



Louisville Metro Air Pollution Control District
701 West Ormsby Avenue, Suite 303
Louisville, Kentucky 40203-3137



Title V Operating Permit

Permit No.: O-0989-17-V

Plant ID: 0989

Effective Date: 5/16/2017

Expiration Date: 5/31/2022

Permission is hereby given by the Louisville Metro Air Pollution Control District to operate the process(es) and equipment described herein which are located at:

Owner/Source: Sam Meyers, Inc.
3400 Bashford Avenue Court
Louisville, Kentucky 40218-3136

The applicable procedures of District Regulation 2.16 regarding review by the U.S. EPA and public participation have been followed in the issuance of this permit. Based on review of the application on file with the District, permission is given to operate under the conditions stipulated herein. If a renewal permit is not issued prior to the expiration date, the owner or operator may continue to operate in accordance with the terms and conditions of this permit beyond the expiration date, provided that a complete renewal application is submitted to the District no earlier than eighteen (18) months and no later than six (6) months prior to the expiration date.

Application No.: See Table Application Received: See Table

Permit Writer: Elise Venard

Administratively Complete: 08/11/2016

Date of Public Notice: 04/06/2017

Date of Proposed Permit: 04/06/2017

Paul G. And
Signed by Paul G. And
MAY 16 2017

Air Pollution Control Officer
May 16, 2017

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Title V Permit Revisions/Changes

Revision No.	Permit No.	Issue Date	Public Notice Date	Change Type	Change Scope	Description
NA	91-97-TV	1/15/2000	11/21/1999	Initial	Entire permit	Initial permit issuance
R1	91-97-TV (R1)	12/22/2011	11/06/2011	Renewal	Entire permit	5 year renewal, incorporating construction permits # 02-06-C, 162-09-C, and removal of Emission Unit U1
NA	O-0989-17-V	5/16/2017	4/06/2017	Renewal	Entire permit	Renewal

Construction Permit History since Last Title V Permit Renewal:

Permit No.	Issue Date	Description
NA		

Applications and Related Documents

Document Number	Date Received	Description
78667	08/01/2016	Permit renewal application
78841	08/09/2016	Addendum to renewal application
78859	08/11/2016	Application Administratively complete letter
79532	08/16/2016	Kentucky Secretary of State Certificate of Existence
80370	11/07/2016	Notice of Deficiency Boiler MACT requirements
80374	11/07/2016	Pre-Draft permit sent to company for review
80400	11/08/2016	Initial Notification for Boiler MACT
80405	11/09/2016	Letter Explaining why Boiler MACT is applicable
80596	11/23/2016	Follow-up letter to company about Boiler MACT requirements
81427	01/24/2017	More follow-up emails regarding Boiler MACT
81442	01/25/2017	More follow-up emails regarding Boiler MACT
81497	01/30/2017	Company Compliance Plan for Boiler MACT
82391	03/06/2017	More follow-up emails regarding Boiler MACT
82594	03/14/2017	More follow-up emails regarding Boiler MACT
83254	03/14/2017	More follow-up emails regarding Boiler MACT
83227	03/31/2017	Notice of Compliance Status regarding Boiler MACT

Abbreviations and Acronyms

AP-42	- AP-42, <i>Compilation of Air Pollutant Emission Factors</i> , published by U.S.EPA
APCD	- Louisville Metro Air Pollution Control District
BAC	- Benchmark Ambient Concentration
BACT	- Best Available Control Technology
Btu	- British thermal unit
CEMS	- Continuous Emission Monitoring System
CFR	- Code of Federal Regulations
CO	- Carbon monoxide
District	- Louisville Metro Air Pollution Control District
EA	- Environmental Acceptability
gal	- U.S. fluid gallons
GHG	- Greenhouse Gas
HAP	- Hazardous Air Pollutant
Hg	- Mercury
hr	- Hour
in.	- Inches
lbs	- Pounds
l	- Liter
LMAPCD	- Louisville Metro Air Pollution Control District
mmHg	- Millimeters of mercury column height
MM	- Million
NAICS	- North American Industry Classification System
NO _x	- Nitrogen oxides
PM	- Particulate Matter
PM ₁₀	- Particulate Matter less than 10 microns
PM _{2.5}	- Particulate Matter less than 2.5 microns
ppm	- parts per million
PSD	- Prevention of Significant Deterioration
psia	- Pounds per square inch absolute
QA	- Quality Assurance
RACT	- Reasonably Available Control Technology
SIC	- Standard Industrial Classification
SIP	- State Implementation Plan
SO ₂	- Sulfur dioxide
STAR	- Strategic Toxic Air Reduction
TAC	- Toxic Air Contaminant
UTM	- Universal Transverse Mercator
VOC	- Volatile Organic Compound
w.c.	- Water column
year	- Any period of twelve consecutive months, unless "calendar year" is specified
yr	- Year, or any 12 consecutive-month period, as determined by context

Preamble

Title V of the Clean Air Act Amendments of 1990 (the Act) required EPA to create an operating permit program for implementation by state or local air permitting authorities. The purposes of this program are: (1) to require an affected company to assume full responsibility for demonstrating compliance with applicable regulations; (2) to capture all of the regulatory information pertaining to an affected company in a single document; and (3) to make permits more consistent with each other.

