 CFR 52.228(b)(1)(iii)(A)	9/8/1978	43 FR 40011
Old SB	53A	Specific Air Contaminants	SBC			40 CFR 52.220.(c)(1-2)	9/22/1972	34 FR 19812
RC	53	Specific Air Contaminants	RC			40 CFR 52.220(c)(39)(ii)(C)	9/8/1978	43 FR 40011
Old SB	53.2	Sulfur Recovery Units	SBC			40 CFR 52.220(c)(39)(iv)(C)	9/8/1978	43 FR 40011
Old SB	53.3	Sulfuric Acid Units	SBC			40 CFR 52.220.(c)(1-2)	9/22/1972	34 FR 19812
RC	54	Solid Particulate Matter, Weight	RC	MD 405, 07/25/1977 via Res. 94-03	Bef 06/72	40 CFR 52.220.(c)(1-2)	9/22/1972	34 FR 19812

Old SB	54A	Solid Particulate Matter, Weight	SBC	MD 405, 07/25/1977	Unknown	40 CFR 52.228(b)(1)(iii)(A)	9/8/1978	43 FR 4011
RC	56	Scavenger Plants	RC	None	G-73	40 CFR 52.240(a)(1)&(d)(1)(i)	1/16/1981	46 FR 3883
RC	58	Disposal of Solid and Liquid Wastes	RC	MD 473, 7/25/77 via Reso 04-03	Bef 06/72	40 CFR 52.220(c)(39)(iv)(C)	9/8/1978	43 FR 40011
Old SB	58 A	Disposal of Solid and Liquid Wastes	SBC	MD 473, 07/25/77	Bef 02/72	40 CFR 52.228(b)(1)(iii)(A)	9/8/1978	43 FR 40011
Old SB	62.1	Sulfur Content of Natural Gas	SBC	None but See MD 431	Bef 02/72	40 CFR 52.240(a)(1) & (d)(1)(i)	1/16/1981	46 FR 3883
Old SB	67	Fuel Burning Equipment	N/A	None but See MD 474 and 476	Bef 02/72	40 CFR 52.240(a)(1) & (d)(1)(i)	1/16/1981	46 FR 3883
RC	67	Fuel Burning Equipment	RC	None but See MD 474 and 476	Bef 11/79	40 CFR 52.280(b)(1)(ii)(C)	6/9/1982	47 FR 25013
Old SB	69	Vacuum Producing Devices or Systems	SBC	Fed Neg Dec. 12/21/1994	Bef 02/72	40 CFR 52.280(c)(1)(i)	5/18/1981	46 FR 27116
Old SB	70	Asphalt Air Blowing	SBC	Fed Neg Dec. 10/26/1994	Bef 02/72	40 CFR 52.240(a)(1) & (d)(1)(i)	1/16/1981	46 FR3886
RC	72	Fuel Burning Equipment	RC	MD 474, 01/22/1996; MD	Bef 11/79	40 CFR 52.240(a)(1) & (d)(1)(i)	1/16/1981	46 FR 3886

				475 03/16/1981; and MD 476 01/22/1996 via Res. 94-03				
RC	73	Lead Content and Volatility of Gasoline	RC	None	G-73	40 CFR 52.280(c)(1)(i)	5/18/1981	46 FR 27116
Old SB	73	Dry Sandblasting	SBC	None	Bef 02/72	40 CFR 52.220(c)(39)(iv)(C)	9/8/1978	43 FR 4001
RC	74	Vacuum Producing Devices or Systems	RC	Fed Neg Dec12/21/1994	Bef 06/72	40 CFR 52.220(C)(27)(v)	6/14/1978	43 FR 25684
SC	101	Title	RC	7/1/1993 via Res. 94-03	Bef 11/77	40 CFR 52.269(b)(3)(ii)(A)		
SB	101	Title	SBC	7/1/1993	12/19/1998	FR Text	6/9/1982	47 FR 25013
MD	102	Definition of Terms	MD			40 CFR 52.220(c)(179)(i)(B)	11/27/1990	55 FR 49281
MD	102	Definition of Terms	MD	9/28/2020	(SIP Sub)	40 CFR 52.220(c)(520)(i)(A)(1)	7/2/2019	84 FR 31682
MD	103	Definition of District Boundaries	MD	6/28/1995	Current			
SB	103	Definition of Terms (Unknown rule - no record except in FR reference)	SBC	None	Bef 11/77	40 CFR 52.220(c)(224)(i)(C)(2)	6/3/1999	64 FR 29790
SC	104	Reporting of Source Data Analysis	RC			40 CFR 52.236(e)(3)(i)	1/16/1981	46 FR 3883
SB	104	Reporting of Source Data Analysis	SB	12/19/1988	Current	FR Text	6/9/1982	47 FR 25013

SC	106	Increments of Progress	RC			40 CFR 52.220(c)(179)(i)(B)(i)		
SB	106	Increments of Progress	SB	12/19/1988	Current	FR Text	6/9/1982	47 FR 25013
MD	107	Certification and Emissions Statements	MD	9/14/1992	Current	40 CFR 52.220(c)(179)(i)(B)(i)	11/27/1990	55 FR 49281
SC	107	Determination of Volatile Organic Compounds in Coating Material	RC		Bef 3/1/82	40 CFR 52.220(c)(190)(i)(F)(1)	5/26/2004	69 FR 29880
SC	108	Alternate Emission Control Plans	RC	None	4/6/1990	40 CFR 52.220(c)(121)(c)(v)(B)	10/11/1983	48 FR 46046
SC	109	Record keeping for Volatile Organic Compound Emissions	RC	None	Bef 09/92	40 CFR 52.220(c)(182)(i)(A)(3)	8/30/1993	58 FR 45445
SB	201	Permit to Construct	SBC	7/25/1977	G-73	40 CFR 52.220(c)(189)(i)(A)(6)	4/13/1995	60 FR 18751
SC	201	Permit to Construct	RC	7/25/1977 via Res. 94-03	G-73	40 CFR 52.220(c)(39)(ii)(B)	11/9/1978	43 FR 52237
SB	202	Temporary Permit to Operate	SBC	7/25/1977	G-73	FR Text	6/9/1982	47 FR 25013
SC	202	Temporary Permit to Operate	RC	7/25/1977 via Res. 94-03	G-73	40 CFR 52.220(c)(39)(ii)(B)	11/9/1978	43 FR 52237
SB	203	Permit to Operate	SBC	7/25/1977	G-73	FR Text	6/9/1982	47 FR 25013
SC	203	Permit to Operate	RC	7/25/1977 via Res. 94-03	G-73	40 CFR 52.220(c)(39)(ii)(B)	11/9/1978	43 FR 52237
SB	204	Permit Conditions	SBC	7/25/1977	G-73	FR Text	6/9/1982	47 FR 25013

SC	204	Permit Conditions	RC	7/25/1977 via Res. 94-03	G-73	40 CFR 52.220(c)(39)(ii)(B)	11/9/1978	43 FR 52237
SB	205	Cancellation of Application	SBC	7/25/1977	G-73	FR Text	6/9/1982	47 FR 25013
SC	205	Cancellation of Application	RC	7/25/1977 via Res. 94-03	G-73	40 CFR 52.220(c)(39)(ii)(B)	11/9/1978	43 FR 52237
SB	206	Posting of Permit to Operate	SBC	7/25/1977	G-73	FR Text	6/9/1982	47 FR 25013
SC	206	Posting of Permit to Operate	RC	7/25/1977 via Res.94-03	G-73	40 CFR 52.220(c)(39)(ii)(B)	11/9/1978	43 FR 52237
SB	207	Altering or Falsifying of Permit	SBC	7/25/1977	G-73	FR Text	6/9/1982	47 FR 25013
SC	207	Altering or Falsifying of Permit	RC	7/25/1977 via Res. 94-03	G-73	40 CFR 52.220(c)(39)(ii)(B)	11/9/1978	43 FR 52237
SB	208	Permit for Open Burning	SBC	7/25/1977	G-73	FR Text	6/9/1982	47 FR 25013
SC	208	Permit for Open Burning	RC	7/25/1977 via Res. 94-03	G-73	40 CFR 52.220(c)(39)(ii)(C)	9/8/1978	43 FR 40011
SB	209	Transfer and Voiding of Permit	SBC	7/25/1977	G-73	FR Text	6/9/1982	47 FR 25013
SC	209	Transfer and Voiding of Permit	RC	7/25/1977 via Res. 94-03	G-73	40 CFR 52.220(c)(39)(ii)(B)	11/9/1978	43 FR 52237
SB	212	Standards for Approving Permits	SBC	7/25/1977	G-73	FR Text	6/9/1982	47 FR 25013
SC	212	Standards for Approving Permits	RC	7/25/1977 via Res. 94-03	5/1/1987	40 CFR 52.220(c)(39)(ii)(B)	11/9/1978	43 FR 52237

SB	212	Standards for Approving Permits	SBC	7/25/1977	G-73	40 CFR 52.220(c)(173)(i)(A)(1)	2/3/1989	54 FR 5448
SB	217	Provision for Sampling and Testing Facilities	SBC	7/25/1977	G-73	40 CFR 52.220(c)(39)(ii)(B)	11/9/1978	43 FR 52237
SC	217	Provision for Sampling and Testing Facilities	RC	7/25/1977 via Res. 94-03	G-73	40 CFR 52.220(c)(39)(ii)(B)	11/9/1978	43 FR 52237
SO	218	Stack Monitoring	SBC	7/25/1977	G-73	FR Text	6/9/1982	47 FR 25013
SC	218	Stack Monitoring	RC	7/25/1977 via Res. 94-03	Bef 10/81	40 CFR 52.220(c)(39)(ii)(C)	9/8/1978	43 FR 40011
SB	219	Equipment Not Requiring a Written Permit	SBC	1/28/2019	G-73	40 CFR 52.220(c)(103)(xviii)(A)	7/6/1982	47 FR 29231
SC	219	Equipment Not Requiring a Written Permit Pursuant to Regulation II	RC	1/28/2019	9/4/1981	40 CFR 52.220(c)(39)(ii)(B)	11/9/1978	43 FR 52237
MD	219	Equipment Not Requiring a Written Permit	MD	1/25/2021	(SIP Sub)	40 CFR 52.220(c)(103)(xviii)(A)	7/6/1982	47 FR 29231
SC	220	Exemtion, Net Increase in Emissions	RC	11/25/1991 via Res. 94-03	8/7/1981		11/25/2022	87 FR 72434
SC	221	Plans	RC	None	1/4/1985	40 CFR 52.220(c)(103)(xviii)(A)	7/6/1982	47 FR 29231
MD	221	Federal Operating Permit Requirement	MD	2/28/2011	2/21/1994	40 CFR 52.220(c)(165)(i)(B)(1)	4/17/1987	52 FR 12522
MD	221	Federal Operating Permit Requirement	MD	2/28/2011	(SIP Sub)	40 CFR 52.220(c)(216)(i)(A)(2)	2/5/1996	61 FR 4217
MD	222	Limitation on Potential to Emit	MD	2/28/2011	7/31/1995			
MD	222	Limitation on Potential to Emit	MD	2/28/2011	(SIP Sub)	40 CFR 52.220(c)(225)(i)(H)(1)	8/31/2004	69 FR 53005
SC	301.2	Fee Schedules	RC	None	6/3/1983			

MD	315	Federal Clean Air Act Section 185 Penalty	MD	2/23/2023	(SIP Sub)	40 CFR 52.220(c)(137)(vii)(B)	10/19/1984	49 FR 41028
MD	315.1	Federal Clean Air Act Section 185 Penalty (1997 Standard)	MD	2/28/2011	(SIP Sub)			
MD	315.2	Federal Clean Air Act Section 185 Penalty (2008 Standard)	MD	2/28/2011	(SIP Sub)			
SC	401	Visible Emissions	RC		3/2/1984			
MD	401	Visible Emissions	MD	8/26/2019	(SIP Sub)	40 CFR 52.220(c)(155)(iv)(B)	1/29/1985	50 FR 3906
SB	403	Fugitive Dust	SBC		G-73			
SC	403	Fugitive Dust	RC			40 CFR 52.220(c)(39)(ii)(B)	9/8/1978	43 FR 40011
MD	403	Fugitive Dust	MD	9/28/2020		FR Text	6/9/1982	47 FR 25013
MD	403.1	Respirable Particulate Matter in SVPA	MD		11/25/1996			
SB	404	Particulate Matter, Concentration	SB	7/25/1977	7/25/1977	40 CFR 52.220(c)(224)(i)(C)(2)	8/13/2009	74 FR 40750
SC	404	Particulate Matter, Concentration	RC	7/25/1977 via Res. 94-03	10/5/1979	40 CFR 52.220(c)(42)(xiii)(A)	12/21/1978	43 FR 52482
SC	404	Particulate Matter, Concentration	RC	7/25/1977 via Res. 94-03	10/5/1979	FR Text	6/9/1982	47 FR 25013
MD	404	Particulate Matter - Concentration	MD	2/28/2022	(SIP Sub)	40 CFR 52.220(c)(137)(vii)(B)	10/19/1984	49 FR 41028
SB	405	Solid Particulate Matter, Weight	SB	7/25/1997	7/25/1977			
SC	405	Solid Particulate Matter, Weight	RC	7/25/1977 via Res. 94-03	5/7/1976	40 CFR 52.220(c)(42)(xiii)(A)	12/21/1978	43 FR 59489

MD	405	Solid Particulate Matter, Weight	MD	2/28/2022	(SIP Sub)	FR Text	6/9/1982	47 FR 25013
MD	406	Specific Contaminants	RC	2/20/1979 via Res. 94-03	RC Rule 53			
SB	406	Specific Contaminants	SBC	2/20/1979	7/25/1977			
MD	406	Specific Contaminants	MD	3/28/2022	(SIP Sub)	40 CFR 52.220(c)(42)(xiii)(A)	12/21/1978	43 FR 59489
SB	407	Liquid and Gaseous Air Contaminants	SBC	7/25/1977	G-73			
SC	407	Liquid and Gaseous Air Contaminants	RC	7/25/1977 via Res. 94-03	4/2/1982	40 CFR 52.220(c)(39)(ii)(C)	9/8/1978	43 FR 40011
MD	407	Liquid and Gaseous Air Contaminants	MD	3/28/2022	(SIP Sub)	40 CFR 52.220(c)(124)(iv)(A)	11/10/1982	47 FR 50864
SB	408	Circumvention	SBC	7/25/1977	G-73			
SC	408	Circumvention	RC	7/25/1977 via Res. 94-03	G-73	40 CFR 52.220(c)(39)(ii)(C)	9/8/1978	43 FR 40011
MD	408	Circumvention	MD	4/25/2022	(SIP Sub)	FR Text	6/9/1982	47 FR 25013
SB	409	Combustion Contaminants	SBC	7/25/1977	G-73			
SC	409	Combustion Contaminants	RC	7/25/1977 via Res. 94-03	8/7/1981	40 CFR 52.220(c)(39)(ii)(C)	9/8/1978	43 FR 40011
MD	409	Combustion Contaminants	MD	4/25/2022	(SIP Sub)	40 CFR 52.220(c)(103)(xviii)(A)	7/6/1982	47 FR 29231
SB	431	Sulfur Content of Fuels	SB	7/25/1977	G-73			
MD	431	Sulfur Content of Fuels	MD	9/28/2020	(SIP Sub)	40 CFR 52.220(c)(39)(ii)(B)	9/8/1978	43 FR 40011
SC	431.1	Sulfur Content of Gaseous Fuels	RC	See MD 431	5/6/1983			

SC	431.2	Sulfur Content of Liquid Fuels	RC	See MD 431	Bef 8/80	40 CFR 52.220(c)(137)(vii)(B)	10/19/1984	49 FR 41028
SC	431.3	Sulfur Content of fossil Fuels	RC	See MD 431	Bef 8/80	FR Text	6/9/1982	47 FR 25013
SB	432	Gasoline Specifications	SBC	7/25/1977	G-73	FR Text	6/9/1982	47 FR 25013
SC	432	Gasoline Specifications	RC	7/25/1977 via Res. 94-03	G-73	40 CFR 52.220(c)(39)(ii)(B)	9/8/1978	43 FR 40011
MD	432	Gasoline Specifications	MD	4/25/2022	(SIP Sub)	FR Text	6/9/1982	47 FR 25013
MD	442	Usage of Solvents	MD	2/27/2006	Current			
SB	443	Labeling of Solvents	SB			40 CFR 52.220(c)(347)(i)(C)(1)	9/17/2007	72 FR 52791
SC	443	Labeling of Solvents	RC	7/25/1977 via Res. 94-03	G-73	40 CFR 52.220(c)(39)(ii)(C)	9/8/1978	43 FR 40011
MD	444	Open Fires	MD	9/25/2006	Current	FR Text	6/9/1982	47 FR 25013
MD	461	Gasoline Transfer and Dispensing	MD			40 CFR 52.220(c)(350)(B)(1)	10/31/2007	72 FR 61525
MD	461	Gasoline Transfer and Dispensing	MD	1/22/2018	Current	40 CFR 52.220(c)(198)(i)(E)(1)	5/3/1995	60 FR 21702
MD	462	Organic Liquid Loading	MD	1/22/2018	Current	40 CFR 52.220(c)(518)(i)(A)(3)	5/1/2020	85 FR 25293
MD	463	Storage of Organic Liquids	MD	1/22/2018	Current	40 CFR 52.220(c)(518)(i)(A)(4)	5/1/2020	85 FR 25293
MD	464	Oil Water Separators	MD	6/12/2014	Current	40 CFR 52.220(c)(518)(i)(A)(5)	5/1/2020	85 FR 25293
SC	465	Vacuum Producing Devices orSystems	RC	Rescinded & Fed. Neg. Dec	Bef 5/91	40 CFR 52.220(c)(457)(i)(B)(1)	6/5/2015	80 FR 32026

				12/21/1994				
MD	465	Vacuum Producing Devices or Systems (Rescinded)	MD	Rescinded & Fed. Neg. Dec 12/21/1994	Not SIP	40 CFR 52.220(c)(184)(i)(B)(2)	8/11/1992	57 FR 35759
SC	466	Pumps and Compressors	RC	Rescinded & See 1102 10/26/94	Bef 12/83	40 CFR 52.222(a)(1)(iii)	9/11/1995	60 FR 47074
MD	466	Pumps and Compressors (Rescinded)	MD	Rescinded & See 1102 10/26/94	Not SIP	40 CFR 52.220(c)(166)(i)(A)(1)	1/15/1987	52 FR 1627
SC	466.1	Valves and Flanges	RC	None	5/2/1980	40 CFR 52.220(c)(39)(ii)(G)	8/19/1999	64 FR 45175
SB	468	Sulfur Recovery Units	SBC	7/25/1977	G-73	FR Text	6/9/1982	47 FR 25013
SC	468	Sulfur Recovery Units	RC	7/25/1977 via Res. 94-03	G-73	40 CFR 52.220(c)(39)(ii)(C)	9/8/1978	43 FR 40011
MD	468	Sulfur Recovery Units	MD	8/22/2022	(SIP Sub)	FR Text	6/9/1982	47 FR 25013
SB	469	Sulfuric Acid Units	SB	7/25/1977	G-73			
SC	469	Sulfuric Acid Units	RC	7/25/1977 via Res. 94-03	G-73	40 CFR 52.220(c)(39)(ii)(C)	9/8/1978	43 FR 40011
MD	469	Sulfuric Acid Units	MD	8/22/2022	(SIP Sub)	FR Text	6/9/1982	47 FR 25013
SC	470	Asphalt Air Blowing	RC	N/A	G-73			
MD	471	Asphalt Roofing Operations		12/21/1994	Current	FR Text	6/9/1982	47 FR 25013

SB	472	Reduction of Animal Matter	SBC	7/21/1977	G-73	40 CFR 52.220(c)(210)(i)(C)(2)	2/29/1996	61 FR 7706
SC	472	Reduction of Animal Matter	RC	7/25/1977 via Res. 94-03	G-73	40 CFR 52.220(c)(39)(ii)(C)	9/8/1978	43 FR 40011
MD	472	Reduction of Animal Matter	MD	7/21/2022	(SIP Sub)	FR Text	6/9/1982	47 FR 25013
SB	473	Disposal of Liquid and Solid Wastes	SB	7/25/1977	G-73			
MD	473	Disposal of Liquid and Solid Wastes	MD	TBD	(SIP Sub)	40 CFR 52.220(c)(39(ii)(C)	9/8/1978	43 FR 40011
MD	474	Fuel Burning Equipment - Oxides of Nitrogen	MD	8/25 1997	Current			
MD	475	Electric Power Generating Equipment	MD	8/25/1997	Current	40 CFR 52.220(c)(254)(i)(H)(1)	1/11/1999	64 FR 1517
MD	476	Steam Generating Equipment	MD	8/25/1997	Current	40 CFR 52.220(c)(254)(i)(H)(1)	1/11/1999	64 FR 1517
SB	480	Natural Gas Fired Control Devices	SBC	2/20/1979	Current	40 CFR 52.220(c)(254)(i)(H)(1)	1/11/1999	64 FR 1517
MD	480	Natural Gas Fired Control Devices (Rescinded)	MD	9/26/2022	(SIP Sub)	40 CFR 52.220(c)(51)(xii)(A)	1/27/1981	46 FR 8471
SC	481	Spray Coating Operations	RC	1113, 1114, 1115 & 1116	5/5/1978			
SC	501	General	RC	6/10/2019	Bef 8/80	FR Text	6/9/1982	47 FR 25013
MD	701	Emergencies (Consolidation of Reg VII)	MD	9/26/2022	(SIP Sub)	FR Text	6/9/1982	47 FR 25013
MD	900	Standards of Performance for New Stationary Sources	MD	1/24/2022	Delegated			

MD	1000	National emissions Standards fro Hazardous Air Pollutants	MD	1/24/2022	Delegated			
SC	1101	Secondary Lead Smelters/Sulfur Oxides (SC Adopted 10/7/77)	RC	None	4/4/1980			
SC	1102	Petroleum Solvent Dry Cleaners (SC Amended 12/7/90)	RC	None	12/7/1990	FR Text	6/9/1982	47 FR 25013
MD	1102	Fugitive Emissions of VOC's from Components at Pipeline Transfer Stations	MD	10/26/1994	Current	40 CFR 52.220(c)(184)(i)(B)(1)	3/24/1992	57 FR 10136
SC	1102	Perchloroethylene Dry Cleaning Systems	RC	None	12/7/1990	40 CFR 52.220(c)(207)(i)(D)	9/27/1995	60 FR 49772
SC	1103	Pharmaceuticals and Cosmetics Manufacturing Operation	RC	None	4/6/1980	40 CFR 52.220(c)(184)(i)(B)(1)	3/24/1992	57 FR 10136
MD	1103	Cutback and Emulsified Asphalt	MD	12/21/1994	Current	40 CFR 52.220(c)(69)(iii)	7/8/1982	47 FR 29668
SC	1104	Wood Flat Stock Coating Operations (SC Amended 8/2/91)	RC	None	3/1/1991	40 CFR 52.220(c)(207)(i)(C)(1)	2/5/1996	61 FR 4215
MD	1104	Organic Solvent Degreasing Operations	MD	4/23/2018	Current	40 CFR 52.220(c)(186)(i)(C)(1)	6/23/1994	59 FR 32354
SC	1105	Fluid Catalytic Cracking Units Oxides of Sulfur (SC Adopted 9/8/84)	RC	None	9/8/1984	40 CFR 52.220(c)(519)(i)(A)(1)	7/2/2019	84 FR 31682
MD	1106	Marine & Pleasure Craft Coating Operations	MD	10/24/2016	Current	40 CFR 52.220(c)(159)(v)(C)	7/12/1990	55 FR 28625
SC	1107	Miscellaneous Metal Parts, Products and Coatings Operations.	RC	None	9/6/1991	40 CFR 52.220(c)(498)(i)(B)(1)	2/12/2018	83 FR 5940

SC	1108	Cutback Asphalt	RC	None	2/1/1985	40 CFR 52.220(c)(193)(i)(A)(1)	12/20/1993	58 FR 66285
SC	1108	Elmusified Asphalt	RC	None	Bef 3/84	40 CFR 52.220(c)(160)(i)(E)(1)	7/12/1990	55 FR 28624
SC	1110	Emissions from Stationary Internal Combustion Engines.	RC	None	Bef 3/82	40 CFR 52.220(c)(153)(vii)(A)	1/24/1985	50 FR 3339
SC	1111	NOx Emissions from Natural Gas Fired, Fan Type Central Furnaces	RC	None	Bef 10/83	40 CFR 52.220(c)(121)(i)(C)	5/3/1984	47 FR 18822
SC	1112	Emissions of Oxides of Nitrogen from Cement Kilns	RC	None	1/6/1984	40 CFR 52.220(c)(148)(vi)(A)	5/3/1984	49 FR 18830
SC	1113	Architectural Coatings	RC		Bef 7/84	40 CFR 52.220(c)(154)(vii)(B)	1/7/1986	51 FR 600
MD	1113	Architectural Coatings	MD	4/23/2012	4/23/2012	40 CFR 52.220(c)(155)(iv)(A)	1/24/1985	50 FR 3339
MD	1113	Architectural Coatings	MD	10/26/2020	(SIP Sub)	40 CFR 52.220(c)(428)(i)(C)(1)	1/3/2014	79 FR 365
MD	1114	Wood Products Coating Operations	MD	8/24/2020	Current			
SC	1115	Motor Vehicle Assembly and Component Coating Operations	RC	None	3/6/1992	40 CFR 52.220(c)(558)(i)(a)(1)	7/28/2021	86 FR 40335
MD	1115	Metal Parts & Products Coating Operations	MD	6/8/2020	Current	40 CFR 52.220(c)(189)(i)(A)(1)	12/20/1993	58 FR 66282
MD	1116	Automative Refinishing Operations	MD	8/23/2010	Current	40 CFR 52.220(c)(571)(i)(A)(1)	5/9/2022	87 FR 27526
SC	1117	Emissions of Oxides of Nitrogen from Glass Melting Furnaces	RC	None	SC 1/6/1984	40 CFR 52.220(c)(388)(i)(F)(1)	8/19/2012	77 FR 47536
MD	1117	Graphic Arts	MD			40 CFR 52.220(c)(159)(v)(D)	7/12/1990	55 FR 28624

MD	1117	Graphic Arts	MD	8/24/2020	(SIP Sub)	40 CFR 52.220(c)(381)(i)(H)(1)	3/1/2012	77 FR 12495
MD	1118	Aerospace Vehicle Parts & Products Coating Operations	MD					
MD	1118	Aerospace Assembly, Reqork and Component Manufacturing Operations	MD	6/8/2020	(SIP Sub)	40 CFR 52.220(c)(485)(i)(B)(1)	6/21/2017	82 FR 28240
SC	1119	Petroleum Coke Calcining Operations Oxides of Sulfur	RC	None	3/2/1979			
SC	1120	Asphalt Pavement Heaters	RC	None	8/4/1978	40 CFR 52.220(c)(88)(iii)(A)	9/28/1981	46 FR 47451
SC	1121	Control of Nitrogen Oxides from Residential Type Natural Gas Fired Water Heaters	RC	None	12/1/1978	40 CFR 52.220(c)(65)(ii)	9/28/1981	46 FR 47451
SC	1122	Solvent Metal Cleaners (Degreasers)	RC	None	7/8/1983	40 CFR 52.220(c)(67)(i)(B)	9/28/1981	46 FR 47451
SC	1123	Refinery Process Turnaround	RC	None	SC 12/7/1990	40 CFR 52.220(c)(148)(vi)(B)	10/3/1984	49 FR 39057
SC	1124	Aerospace Assembly and Component Coating Operations	RC	None	1/6/1984	40 CFR 52.220(c)(184)(i)(B)(2)	8/11/1992	57 FR 35758
SC	1125	Metal Container, Closure and Coil Coating Operations	RC	None	SC 8/2/1991	40 CFR 52.220(c)(154)(vii)(A)	1/24/1985	50 FR 3339
SC	1126	Magnet Wire Coating Operations	RC	None	SC 3/6/1992	40 CFR 52.220(c)(189)(i)(A)(4)	4/14/1994	59 FR 17898
MD	1126	Municipal Solid Waste Landfills	MD	8/28/2000	Not SIP	40 CFR 52.220(c)(189)(i)(A)(2)	12/20/1993	58 FR 66286

SC	1128	Paper, Fabric and Film Coating Operations	RC	None	SC 2/7/1992	40 CFR 60.23		
SC	1130	Graphic Arts	RC	None	Bef 5/1993	40 CFR 52.220(c)(189)(i)(A)(3)	12/20/1993	58 FR 66287
SC	1136	Wood Furniture and Cabinet Coatings	RC	None	Bef 5/92	40 CFR 52.220(c)(193)(i)(A)(2)	4/14/1994	59 FR 17698
SC	1140	Abrasive Blasting	RC		2/1/1980	40 CFR 52.220(c)(189)(i)(A)(4)	4/14/1994	59 FR 17698
SC	1141	Control of Volatile Organic Compound Emissions from Resin Manufacturing	RC	None	SC 4/3/1992	40 CFR 52.220(c)(67)(i)(B)	9/28/1981	46 FR 47451
SC	1141	Coatings and Ink Manufacturing	RC	None	11/4/1983	40 CFR 52.220(c)(189)(i)(A)(3)	12/20/1993	58 FR 66286
SC	1141	Surfactant Manufacturing	RC	None	SC 7/6/1984	40 CFR 52.220(c)(153)(vii)(B)	1/24/1985	50 FR 3339
SC	1142	Marine Tank Vessel Operations	RC	None		40 CFR 52.220(c)(156)(vii)(A)	1/15/1987	52 FR 1627
SC	1145	Plastic, Rubber and Glass Coatings	RC	None	SC 1/10/1992	40 CFR 52.220(c)(187)(i)(C)(1)		
SC	1148	Thermally Enhanced Oil Recovery Wells	RC	None	Bef 10/1983	40 CFR 52.220(c)(191)(i)(A)(1)	12/20/1993	58 FR 66286
SC	1151	Motor Vehicle and Mobile Equipment Non-Assembly Line Coating Operations	RC	None	Bef 5/13/1993	40 CFR 52.220(c)(148)(vi)(B)	??	??
SC	1153	Commercial Bakery Ovens	RC	None	SC 1/4/1991	40 CFR 52.220(c)(193)(i)(A)(1)	12/20/1993	58 FR 66286
MD	1157	Boilers and Process Heaters	MD	1/22/2018	5/19/1997	40 CFR 52.220(c)(184)(i)(B)(3)	9/29/1993	58 FR 50850
MD	1157	Boilers and Process Heaters	MD	1/22/2018	(SIP Sub)	40 CFR 52.220(c)(248)(i)(D)	4/20/1999	64 FR 19277

SC	1158	Storage, Handling and Transport of Petroleum Coke	RC	None	SC Bef 5/93			
MD	1158	Electric Power Generating Facilities	MD	6/26/2017	8/25/1997	40 CFR 52.220(c)(153)(vii)(B)	1/15/1987	52 FR 1627
MD	1158	Electric Power Generating Facilities	MD	6/26/2017	Withdraw an	40 CFR 52.220(c)(254)(i)(H)(2)	7/20/1999	64 FR 38832
SC	1159	Nitric Acid Units - Oxides of Nitrogen	RC	None	SC 12/6/1985			
MD	1159	Stationary Gas Turbines	MD	9/28/2009	Current	40 CFR 52.220(c)(168)(I)(H)	7/12/1990	55 FR 28622
MD	1160	Internal Combustion Engines	MD		1/22/2018	40 CFR 52.220(c)(379)(i)(E)(1)	10/25/2012	77 FR 65133
MD	1160	Internal Combustion Engines	MD	1/23/2023	(SIP Sub)	40 CFR 52.220(c)(518)(i)(A)(7)	9/10/2021	86 FR 50643
MD	1161	Portland Cement Kilns	MD	1/22/2018	3/25/2002			
MD	1161	Portland Cement Kilns	MD	1/22/2018	Current	40 CFR 52.220(c)(300)(i)(A)(1)	2/27/2003	68 FR 9015
MD	1162	Polyester Resin Operations	MD	1/22/2018	8/27/2007	40 CFR 52.220(c)(518)(i)(A)(9)	6/2/2023	88 FR 36249
MD	1162	Polyester Resin Operations	MD	1/22/2018	Current	40 CFR 52.220(c)(354)(i)(B)(1)	11/24/2008	73 FR 70883
SC	1164	Semiconductor Manufacturing Operations	RC	None	Bef 10/1993	40 CFR 52.220(c)(519)(i)(A)(1)	2/27/2020	85 FR 11812
MD	1165	Glass Melting Furnaces	MD	8/12/2008	Current		10/26/1993	58 FR 48459
MD	1168	Adhesive & Sealant Applications	MD	4/27/2020	(SIP Sub)	40 CFR 52.220(c)(364)(i)(D)(1)	7/2/2012	77FR 39181
SC	1171	Solvent Cleaning	RC	None	SC 8/2/1991			

SC	1175	Control of Emissions from the Manufacture of Polymeric Cellular (Foam) Products	RC		1/5/1990	40 CFR 52.220(c)(188)(i)(C)(1)	12/20/1993	58 FR66285
SC	1176	Sumps and Wastewater Separators	RC	1/5/1990	1/5/1990	40 CFR 52.220(c)(182)(i)(A)(1)	10/26/1992	57 FR 48457
MD	1200	General (Federal Operating Permit)	MD	2/28/2011		40 CFR 52.220(c)(182)(i)(A)(1)	10/26/1992	57 FR 48459
MD	1201	Definitions (Federal Operating Permit)	MD	9/26/2005				
MD	1202	Applications	MD	9/26/2005				
MD	1203	Federal Operating Permits (Federal Operating Permit)	MD	9/26/2005				
MD	1205	Modifications of Federal Operating Permits (Federal Operating Permit)	MD	9/26/2005				
MD	1206	Reopening, Reissuance and Termination of Federal Operating Permits (Federal Operating Permit)	MD	9/26/2005				
MD	1207	Notice and Comment (Federal Operating Permit)	MD	9/26/2005				
MD	1208	Certification (Federal Operating Permit)	MD	9/26/2005				
MD	1209	Appeals (Federal Operating Permit)	MD	9/26/2005				
MD	1210	Acid Rain Provisions of Federal Operating	MD	9/26/2005				

		Permits (Federal Operating Permit)						
MD	1211	Greenhouse Gas Provisions of Federal Operating Permits (Federal Operating Permit)	MD	2/28/2011				
MD	1300	General	MD		3/25/1996			
MD	1300	General	MD	3/22/2021	(SIP Sub)	40 CFR 52.220(c)(239)(i)(A)(1)	11/13/1996	61 FR 58133
MD	1301	Definitions	MD		3/25/1996		11/25/2022	87 FR 72434
MD	1301	Definitions	MD	3/22/2021	(SIP Sub)	40 CFR 52.220(c)(239)(i)(A)(1)	11/13/1996	61 FR 58133
MD	1302	Procedure	MD		3/25/1996		11/25/2022	87 FR 72434
MD	1302	Procedure	MD	3/22/2021	(SIP Sub)	40 CFR 52.220(c)(239)(i)(A)(1)	11/13/1996	61 FR 58133
MD	1303	Requirements	MD		3/25/1996		11/25/2022	87 FR 72434
MD	1303	Requirements	MD	3/22/2021	(SIP Sub)	40 CFR 52.220(c)(239)(i)(A)(1)	11/13/1996	61 FR 58133
MD	1304	Emissions Calculations	MD		3/25/1996		11/25/2022	87 FR 72434
MD	1303	Emissions Calculations	MD	3/22/2021	(SIP Sub)	40 CFR 52.220(c)(239)(i)(A)(1)	11/13/1996	61 FR 58133
MD	1305	Emissions Offsets	MD		3/25/1996		11/25/2022	87 FR 72434
MD	1305	Emissions Offsets	MD	3/22/2021	(SIP Sub)	40 CFR 52.220(c)(239)(i)(A)(1)	11/13/1996	61 FR 58133
MD	1306	Electric Energy Generating Facilities	MD		3/25/1996		11/25/2022	87 FR 72434

MD	1306	Electric Energy Generating Facilities	MD	3/22/2021	(SIP Sub)	40 CFR 52.220(c)(239)(i)(A)(1)	11/13/1996	61 FR 58133
MD	1310	Federal Major Facilities and Federal Major Modifications	MD	Rescinded 3/22/21	(SIP Sub)		11/25/2022	87 FR 72434
MD	1400	General (Emission Reduction Credits)	MD	6/28/1995	Current			
MD	1401	Definitions (Emissions Reduction Credits)	MD	6/28/1995	Current	40 CFR 52.220(c)(224)(i)(C)	1/22/1997	62 FR 3215
MD	1402	Emission Reduction Credits Registry	MD		6/28/1995	40 CFR 52.220(c)(224)(i)(C)	1/22/1997	62 FR 3215
MD	1402	Emission Reduction Credist Registry	MD	5/19/1997	(SIP Sub)	40 CFR 52.220(c)(224)(i)(C)	1/22/1997	62 FR 3215
MD	1404	Emission Reduction Credit Calculations	MD	6/28/1995	Current		11/25/2022	87 FR 72434
MD	1520	Control of Toxic Air Contaminants From Existing Sources	MD	3/25/2019	(SIP Sub)	40 CFR 52.220(c)(224)(i)(C)	1/22/1997	62 FR 3215
MD	1600	Prevention of Significant Deterioration	MD	3/22/2021	(SIP Sub)			
MD	2001	Transportation Conformity	MD	2/22/1995	??			
MD	2002	General Federal Actions Conformity	MD	10/26/1994	Current			
MD	FND	Fed. Neg. Dec. - Asphalt Air Blowing	MD		Current	40 CFR 52.220(c)(231)(i)(C)(1)	4/23/1999	64 FR 19916
MD	FND	Fed. Neg. Dec. - Air Oxidation Process - SOCMI	MD	1/22/2007	Current	40 CFR 52.222(a)(1)(ii)	9/11/1995	60 FR 47074
MD	FND	Fed. Neg. Dec. - Chemical Processing & Manufacturing	RC	5/25/1994 via Res. 94-03	Unknown	40 CFR 52.222(a)(1)(v)	5/20/2011	76 FR 29153

MD	FND	Fed. Neg. Dec. - Chemical Processing & Manufacturing	SBC	5/25/1994	Current			
MD	FND	Fed. Neg. Dec. - Equipment Leaks from Natural Gas/Gasoline Processing Plants	MD	1/22/2007	Current		1/31/1995	60 FR 38
MD	FND	Fed. Neg. Dec. - Fugitive Emissions From Syntehetic Organic chemical Polymer and Resin manufacturing Equipment	MD	8/23/2010	Current	40 CFR 52.222(a)(1)(v)	5/20/2011	76 FR 29153
MD	FND	Fed. Neg. Dec. - Industrial Wastewater	MD		Current	40 CFR 52.222(a)(1)(vi)	5/20/2011	76 FR 29153
MD	FND	Fed. Neg. Dec. - Large Petroleum Dry Cleaners	MD	1/22/2007	Current	40 CFR 52.222(A)(1)(iv)	11/1/1996	61 FR 56474
MD	FND	Fed. Neg. Dec. - Leaks from Petroleum Refinery Equipment	MD	1/22/2007	Current	40 CFR 52.222(a)(1)(v)	5/20/2011	76 FR 29153
MD	FND	Fed. Neg. Dec. - Manufacture of High-Density Polyethylene, Polypropylene, and Polystyrene Resins	MD	8/23/2010	Current	40 CFR 52.222(a)(1)(v)	5/20/2011	76 FR 29153
MD	FND	Fed. Neg. Dec. - Natural Gas/Gasoline Processing Equipment	RC	5/25/1994 via Res. 94-03	Unknown	40 CFR 52.222(a)(1)(vi)	5/20/2011	76 FR 29153
MD	FND	Fed. Neg. Dec. - Natural Gas/Gasoline Processing Equipment	SBC	5/25/1994	Current			
MD	FND	Fed. Neg. Dec. - Offset Lithography	MD		Current	40 CFR 52.222(a)(1)(i)	1/31/1995	60 FR 38

MD	FND	Fed. Neg. Dec. - Orchard & Citrus Heaters	MD	6/24/1996	??	40 CFR 52.222(A)(1)(iv)	11/1/1996	61 FR 56474
MD	FND	Fed. Neg. Dec. - Petroleum Refinery Equipment	MD	8/23/2010	Current			
MD	FND	Fed. Neg. Dec. - Plastic Parts Coating (Business Machines)	MD		Current	40 CFR 52.222(a)(1)(vi)	5/20/2011	76 FR 29153
MD	FND	Fed. Neg. Dec. - Plastic Parts Coating (other)	MD		Current	40 CFR 52.222(A)(1)(iv)	11/1/1996	61 FR 56474
MD	FND	Fed. Neg. Dec. - Pheumatic Rubber Tire Manufacturing	MD	1/22/2007	Current	40 CFR 52.222(A)(1)(iv)	11/1/1996	61 FR 56474
MD	FND	Fed. Neg. Dec - Polymer Manufacturing SOCMI and Polymer manufacturing Equipment Leaks	MD	1/22/2007	Current	40 CFR 52.222(a)(1)(v)	5/20/2011	76 FR 29153
MD	FND	Fed. Neg. Dec. - Process Unit Turnarounds	MD	1/22/2007	Current	40 CFR 52.222(a)(1)(v)	5/20/2011	76 FR 29153
MD	FND	Fed. Neg. Dec. - Reactor Processes and Distillation Operations in SOCMI	MD	1/22/2007	Current	40 CFR 52.222(a)(1)(v)	5/20/2011	76 FR 29153
MD	FND	Fed. Neg. Dec. - Ship Building	MD		Current	40 CFR 52.222(a)(1)(v)	5/20/2011	76 FR 29153
MD	FND	Fed. Neg. Dec. - Surface Coating of Cans	MD	1/22/2007	Current	40 CFR 52.222(A)(1)(iv)	11/1/1996	61 FR 56474
MD	FND	Fed. Neg. Dec. - Surface Coating of Coils	MD	1/22/2007	Current	40 CFR 52.222(a)(1)(v)	5/20/2011	76 FR 29153
MD	FND	Fed. Neg. Dec. - Surface Coating of Fabrics	MD	1/22/2007	Current	40 CFR 52.222(a)(1)(v)	5/20/2011	76 FR 29153

MD	FND	Fed. Neg. Dec. - Surface Coating of Large Appliances	MD	1/22/2007	Current	40 CFR 52.222(a)(1)(v)	5/20/2011	76 FR 29153
MD	FND	Fed. Neg. Dec. - Surface Coating of Magnet Wire	MD	1/22/2007	Current	40 CFR 52.222(a)(1)(v)	5/20/2011	76 FR 29153
MD	FND	Fed Neg. Dec. - Surface Coating Operations at Automotive and Light Duty Truck Assembly Plants	MD	1/22/2007	Current	40 CFR 52.222(a)(1)(v)	5/20/2011	76 FR 29153
MD	FND	Fed. Neg. Dec. - Synthesized Pharmaceutical Products	MD	1/22/2007	Current	40 CFR 52.222(a)(1)(v)	5/20/2011	76 FR 29153
MD	FND	Fed. Neg. Dec. - Synthetic Organic Chemical Manufacturing Batch Processing	MD		Current	40 CFR 52.222(a)(1)(v)	5/20/2011	76 FR 29153
MD	FND	Fed. Neg. Dec. - Synthetic Organic Chemical Manufacturing Industry	MD		Current	40 CFR 52.222(a)(1)(iv)	11/1/1996	61 FR 56474
MD	FND	Fed. Neg. Dec. - Synthetic Organic Chemical Manufacturing Reactors	MD		Current	40 CFR 52.222(a)(1)(iv)	11/1/1996	61 FR 56474
MD	FND	Fed. Neg. Dec. - Synthetic Organic Chemical Polymer and Resin Manufacturing	MD	1/22/2007	Current	40 CFR 52.222(A)(1)(iv)	11/1/1996	61 FR 56474
MD	FND	Fed. Neg. Dec. - Vacuum Producing Devices	MD	1/22/2007	Current	40 CFR 52.222(a)(1)(v)	5/20/2011	76 FR 29153

MD	FND	Fed Neg. Dec - 2 CTGs for Miscellaneous Metal and Plastic Parts Coatings, Table 3—Plastic Parts and Products, and Table 4—Automotive/Transportation and Business Machine Plastic Parts	MD	4/23/2018	Current	40 CFR 52.222(a)(1)(v)	5/20/2011	76 FR 29153
MD	FND	Fed Neg Dec - 1 CTG for Miscellaneous Metal and Plastic Parts Coatings (EPA–453/R–08–003), Table 6—Motor Vehicle Materials.	MD	10/22/2018	Current	40 CFR 52.220(c)(519)(ii)(A)(1) and 52.222(a)(1)(viii)	2/27/2020	85 FR 11812
MD	Title V	Program - Federal Operation Permits: Title V	MD			40 CFR 52.220(c)(531)(ii)(A)(1) and 52.222(a)(1)(ix)	2/27/2020	85 FR 11812
MD	Title V	Program - Federal Operation Permits: Title V	MD		Unknown	40 CFR 70 Apx. A California (q)(2)	12/17/2001	66 FR 63503

MD	MACT	MACT Delegation (Sections A, F, G, H, I, J, L, M, N, O, Q, R, S, T, U, W, X, Y, AA, BB, CC, DD, EE, GG, HH, II, JJ KK, LL, MM, OO, PP, QQ, RR, SS, TT, UU, VV, WW, XX, YY, CCC, DDD, EEE, GGG, HHH, III, JJJ, LLL, MMM, NNN, OOO, PPP, QQQ, RRR, TTT, UUU, VVV, XXX, AAAA, CCCC, DDDD, EEEE, FFFF, GGGG, HHHH, IIII, JJJJ, KKKK, MMMM, NNNN, OOOO, PPPP, QQQQ, RRRR, SSSS, TTTT,UUUU, VVVV, WWWW, XXXX, YYYY, ZZZZ,AAAAA, BBBBB, CCCCC, DDDDD, EEEEE, FFFFF, GGGGG,HHHHH, IIIII, JJJJJ, KKKKK, LLLLL, MMMMM, NNNNN,PPPPP,QQQQQ, RRRRR, SSSSS,TTTTT,WWWW W,YYYYY, ZZZZZ, BBBBBB, CCCCCC, DDDDDD, EEEEEE, FFFFFF, GGGGGG,	MD	Rule 1000 1/24/2022	Current	40 CFR 70 Apx. A California (q)(3)	10/15/2002	67 FR 63551

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		HHHHHH, JJJJJJ, LLLLLL, MMMMMM, NNNNNN, OOOOOO, PPPPPP, QQQQQQ, RRRRRR, SSSSSS, TTTTTT, VVVVVV, WWWWWW, XXXXXX, YYYYYY, ZZZZZZ, AAAAAAA, BBBBBBB, CCCCCCC, DDDDDDD, EEEEEEE.						
MD	NESHAP	NESHAPS Delegation (Sections A, C, D, E and M)	SB	Rule 1000 1/24/2022	N/A			
MD	NSPS	NSPS Delegation (Sections A, D, Da, Db, Dc, E, Ea, Eb, Ec, F, G, H, I, J, Ja, K, Ka, Kb, L, M, N, Na, O, P, Q, R, S, T, U, V, W, X, Y, Z, AA, AAa, BB, CC, DD, EE, GG, HH, KK, LL, MM, NN, PP, QQ, RR, SS, TT, UU, VV, VVa, WW, AAA, BBB, DDD, FFF,GGG,GGGa, III, JJJ, KKK, LLL, MMM, NNN, OOO, PPP, QQQ, RRR, SSS, TTT, UUU, VVV, WWW, AAAA, CCCC, EEEE, IIII, JJJJ, KKKK)	MD	Rule 900 1/24/2022	Current			

MD	FND	19 Source Category FNDs (including Oil & Gas)	MD	10/28/2019	(SIP Sub)		4/30/2013	78 FR 25185
MD		Federal 70 ppb Ozone Attainment Plan (Western Mojave Desert Attainment Plan)	MD+	1/23/2023				

Agency	Rule #	Rule Title	Effective Area	Rule Book Version	SIP Version	Submit Date	CFR	FR Date	FR Cite
Old SB	2	Definitions	SBC	MD 102	Bef 02/72	2/21/1972	40 CFR 52.2236(e)(4)(i)(A)	12/21/1978	43 FR 59489
Old SB	5 (a)	Public Availability of Emissions Data	SBC	None	Bef 02/73	7/25/1973	40 CFR 52.220(c)(21)(xv)(A)	6/14/1978	43 FR 25684
RC	51	Nuisance	RC	MD 402, 07/25/1977 via Res. 94-03	Bef 02/72	2/21/1971	40 CFR 52.220(c)(7)	5/31/1977	
RC	52	Particulate Matter - Concentration		MD 405, 07/25/1977 via Res. 94-03	Bef 06/72		40 CFR 52.228(b)(1)(iii)(A)	9/8/1978	43 FR 40011
Old SB	52 A	Particulate Matter - Concentration	SBC			6/19/1972	40 CFR 52.220 (c)(1-2)	9/22/1972	34 FR 19812
Old SB	53A	Specific Air Contaminants				6/6/1977	40 CFR 52.220(c)(39)(ii)(C)	9/8/1978	43 FR 40011
RC	53	Specific Air Contaminants				6/6/1977	40 CFR 52.220(c)(39)(iv)(C)	9/8/1978	43 FR 40011
Old SB	53.2	Sulfur Recovery Units	SBC			6/30/1972	40 CFR 52.220 (c)(1-2)	9/22/1972	34 FR 19812
Old SB	53.3	Sulfuric Acid Units	SBC			6/30/1972	40 CFR 52.220 (c)(1-2)	9/22/1972	34 FR 19812
RC	54	Solid Particulate Matter, Weight	RC	MD 405, 07/25/1977 via Res. 94-03	Bef 06/72	6/30/1972	40 CFR 52.228(b)(1)(iii)(A)	9/8/1978	43 FR 4011
Old SB	54A	Solid Particulate Matter, Weight	SBC	MD 405, 07/25/1977	Unknown	6/30/1972	40 CFR 52.240(a)(1)&(d)(1)(i)	1/16/1981	46 FR 3883
RC	56	Scavenger Plants	RC	None	G-73	6/6/1977	40 CFR 52.220(c)(39)(iv)(C)	9/8/1978	43 FR 40011
RC	58	Disposal of Solid and Liquid Wastes	RC	MD 473, 7/25/77 via Reso 04-03	Bef 06/72		40 CFR 52.228(b)(1)(iii)(A)	9/8/1978	43 FR 40011
Old SB	58 A	Disposal of Solid and Liquid Wastes	SBC	MD 473, 07/25/77	Bef 02/72		40 CFR 52.240(a)(1) & (d)(1)(i)	1/16/1981	46 FR 3883
Old SB	62.1	Sulfur Content of Natural Gas	SBC	None but See MD 431	Bef 02/72	2/21/1972	40 CFR 52.240(a)(1) & (d)(1)(i)	1/16/1981	46 FR 3883
Old SB	67	Fuel Burning Equipment	SBC	None but See MD 474 and 476	Bef 02/72		40 CFR 52.280(b)(1)(ii)(C)	6/9/1982	47 FR 25013
RC	67	Fuel Burning Equipment	RC	None but See MD 474 and 476	Bef 11/79		40 CFR 52.280(c)(1)(i)	5/18/1981	46 FR 27116
Old SB	69	Vacuum Producing Devices or Systems	SBC	Fed Neg Dec. 12/21/1994	Bef 02/72	2/21/1972	40 CFR 52.240(a)(1) & (d)(1)(i)	1/16/1981	46 FR3886
Old SB	70	Asphalt Air Blowing	SBC	Fed Neg Dec. 10/26/1994	Bef 02/72	2/21/1972	40 CFR 52.240(a)(1) & (d)(1)(i)	1/16/1981	46 FR 3886
RC	72	Fuel Burning Equipment	RC	MD 474, 01/22/1996; MD 475 03/16/1981; and MD 476 01/22/1996 via Res. 94-03	Bef 11/79	11/19/1979	40 CFR 52.280(c)(1)(i)	5/18/1981	46 FR 27116
RC	73	Lead Content and Volatility of Gasoline	RC	None	G-73	6/6/1977	40 CFR 52.220(c)(39)(iv)(C)	9/8/1978	43 FR 4001
Old SB	73	Dry Sandblasting	SBC	None	Bef 02/72	4/10/1975	40 CFR 52.220(C)(27)(v)	6/14/1978	43 FR 25684
RC	74	Vacuum Producing Devices or Systems	RC	Fed Neg Dec12/21/1994	Bef 06/72	6/30/1972	40 CFR 52.269(b)(3)(ii)(A)		
SC	101	Title	RC	7/1/1993 via Res. 94-03	Bef 11/77	8/11/1980	FR Text	6/9/1982	47 FR 25013
SB	101	Title	SBC	7/1/1993	12/19/1998	3/26/1990	40 CFR 52.220(c)(179)(i)(B)	11/27/1990	
MD	102	Definition of Terms				8/17/2018	40 CFR 52.220(c)(520)(i)(A)(1)	7/2/2019	84 FR 31682
MD	102	Definition of Terms		9/28/2020	(SIP Sub)	3/10/2021			
MD	103	Definition of District Boundaries		6/28/1995	Current		40 CFR 52.220(c)(224)(i)(C)(2)	6/3/1999	64 FR 29790
SB	103	Definition of Terms (Unknown rule - no record except in FR reference)	SBC	None	Bef 11/77	11/4/1977	40 CFR 52.236(e)(3)(i)	1/16/1981	46 FR 3883
SC	104	Reporting of Source Data Analysis	RC			8/11/1980	FR Text	6/9/1982	47 FR 25013
MD	104	Reporting of Source Data Analysis		12/19/1988	Current	3/26/1990	40 CFR 52.220(c)(179)(i)(B)(i)	11/27/1990	55 FR 49281
SC	106	Increments of Progress	RC	12/19/1988 via Res. 94-03	Bef 06/78	8/11/1980	FR Text	6/9/1982	47 FR 25013
MD	106	Increments of Progress		12/19/1988	Current	3/26/1990	40 CFR 52.220(c)(179)(i)(B)(i)	11/27/1990	55 FR 49281
MD	107	Certification and Emissions Statements	MD	9/14/1992	Current	11/12/1992	40 CFR 52.220(c)(190)(i)(F)(1)	5/26/2004	69 FR 29880
SC	107	Determination of Volatile Organic Compounds in Coating Material	RC		Bef 3/1/82	3/1/1982	40 CFR 52.220(c)(121)(c)(v)(B)	10/11/1983	48 FR 46046
SC	108	Alternate Emission Control Plans	RC	None	4/6/1990	12/31/1990	40 CFR 52.220(c)(182)(i)(A)(3)	8/30/1993	58 FR 45445
SC	109	Record keeping for Volatile Organic Compound Emissions	RC	None	Bef 09/92	9/14/1992	40 CFR 52.220(c)(189)(i)(A)(6)	4/13/1995	60 FR 18751
SC	201	Permit to Construct	RC	7/25/1977 via Res. 94-03	G-73	8/11/1980	FR Text	6/9/1982	47 FR 25013
SB	201	Permit to Construct	SBC	7/25/1977	G-73	6/6/1977	40 CFR 52.220(c)(39)(ii)(B)	11/9/1978	43 FR 52237
SC	202	Temporary Permit to Operate	RC	7/25/1977 via Res. 94-03	G-73	8/11/1980	FR Text	6/9/1982	47 FR 25013
SB	202	Temporary Permit to Operate	SBC	7/25/1977	G-73	6/6/1977	40 CFR 52.220(c)(39)(ii)(B)	11/9/1978	43 FR 52237
SC	203	Permit to Operate	RC	7/25/1977 via Res. 94-03	G-73	8/11/1980	FR Text	6/9/1982	47 FR 25013
SB	203	Permit to Operate	SBC	7/25/1977	G-73	6/6/1977	40 CFR 52.220(c)(39)(ii)(B)	11/9/1978	43 FR 52237
SC	204	Permit Conditions	RC	7/25/1977 via Res. 94-03	G-73	8/11/1980	FR Text	6/9/1982	47 FR 25013
MD	204	Permit Conditions	SBC	7/25/1977	G-73				
SC	205	Cancellation of Application	RC	7/25/1977 via Res. 94-03	G-73	8/11/1980	FR Text	6/9/1982	47 FR 25013
SB	205	Cancellation of Application	SBC	7/25/1977	G-73	6/6/1977	40 CFR 52.220(c)(39)(ii)(B)	11/9/1978	43 FR 52237
SC	206	Posting of Permit to Operate	RC	7/25/1977 via Res.94-03	G-73	8/11/1980	FR Text	6/9/1982	47 FR 25013
SB	206	Posting of Permit to Operate	SBC	7/25/1977	G-73	6/6/1977	40 CFR 52.220(c)(39)(ii)(B)	11/9/1978	43 FR 52237
SC	207	Altering or Falsifying of Permit	RC	7/25/1977 via Res. 94-03	G-73	8/11/1980	FR Text	6/9/1982	47 FR 25013
SB	207	Altering or Falsifying of Permit	SBC	7/25/1977	G-73	6/6/1977	40 CFR 52.220(c)(39)(ii)(B)	11/9/1978	43 FR 52237
SC	208	Permit for Open Burning	RC	7/25/1977 via Res. 94-03	G-73	8/11/1980	FR Text	6/9/1982	47 FR 25013
SB	208	Permit for Open Burning	SBC	7/25/1977	G-73	6/6/1977	40 CFR 52.220(c)(39)(ii)(C)	9/8/1978	43 FR 40011
SC	209	Transfer and Voiding of Permit	RC	7/25/1977 via Res. 94-03	G-73	8/11/1980	FR Text	6/9/1982	47 FR 25013
SB	209	Transfer and Voiding of Permit	SBC	7/25/1977	G-73	6/6/1977	40 CFR 52.220(c)(39)(ii)(B)	11/9/1978	43 FR 52237
SC	212	Standards for Approving Permits	RC	7/25/1977 via Res. 94-03	5/1/1987	6/9/1987	40 CFR 52.220(c)(173)(i)(A)(1)	2/3/1989	54 FR 5448
SB	212	Standards for Approving Permits	SBC	7/25/1977	G-73	6/6/1977	40 CFR 52.220(c)(39)(ii)(B)	11/9/1978	43 FR 52237
SC	217	Provision for Sampling and Testing Facilities	RC	7/25/1977 via Res. 94-03	G-73	8/11/1980	FR Text	6/9/1982	47 FR 25013
SB	217	Provision for Sampling and Testing Facilities	SBC	7/25/1977	G-73	6/6/1977	40 CFR 52.220(c)(39)(ii)(B)	11/9/1978	43 FR 52237

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SC	218	Stack Monitoring	RC	7/25/1977 via Res. 94-03	Bef 10/81	10/23/1981	40 CFR 52.220(c)(103)(xviii)(A)	7/6/1982	47 FR 29231
SO	218	Stack Monitoring	SBC	7/25/1977	G-73	6/6/1977	40 CFR 52.220(c)(39)(ii)(C)	9/8/1978	43 FR 40011
SB	219	Equipment Not Requiring a Written Permit	SBC	1/28/2019	G-73	6/6/1977	40 CFR 52.220(c)(39)(ii)(B)	11/9/1978	43 FR 52237
SC	219	Equipment Not Requiring a Written Permit Pursuant to Regulation II	RC	1/28/2019	9/4/1981	10/23/1981	40 CFR 52.220(c)(103)(xviii)(A)	7/6/1982	47 FR 29231
MD	219	Equipment Not Requiring a Written Permit	MD	1/25/2021	(SIP Sub)	7/22/2021			
SC	220	Exemtion, Net Increase in Emissions	RC	11/25/1991 via Res. 94-03	8/7/1981	10/23/1981	40 CFR 52.220(c)(103)(xviii)(A)	7/6/1982	47 FR 29231
SC	221	Plans	RC	None	1/4/1985	11/12/1985	40 CFR 52.220(c)(165)(i)(B)(1)	4/17/1987	52 FR 12522
MD	221	Federal Operating Permit Requirement	MD	2/28/2011	2/21/1994	3/31/1995	40 CFR 52.220(c)(216)(i)(A)(2)	2/5/1996	61 FR 4217
MD	221	Federal Operating Permit Requirement	MD	2/28/2011	(SIP Sub)	6/21/2011			
MD	222	Limitation on Potential to Emit	MD	2/28/2011	7/31/1995	10/13/1995	40 CFR 52.220(c)(225)(i)(H)(1)	8/31/2004	69 FR 53005
MD	222	Limitation on Potential to Emit	MD	2/28/2011	(SIP Sub)	6/21/2011			
SC	301.2	Fee Schedules	RC	None	6/3/1983	7/19/1983	40 CFR 52.220(c)(137)(vii)(B)	10/19/1984	49 FR 41028
MD	315	Federal Clean Air Act Section 185 Penalty	MD	10/24/2011	(SIP Sub)	12/14/2011			
SC	401	Visible Emissions	RC	8/26/2019	4/7/1989		40 CFR 52.220(c)(155)(iv)(B)	1/29/1985	50 FR 3906
MD	401	Visible Emissions	MD	8/26/2019	Sip Sub				
SB	403	Fugitive Dust	SBC		G-73	6/6/1977	40 CFR 52.220(c)(39)(ii)(B)	9/8/1978	43 FR 40011
SC	403	Fugitive Dust				8/11/1980	FR Text	6/9/1982	47 FR 25013
MD	403	Fugitive Dust		9/28/2020					
MD	403.1	Respirable Particulate Matter in SVPA			11/25/1996	3/3/1997	40 CFR 52.220(c)(224)(i)(C)(2)	8/13/2009	74 FR 40750
SC	404	Particulate Matter, Concentration	RC	7/25/1977 via Res. 94-03	10/5/1979	8/11/1980	FR Text	6/9/1982	47 FR 25013
SC	404	Particulate Matter, Concentration	RC	7/25/1977 via Res. 94-03	10/5/1979	2/3/1983	40 CFR 52.220(c)(137)(vii)(B)	10/19/1984	49 FR 41028
SB	404	Particulate Matter - Concentration	SBC	7/25/1977	Current	11/4/1977	40 CFR 52.220(c)(42)(xiii)(A)	12/21/1978	43 FR 52489
SC	405	Solid Particulate Matter, Weight	RC	7/25/1977 via Res. 94-03	5/7/1976	8/11/1980	FR Text	6/9/1982	47 FR 25013
SB	405	Solid Particulate Matter, Weight	SBC	7/25/1977	Current	11/4/1977	40 CFR 52.220(c)(42)(xiii)(A)	12/21/1978	43 FR 59489
SB	406	Specific Contaminants	SBC	2/20/1979	7/25/1977		40 CFR 52.220(c)(42)(xiii)(A)	12/21/1978	43 FR 59489
SC	407	Liquid and Gaseous Air Contaminants	RC	7/25/1977 via Res. 94-03	4/2/1982	8/6/1982	40 CFR 52.220(c)(124)(iv)(A)	11/10/1982	47 FR 50864
SB	407	Liquid and Gaseous Air Contaminants	SBC	7/25/1977	G-73		40 CFR 52.220(c)(39)(ii)(C)	9/8/1978	43 FR 40011
SC	408	Circumvention	RC	7/25/1977 via Res. 94-03	G-73	8/11/1980	FR Text	6/9/1982	47 FR 25013
SB	408	Circumvention	SBC	7/25/1977	G-73	6/6/1977	40 CFR 52.220(c)(39)(ii)(C)	9/8/1978	43 FR 40011
SC	409	Combustion Contaminants	RC	7/25/1977 via Res. 94-03	8/7/1981	10/23/1981	40 CFR 52.220(c)(103)(xviii)(A)	7/6/1982	47 FR 29231
SB	409	Combustion Contaminants	SBC	7/25/1977	G-73	6/6/1977	40 CFR 52.220(c)(39)(ii)(C)	9/8/1978	43 FR 40011
SB	431	Sulfur Content of Fuels	SBC	7/25/1977	G-73	6/6/1977	40 CFR 52.220(c)(39)(ii)(B)	9/8/1978	43 FR 40011
MD	431	Sulfur Content of Fuels	MD	9/28/2020	(SIP Sub)	6/10/2021			
SB	431	Sulfur Content of Fuels	SBC	7/25/1977	G-73	6/6/1977	40 CFR 52.220(c)(39)(ii)(B)	9/8/1978	43 FR 40011
SC	431.1	Sulfur Content of Gaseous Fuels	RC	See MD 431	5/6/1983	7/19/1983	40 CFR 52.220(c)(137)(vii)(B)	10/19/1984	49 FR 41028
SC	431.2	Sulfur Content of Liquid Fuels	RC	See MD 431	Bef 8/80	8/11/1980	FR Text	6/9/1982	47 FR 25013
SC	431.3	Sulfur Content of fossil Fuels	RC	See MD 431	Bef 8/80	8/11/1980	FR Text	6/9/1982	47 FR 25013
SC	432	Gasoline Specifications		7/25/1977 via Res. 94-03	G-73	8/11/1980	FR Text	6/9/1982	47 FR 25013
SB	432	Gasoline Specifications	SBC	7/25/1977	G-73	6/6/1977	40 CFR 52.220(c)(39)(ii)(B)	9/8/1978	43 FR 40011
MD	442	Usage of Solvents	MD	2/27/2006	Current	10/5/2006	40 CFR 52.220(c)(347)(i)(C)(1)	9/17/2007	72 FR 52791
SC	443	Labeling of Solvents	RC	7/25/1977 via Res. 94-03	G-73	8/11/1980	FR Text	6/9/1982	47 FR 25013
SB	443	Labeling of Solvents				6/6/1977	40 CFR 52.220(c)(39)(ii)(C)	9/8/1978	43 FR 40011
MD	444	Open Fires		9/25/2006	Current	5/8/2007	40 CFR 52.220(c)(350)(B)(1)	10/31/2007	72 FR 61525
MD	461	Gasoline Transfer and Dispensing	MD			7/13/1994	40 CFR 52.220(c)(198)(i)(B)(1)	5/3/1995	60 FR 21702
MD	461	Gasoline Transfer and Dispensing	MD	1/22/2018	Current	5/18/2018	40 CFR 52.220(c)(518)(i)(A)(3)	5/1/2020	85 FR 25293
MD	462	Organic Liquid Loading	MD	1/22/2018	Current	5/18/2018	40 CFR 52.220(c)(518)(i)(A)(4)	5/1/2020	85 FR 25293
MD	463	Storage of Organic Liquids	MD	1/22/2018	Current	5/18/2018	40 CFR 52.220(c)(518)(i)(A)(5)	5/1/2020	85 FR 25293
MD	464	Oil Water Separators		6/12/2014	Current	11/16/2014	40 CFR 52.220(c)(457)(i)(B)(1)	6/5/2015	80 FR 32026
SC	465	Vacuum Producing Devices orSystems	RC	Rescinded & Fed. Reg. Dec. 12/21/1994	Bef 5/91	5/13/1991	40 CFR 52.220(c)(184)(i)(B)(2)	8/11/1992	57 FR 35759
MD	465	Vacuum Producing Devices or Systems (Rescinded)	MD	Rescinded & Fed. Reg. Dec. 12/21/1994	Not SIP	12/29/1994	40 CFR 52.222(a)(1)(iii)	9/11/1995	60 FR 47074
SC	466	Pumps and Compressors	RC	Rescinded & See 1102 10/26/94	Bef 12/83	12/2/1983	40 CFR 52.220(c)(166)(i)(A)(1)	1/15/1987	52 FR 1627
MD	466	Pumps and Compressors (Rescinded)	MD	Rescinded & See 1102 10/26/94	Not SIP	11/30/1994	40 CFR 52.220(c)(39)(ii)(G)	8/19/1999	64 FR 45175
SC	466.1	Valves and Flanges	RC	None	5/2/1980	8/11/1980	FR Text	6/9/1982	47 FR 25013
SC	468	Sulfur Recovery Units	RC	7/25/1977 via Res. 94-03	G-73	8/11/1980	FR Text	6/9/1982	47 FR 25013
SB	468	Sulfur Recovery Units	SBC	7/25/1977	G-73	6/6/1977	40 CFR 52.220(c)(39)(ii)(C)	9/8/1978	43 FR 40011
SC	469	Sulfuric Acid Units	RC	7/25/1977 via Res. 94-03	G-73	8/11/1980	FR Text	6/9/1982	47 FR 25013
SB	469	Sulfuric Acid Units		7/25/1977	G-73	6/6/1977	40 CFR 52.220(c)(39)(ii)(C)		
MD	471	Asphalt Roofing Operations		12/21/1994	Current	12/22/1994	40 CFR 52.220(c)(210)(i)(C)(2)	2/29/1996	61 FR 7706
SC	472	Reduction of Animal Matter	RC	7/25/1977 via Res. 94-03	G-73	8/11/1980	FR Text	6/9/1982	47 FR 25013
SB	472	Reduction of Animal Matter	SBC	7/21/1977	G-73	6/6/1977	40 CFR 52.220(c)(39)(ii)(C)	9/8/1978	43 FR 40011
MD	473	Disposal of Liquid and Solid Wastes	SBC	7/25/1977	G-73	6/6/1977	40 CFR 52.220(c)(39)(ii)(C)	9/8/1978	43 FR 40011
MD	474	Fuel Burning Equipment - Oxides of Nitrogen	MD	8/25/1997	Bef 11/96	11/26/1996	40 CFR 52.220(c)(254)(i)(H)(1)	1/11/1999	64 FR 1517
MD	474	Fuel Burning Equipment - Oxides of Nitrogen	MD	8/25 1997	Current	3/10/1998	??	??	??
MD	475	Electric Power Generating Equipment	MD	8/25/1997	Current	3/10/1998	40 CFR 52.220(c)(254)(i)(H)(1)	1/11/1999	64 FR 1517

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MD	476	Steam Generating Equipment	MD	8/25/1997	Current	3/10/1998	40 CFR 52.220(c)(254)(i)(H)(1)	1/11/1999	64 FR 1517
SB	480	Natural Gas Fired Control Devices	SBC	2/20/1979	Current	5/23/1979	40 CFR 52.220(c)(51)(iii)(A)	1/27/1981	46 FR 8471
SC	481	Spray Coating Operations	RC	1113, 1114, 1115 & 1116	5/5/1978	8/11/1980	FR Text	6/9/1982	47 FR 25013
SC	501	General	RC	6/10/2019	Bef 8/80	8/11/1980	FR Text	6/9/1982	47 FR 25013
MD	900	Standards of Performance for New Stationary Sources	MD	2/25/2019	Delegated				
MD	1000	National emissions Standards fro Hazardous Air Pollutants	MD	2/25/2019	Delegated				
SC	1101	Secondary Lead Smelters/Sulfur Oxides (SC Adopted 10/7/77)	RC	None	4/4/1980	8/11/1980	FR Text	6/9/1982	47 FR 25013
SC	1102	Petroleum Solvent Dry Cleaners (SC Amended 12/7/90)	RC	None	12/7/1990	5/13/1991	40 CFR 52.220(c)(184)(i)(B)(1)	3/24/1992	57 FR 10136
MD	1102	Fugitive Emissions of VOC's from Components at Pipeline Transfer Stations	MD	10/26/1994	Current	11/30/1994	40 CFR 52.220(c)(207)(i)(D)	9/27/1995	60 FR 49772
SC	1102.1	Perchloroethylene Dry Cleaning Systems	RC	None	12/7/1990	5/31/1991	40 CFR 52.220(c)(184)(i)(B)(1)	3/24/1992	57 FR 10136
SC	1103	Pharmaceuticals and Cosmetics Manufacturing Operation	RC	None	4/6/1980	4/23/1980	40 CFR 52.220(c)(69)(iii)	7/8/1982	47 FR 29668
MD	1103	Cutback and Emulsified Asphalt	MD	12/21/1994	Current	12/22/1994	40 CFR 52.220(c)(207)(i)(C)(1)	2/5/1996	61 FR 4215
SC	1104	Wood Flat Stock Coating Operations (SC Amended 8/2/91)		None	3/1/1991	10/25/1991	40 CFR 52.220(c)(186)(i)(C)(1)	6/23/1994	59 FR 32354
MD	1104	Organic Solvent Degreasing Operations	MD	4/23/2018	Current	7/16/2018	40 CFR 52.220(c)(519)(i)(A)(1)	7/2/2019	84 FR 31682
SC	1105	Fluid Catalytic Cracking Units Oxides of Nitrogen (SC Adopted 9/8/84)	R/	None	9/8/1984	2/6/1985	40 CFR 52.220(c)(159)(ii)(C)	7/12/1990	55 FR 28625
MD	1106	Marine & Pleasure Craft Coating Operations	MD	10/24/2016	Current	Aft 10/2016	40 CFR 52.220(c)(498)(i)(B)(1)	2/12/2018	83 FR 5940
SC	1107	Miscellaneous Metal Parts, Products and Coatings Operations.	RC	None	9/6/1991	5/13/1993	40 CFR 52.220(c)(193)(i)(A)(1)	12/20/1993	58 FR 66285
SC	1108	Cutback Asphalt	RC	None	2/1/1985	4/12/1985	40 CFR 52.220(c)(160)(i)(E)(1)	7/12/1990	55 FR 28624
SC	1108.1	Elmusified Asphalt	RC	None	Bef 3/84	3/14/1984	40 CFR 52.220(c)(153)(vii)(A)	1/24/1985	50 FR 3339
SC	1110	Emissions from Stationary Internal Combustion Engines.	RC	None	Bef 3/82	3/1/1982	40 CFR 52.220(c)(121)(i)(C)	5/3/1984	47 FR 18822
SC	1111	NOx Emissions from Natural Gas Fired, Fan Type Central Furnaces	RC	None	Bef 10/83	10/27/1983	40 CFR 52.220(c)(148)(vi)(A)	5/3/1984	49 FR 18830
SC	1112	Emissions of Oxides of Nitrogen from Cement Kilns	RC	None	1/6/1984	4/12/1984	40 CFR 52.220(c)(154)(vii)(B)	1/7/1986	51 FR 600
SC	1113	Architectural Coatings	RC		Bef 7/84	7/10/1984	40 CFR 52.220(c)(155)(iv)(A)	1/24/1985	50 FR 3339
MD	1113	Architectural Coatings	MD	4/23/2012	4/23/2012	2/6/2013	40 CFR 52.220(c)(428)(i)(C)(1)	1/3/2014	79 FR 365
MD	1113	Architectural Coatings	MD	10/26/2020	(SIP Sub)	6/10/2021			
MD	1114	Wood Products Coating Operations	MD	8/24/2020	Current	11/18/2020	40 CFR 52.220(c)(558)(i)(a)(1)	7/28/2021	86 FR 40335
SC	1115	Motor Vehicle Assembly and Component Coating Operations	RC	None	3/6/1992	9/14/1992	40 CFR 52.220(c)(189)(i)(A)(1)	12/20/1993	58 FR 66282
MD	1115	Metal Parts & Products Coating Operations				5/23/2018	40 CFR 52.220(c)(518)(i)(A)(2)	2/27/2020	85 FR 11812
MD	1115	Metal Parts & Products Coating Operations	MD	6/8/2020	(SIP Sub)	5/23/2018		5/20/2021	86 FR 27341
MD	1116	Automative Refinishing Operations	MD	8/23/2010	Current	4/5/2011	40 CFR 52.220(c)(388)(i)(F)(1)	8/19/2012	77 FR 47536
SC	1117	Emissions of Oxides of Nitrogen from Glass Melting Furnaces	RC	None	SC 1/6/1984	12/3/1984	40 CFR 52.220(c)(159)(vi)(D)	7/12/1990	55 FR 28624
MD	1117	Graphic Arts	MD			7/20/2010	40 CFR 52.220(c)(381)(i)(H)(1)	3/1/2012	77 FR 12495
MD	1117	Graphic Arts	MD	8/24/2020	(SIP Sub)	11/17/2020			
MD	1118	Aerospace Vehicle Parts & Products Coating Operations	MD			4/21/2016	40 CFR 52.220(c)(485)(i)(B)(1)	6/21/2017	82 FR 28240
MD	1118	Aerospace Assembly, Reqork and Component Manufacturing Operations	MD	6/8/2020	(SIP Sub)	11/17/2020			
SC	1119	Petroleum Coke Calcining Operations Oxides of Sulfur	RC	None	3/2/1979	7/25/1980	40 CFR 52.220(c)(88)(iii)(A)	9/28/1981	46 FR 47451
SC	1120	Asphalt Pavement Heaters	RC	None	8/4/1978	7/25/1980	40 CFR 52.220(c)(65)(ii)	9/28/1981	46 FR 47451
SC	1121	Control of Nitrogen Oxides from Residential Type Natural Gas Fired Water Heaters			12/1/1978	4/2/1980	40 CFR 52.220(c)(67)(i)(B)	9/28/1981	46 FR 47451
SC	1122	Solvent Metal Cleaners (Degreasers)		None	7/8/1983				
SC	1123	Refinery Process Turnaround	RC	None	SC 12/7/1990	5/13/1991	40 CFR 52.220(c)(184)(i)(B)(2)	8/11/1992	57 FR 35758
SC	1124	Aerospace Assembly and Component Coating Operations	RC	None	1/6/1984	4/19/1984	40 CFR 52.220(c)(154)(vii)(A)	1/24/1985	50 FR 3339
SC	1125	Metal Container, Closure and Coil Coating Operations	RC	None	SC 8/2/1991	5/13/1993	40 CFR 52.220(c)(189)(i)(A)(4)	4/14/1994	59 FR 17898
SC	1126	Magnet Wire Coating Operations	RC	None	SC 3/6/1992	9/14/1992	40 CFR 52.220(c)(189)(i)(A)(2)	12/20/1993	58 FR 66286
MD	1126	Municipal Solid Waste Landfills	MD	8/28/2000	Not SIP	12/20/200	40 CFR 60.23		
SC	1128	Paper, Fabric and Film Coating Operations	RC	None	SC 2/7/1992	9/14/1992	40 CFR 52.220(c)(189)(i)(A)(3)	12/20/1993	58 FR 66287
SC	1130	Graphic Arts	RC	None	Bef 5/1993	5/13/1993	40 CFR 52.220(c)(193)(i)(A)(2)	4/14/1994	59 FR 17698
SC	1136	Wood Furniture and Cabinet Coatings	RC	None	Bef 5/92	5/13/1992	40 CFR 52.220(c)(189)(i)(A)(4)	4/14/1994	59 FR 17698
SC	1140	Abrasive Blasting	RC		2/1/1980	4/2/1980	40 CFR 52.220(c)(67)(i)(B)	9/28/1981	46 FR 47451
SC	1141	Control of Volatile Organic Compound Emissions from Resin Manufacturing	RC	None	SC 4/3/1992	9/19/1992	40 CFR 52.220(c)(189)(i)(A)(3)	12/20/1993	58 FR 66286
SC	1141.1	Coatings and Ink Manufacturing	RC	None	11/4/1983	3/14/1984	40 CFR 52.220(c)(153)(vii)(B)	1/24/1985	50 FR 3339
SC	1141.2	Surfactant Manufacturing	RC	None	SC 7/6/1984	10/19/1984	40 CFR 52.220(c)(156)(vii)(A)	1/15/1987	52 FR 1627
SC	1142	Marine Tank Vessel Operations	RC	None		1/28/1992	40 CFR 52.220(c)(187)(i)(C)(1)		
SC	1145	Plastic, Rubber and Glass Coatings	RC	None	SC 1/10/1992	1/11/1993	40 CFR 52.220(c)(191)(i)(A)(1)	12/20/1993	58 FR 66286
SC	1148	Thermally Enhanced Oil Recovery Wells	RC	None	Bef 10/1983	10/27/1983	40 CFR 52.220(c)(148)(vi)(B)	??	??
SC	1151	Motor Vehicle and Mobile Equipment Non-Assembly Line Coating Operations	RC	None	Bef 5/13/1993	5/13/1993	40 CFR 52.220(c)(193)(i)(A)(1)	12/20/1993	58 FR 66286
SC	1153	Commercial Bakery Ovens	RC	None	SC 1/4/1991	5/13/1991	40 CFR 52.220(c)(184)(i)(B)(3)	9/29/1993	58 FR 50850
MD	1157	Boilers and Process Heaters	MD	1/22/2018	5/19/1997	8/1/1997	40 CFR 52.220(c)(248)(i)(D)	4/20/1999	64 FR 19277
MD	1157	Boilers and Process Heaters	MD	1/22/2018	(SIP Sub)	5/23/2018			
SC	1158	Storage, Handling and Transport of Petroleum Coke	RC	None	SC Bef 5/93	3/14/1984	40 CFR 52.220(c)(153)(vii)(B)	1/15/1987	52 FR 1627
MD	1158	Electric Power Generating Facilities	MD	6/26/2017	8/25/1997	3/10/1998	40 CFR 52.220(c)(254)(i)(H)(2)	7/20/1999	64 FR 38832
MD	1158	Electric Power Generating Facilities	MD	6/26/2017	(SIP Sub)	11/13/2017			
SC	1159	Nitric Acid Units - Oxides of Nitrogen	RC	None	SC 12/6/1985	2/10/1986	40 CFR 52.220(c)(168)(I)(H)	7/12/1990	55 FR 28622
MD	1159	Stationary Gas Turbines	MD	9/28/2009	Current	5/17/2010	40 CFR 52.220(c)(379)(i)(E)(1)	10/25/2012	77 FR 65133

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MD	1160	Internal Combustion Engines	MD	1/22/2018	Current	5/23/2018	40 CFR 52.220(c)(518)(i)(A)(7)	9/10/2021	86 FR 50643
MD	1161	Portland Cement Kilns	MD			6/18/2002	40 CFR 52.220(c)(300)(i)(A)(1)	2/27/2003	68 FR 9015
MD	1161	Portland Cement Kilns	MD	1/22/2018	(SIP Sub)	5/23/2018			
MD	1162	Polyester Resin Operations	MD	1/22/2018	8/27/2007	3/7/2008	40 CFR 52.220(c)(354)(i)(B)(1)	11/24/2008	73 FR 70883
MD	1162	Polyester Resin Operations	MD	1/22/2018	Current	5/23/2018	40 CFR 52.220(c)(519)(i)(A)(1)	2/27/2020	85 FR 11812
SC	1164	Semiconductor Manufacturing Operations	RC	None	Bef 10/1993			10/26/1993	58 FR 48459
MD	1165	Glass Melting Furnaces	MD	8/12/2008	Current	12/23/2008	40 CFR 52.220(c)(364)(i)(D)(1)	7/2/2012	77FR 39181
MD	1168	Adhesive & Sealant Applications	MD	4/27/2020	(SIP Sub)	7/23/2020			
SC	1171	Solvent Cleaning	RC	None	SC 8/2/1991	6/19/1992	40 CFR 52.220(c)(188)(i)(C)(1)	12/20/1993	58 FR66285
SC	1173	Fugitive Emissions of Volatile Organic Compounds		None	12/7/1990	6/18/1992	40 CFR 52.220(c)(188)(i)(c)(1)	12/20/1993	58 FR 66285
SC	1175	Control of Emissions from the Manufacture of Polymeric Cellular (Foam) Products	RC	None	SC Bef 5/91	??	40 CFR 52.220(c)(182)(8)(A)(1)	??	??
SC	1176	Sumps and Wastewater Separators	RC	None	Bef 12/1990	12/31/1990	40 CFR 52.220(c)(182)(i)(A)(1)	10/26/1992	57 FR 48459
MD	1200	General (Federal Operating Permit)	MD	2/28/2011					
MD	1201	Definitions (Federal Operating Permit)	MD	9/26/2005					
MD	1202	Applications	MD	9/26/2005					
MD	1203	Federal Operating Permits (Federal Operating Permit)	MD	9/26/2005					
MD	1205	Modifications of Federal Operating Permits (Federal Operating Permit)	MD	9/26/2005					
MD	1206	Reopening, Reissuance and Termination of Federal Operating Permits (Federal Operating Permit)	MD	9/26/2005					
MD	1207	Notice and Comment (Federal Operating Permit)	MD	9/26/2005					
MD	1208	Certification (Federal Operating Permit)	MD	9/26/2005					
MD	1209	Appeals (Federal Operating Permit)	MD	9/26/2005					
MD	1210	Acid Rain Provisions of Federal Operating Permits (Federal Operating Permit)	MD	9/26/2005					
MD	1211	Greenhouse Gas Provisions of Federal Operating Permits (Federal Operating Permit)	MD	2/28/2011					
MD	1300	General	MD		3/25/1996	7/23/1996	40 CFR 52.220(c)(239)(i)(A)(1)	11/13/1996	61 FR 58133
MD	1300	General	MD	3/22/2021	(SIP Sub)	7/22/2021			
MD	1301	Definitions	MD		3/25/1996	7/23/1996	40 CFR 52.220(c)(239)(i)(A)(1)	11/13/1996	61 FR 58133
MD	1301	Definitions	MD	3/22/2021	(SIP Sub)	7/22/2021			
MD	1302	Procedure	MD		3/25/1996	7/23/1996	40 CFR 52.220(c)(239)(i)(A)(1)	11/13/1996	61 FR 58133
MD	1302	Procedure		3/22/2021	(SIP Sub)	7/22/2021			
MD	1303	Requirements	MD		3/25/1996	7/23/1996	40 CFR 52.220(c)(239)(i)(A)(1)	11/13/1996	61 FR 58133
MD	1303	Requirements	MD	3/22/2021	(SIP Sub)	7/22/2021			
MD	1304	Emissions Calculations	MD		3/25/1996	7/23/1996	40 CFR 52.220(c)(239)(i)(A)(1)	11/13/1996	61 FR 58133
MD	1303	Emissions Calculations	MD		(SIP Sub)	7/22/2021			
MD	1305	Emissions Offsets	MD		3/25/1996	7/23/1996	40 CFR 52.220(c)(239)(i)(A)(1)	11/13/1996	61 FR 58133
MD	1305	Emissions Offsets	MD	3/22/2021	(SIP Sub)	7/22/2021			
MD	1306	Electric Energy Generating Facilities			3/25/1996	7/23/1996	40 CFR 52.220(c)(239)(i)(A)(1)	11/13/1996	61 FR 58133
MD	1306	Electric Energy Generating Facilities		3/22/2021	(SIP Sub)	7/22/2021			
MD	1310	Federal Major Facilities and Federal Major Modifications		Rescinded 3/22/21	(SIP Sub)	7/22/2021			
MD	1400	General (Emission Reduction Credits)	MD	6/28/1995	Current	8/10/1995	40 CFR 52.220(c)(224)(i)(C)	1/22/1997	62 FR 3215
MD	1401	Definitions (Emissions Reduction Credits)	MD	6/28/1995	Current	8/10/1995	40 CFR 52.220(c)(224)(i)(C)	1/22/1997	62 FR 3215
MD	1402	Emission Reduction Credits Registry	MD		6/28/1995	8/10/1995	40 CFR 52.220(c)(224)(i)(C)	1/22/1997	62 FR 3215
MD	1404	Emission Reduction Credit Calculations	MD	6/28/1995	Current	8/10/1995	40 CFR 52.220(c)(224)(i)(C)	1/22/1997	62 FR 3215
MD	1520	Control of Toxic Air Contaminants From Existing Sources	MD	3/25/2019	(SIP Sub)				
MD	1600	Prevention of Significant Deterioration	MD	3/22/2021	(SIP Sub)	7/22/2021			
MD	2001	Transportation Conformity	MD	2/22/1995	??				
MD	2002	General Federal Actions Conformity	MD	10/26/1994	Current	5/10/1996	40 CFR 52.220(c)(231)(i)(C)(1)	4/23/1999	64 FR 19916
MD	FND	Fed. Neg. Dec. - Asphalt Air Blowing	MD		Current	12/20/1994	40 CFR 52.222(a)(1)(ii)	9/11/1995	60 FR 47074
MD	FND	Fed. Neg. Dec. - Air Oxidation Process - SOCMI	MD	1/22/2007	Current	7/11/2007	40 CFR 52.222(a)(1)(v)	5/20/2011	76 FR 29153
MD	FND	Fed. Neg. Dec. - Chemical Processing & Manufacturing	RC	5/25/1994 via Res. 94-03	Unknown				
MD	FND	Fed. Neg. Dec. - Chemical Processing & Manufacturing	SBC	5/25/1994	Current	12/29/1994		1/31/1995	60 FR 38
MD	FND	Fed. Neg. Dec. - Equipment Leaks from Natural Gas/Gasoline Processing Plants	MD	1/22/2007	Current	7/11/2007	40 CFR 52.222(a)(1)(v)	5/20/2011	76 FR 29153
MD	FND	Fed. Neg. Dec. - Fugitive Emissions From Synthetic Organic chemical Polymer and Resin manufacturing Equipment	MD	8/23/2010	Current	10/22/2010	40 CFR 52.222(a)(1)(vi)	5/20/2011	76 FR 29153
MD	FND	Fed. Neg. Dec. - Industrial Wastewater	MD		Current	8/7/1995	40 CFR 52.222(A)(1)(iv)	11/1/1996	61 FR 56474
MD	FND	Fed. Neg. Dec. - Large Petroleum Dry Cleaners	MD	1/22/2007	Current	7/11/2007	40 CFR 52.222(a)(1)(v)	5/20/2011	76 FR 29153
MD	FND	Fed. Neg. Dec. - Leaks from Petroleum Refinery Equipment	MD	1/22/2007	Current	7/11/2007	40 CFR 52.222(a)(1)(v)	5/20/2011	76 FR 29153
MD	FND	Fed. Neg. Dec. - Manufacture of High-Density Polyethylene, Polypropylene, and Polystyrene Resins	MD	8/23/2010	Current	10/22/2010	40 CFR 52.222(a)(1)(vi)	5/20/2011	76 FR 29153
MD	FND	Fed. Neg. Dec. - Natural Gas/Gasoline Processing Equipment	RC	5/25/1994 via Res. 94-03	Unknown				
MD	FND	Fed. Neg. Dec. - Natural Gas/Gasoline Processing Equipment	SBC	5/25/1994	Current	7/13/1994	40 CFR 52.222(a)(1)(i)	1/31/1995	60 FR 38
MD	FND	Fed. Neg. Dec. - Offset Lithography	MD		Current	8/7/1995	40 CFR 52.222(A)(1)(iv)	11/1/1996	61 FR 56474
MD	FND	Fed. Neg. Dec. - Orchard & Citrus Heaters	MD	6/24/1996	??				
MD	FND	Fed. Neg. Dec. - Petroleum Refinery Equipment	MD	8/23/2010	Current	10/22/2010	40 CFR 52.222(a)(1)(vi)	5/20/2011	76 FR 29153

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MD	FND	Fed. Neg. Dec. - Plastic Parts Coating (Business Machines)	MD		Current	8/7/1995	40 CFR 52.222(A)(1)(iv)	11/1/1996	61 FR 56474
MD	FND	Fed. Neg. Dec. - Plastic Parts Coating (other)	MD		Current	8/7/1995	40 CFR 52.222(A)(1)(iv)	11/1/1996	61 FR 56474
MD	FND	Fed. Neg. Dec. - Pheumatic Rubber Tire Manufacturing	MD	1/22/2007	Current	7/11/2007	40 CFR 52.222(a)(1)(v)	5/20/2011	76 FR 29153
MD	FND	Fed. Neg. Dec - Polymer Manufacturing SOCMI and Polymer manufacturing Equipment Leaks	MD	1/22/2007	Current	7/11/2007	40 CFR 52.222(a)(1)(v)	5/20/2011	76 FR 29153
MD	FND	Fed. Neg. Dec. - Process Unit Turnarounds	MD	1/22/2007	Current	7/11/2007	40 CFR 52.222(a)(1)(v)	5/20/2011	76 FR 29153
MD	FND	Fed. Neg. Dec. - Reactor Processes and Distillation Operations in SOCMI	MD	1/22/2007	Current	7/11/2007	40 CFR 52.222(a)(1)(v)	5/20/2011	76 FR 29153
MD	FND	Fed. Neg. Dec. - Ship Building	MD		Current	8/7/1995	40 CFR 52.222(A)(1)(iv)	11/1/1996	61 FR 56474
MD	FND	Fed. Neg. Dec. - Surface Coating of Cans	MD	1/22/2007	Current	7/11/2007	40 CFR 52.222(a)(1)(v)	5/20/2011	76 FR 29153
MD	FND	Fed. Neg. Dec. - Surface Coating of Coils	MD	1/22/2007	Current	7/11/2007	40 CFR 52.222(a)(1)(v)	5/20/2011	76 FR 29153
MD	FND	Fed. Neg. Dec. - Surface Coating of Fabrics	MD	1/22/2007	Current	7/11/2007	40 CFR 52.222(a)(1)(v)	5/20/2011	76 FR 29153
MD	FND	Fed. Neg. Dec. - Surface Coating of Large Appliances	MD	1/22/2007	Current	7/11/2007	40 CFR 52.222(a)(1)(v)	5/20/2011	76 FR 29153
MD	FND	Fed. Neg. Dec. - Surface Coating of Magnet Wire	MD	1/22/2007	Current	7/11/2007	40 CFR 52.222(a)(1)(v)	5/20/2011	76 FR 29153
MD	FND	Fed Neg. Dec. - Surface Coating Operations at Automotive and Light Duty Truck Assembly Plants	MD	1/22/2007	Current	7/11/2007	40 CFR 52.222(a)(1)(v)	5/20/2011	76 FR 29153
MD	FND	Fed. Neg. Dec. - Synthesized Pharmaceutical Products	MD	1/22/2007	Current	7/11/2007	40 CFR 52.222(a)(1)(v)	5/20/2011	76 FR 29153
MD	FND	Fed. Neg. Dec. - Synthetic Organic Chemical Manufacturing Batch Processing	MD		Current	8/7/1995	40 CFR 52.222(a)(1)(iv)	11/1/1996	61 FR 56474
MD	FND	Fed. Neg. Dec. - Synthetic Organic Chemical Manufacturing Industry	MD		Current	8/7/1995	40 CFR 52.222(a)(1)(iv)	11/1/1996	61 FR 56474
MD	FND	Fed. Neg. Dec. - Synthetic Organic Chemical Manufacturing Reactors	MD		Current	8/7/1995	40 CFR 52.222(A)(1)(iv)	11/1/1996	61 FR 56474
MD	FND	Fed. Neg. Dec. - Synthetic Organic Chemical Polymer and Resin Manufacturing	MD	1/22/2007	Current	7/11/2007	40 CFR 52.222(a)(1)(v)	5/20/2011	76 FR 29153
MD	FND	Fed. Neg. Dec. - Vacuum Producing Devices	MD	1/22/2007	Current	7/11/2007	40 CFR 52.222(a)(1)(v)	5/20/2011	76 FR 29153
MD	FND	Fed Neg. Dec - 2 CTGs for Miscellaneous Metal and Plastic Parts Coatings, Table 3—Plastic Parts and Products, and Table 4—Automotive/Transportation and Business Machine Plastic Parts	MD	4/23/2018	Current	7/16/2018	40 CFR 52.220(c)(519)(ii)(A)(1) and 52.222(a)(1)(viii)	2/27/2020	85 FR 11812
MD	FND	Fed Neg Dec - 1 CTG for Miscellaneous Metal and Plastic Parts Coatings (EPA–453/R–08–003), Table 6—Motor Vehicle Materials.	MD	10/22/2018	Current	12/7/2018	40 CFR 52.220(c)(531)(ii)(A)(1) and 52.222(a)(1)(ix)	2/27/2020	85 FR 11812
MD	Title V	Program - Federal Operation Permits: Title V					40 CFR 70 Apx. A California (q)(2)	12/17/2001	66 FR 63503