A company is subject to the Title V program if it meets any of several criteria related to the nature or amount of its emissions. The Title V operating permit specifies what the affected company is, how it may operate, what its applicable regulations are, how it will demonstrate compliance, and what is required if compliance is not achieved. In Jefferson County, Kentucky, the Louisville Metro Air Pollution Control District (LMAPCD or APCD) is responsible for issuing Title V permits to affected companies and enforcing local regulations and delegated federal and state regulations. EPA may enforce federal regulations but not "District Only Enforceable Regulations."

Title V offers the public an opportunity to review and comment on a company's draft permit. It is intended to help the public understand the company's compliance responsibility under the Clean Air Act. Additionally, the Title V process provides a mechanism to incorporate new applicable requirements. Such requirements are available to the public for review and comment before they are adopted.

Title V Permit General Conditions define requirements that are generally applicable to all Title V companies under the jurisdiction of LMAPCD. This avoids repeating these requirements in every section of the company's Title V permit. Company-specific conditions augment the General Conditions as necessary; these appear in the sections of the permit addressing individual emission units or emission points.

The General Conditions include references to regulatory requirements that may not currently apply to the company, but which provide guidance for potential changes at the company or in the regulations during the life of the permit. Such requirements may become applicable if the company makes certain modifications or a new applicable requirement is adopted.

When the applicability of a section or subpart of a regulation is unclear, a clarifying citation will be made in the company's Title V permit at the emission unit/point level. Comments may also be added at the emission unit/point level to give further clarification or explanation.

The owner or operator's Title V permit may include a current table of "insignificant activities."

Insignificant activities are defined in District Regulation 2.16 section 1.23, as of the date the permit was proposed for review by U.S. EPA, Region 4.

Insignificant activities identified in District Regulation 1.02, section 1.38, and Appendix A may be subject to size or production rate disclosure requirements pursuant to Regulation 2.16 section 3.5.4.1.4.

Insignificant activities identified in District Regulation 1.02, section 1.38, and Appendix A shall comply with generally applicable requirements as required by Regulation 2.16 section 4.1.9.4.

General Conditions

1. **Compliance** - The owner or operator shall comply with all applicable requirements and with all terms and conditions of this permit. Any noncompliance shall constitute a violation of the Act, State, and District regulations and shall cause the source to be subject to enforcement actions including, but not limited to, the termination, revocation and reissuance, or revision of this permit, or denial of a permit application to renew this permit. Notwithstanding any other provision in the Jefferson County portion of the Kentucky SIP approved by EPA, any credible evidence may be used for the purpose of establishing whether the owner or operator is in compliance with, has violated, or is in violation of any such plan. [Regulation 2.16, sections 4.1.3, 4.1.13.1, and 4.1.13.7]
2. **Compliance Certification** - The owner or operator shall certify, annually, or more frequently if required in applicable regulations, compliance with the terms and conditions contained in this permit, including emission limitations, standards, or work practices. This certification shall meet the requirements of Regulation 2.16, sections 3.5.11 and 4.3.5. The owner or operator shall submit the annual compliance certification (Form 9400-O) directly to the EPA and to the District, as set forth in Regulation 2.16, section 4.3.5.4, at the following addresses:

*US EPA - Region IV
Air Enforcement Branch
Atlanta Federal Center
61 Forsyth Street
Atlanta, GA 30303-8960*

*Air Pollution Control District
701 W. Ormsby Avenue, Suite 303
Louisville, Kentucky 40203-3137*

This certification must be postmarked by 15 April of the year following the year for which the certification is being submitted, or other such due date as required by another applicable regulation.

3. **Compliance Schedule** - The owner or operator shall submit a schedule of compliance for each emission unit that is not in compliance with all applicable requirements. A compliance schedule must meet the requirements of Regulation 2.16, section 3.5.9.5. A schedule of compliance shall be supplemental to, and shall not condone noncompliance with, the applicable requirements on which it is based. For each schedule of compliance, the owner or operator shall submit certified progress reports at least semi-annually, or at a more frequent period if specified in an applicable requirement or by the District in accordance with Regulation 2.16 section 4.3.4. The progress reports shall contain:
 - a. Dates for achieving the activities, milestones, or compliance required in the schedule of compliance, and dates when activities, milestones, or compliance were achieved.
 - b. An explanation of why dates in the schedule of compliance were not or will not be met, and preventive or corrective measures adopted.
4. **Duty to Supplement or Correct Application** - If the owner or operator fails to submit relevant facts or has submitted incorrect information in the permit application, they shall,

upon discovery of the occurrence, promptly submit the supplementary facts or corrected information in accordance with Regulation 2.16, section 3.4.

5. **Emergency Provision**

- a. An emergency shall constitute an affirmative defense to an enforcement action brought for noncompliance with technology-based emission limitations if the conditions in Regulation 2.16 are met. The affirmative defense of emergency shall be demonstrated through properly signed, contemporaneous operating logs, or other relevant evidence that:
 - i. An emergency occurred and that the owner or operator can identify the cause of the emergency;
 - ii. The permitted facility was at the time being properly operated;
 - iii. During the period of the emergency the owner or operator expeditiously took all reasonable steps, consistent with safe operating practices, to minimize levels of emissions that exceeded the emission standards or other requirements in this permit; and
 - iv. The owner or operator submitted notice meeting the requirements of Regulation 1.07 of the time when emissions limitations were exceeded because of the emergency. This notice must fulfill the requirement of this condition, and must contain a description of the emergency, any steps taken to mitigate emissions, and any corrective actions taken.
- b. In an enforcement proceeding, the owner or operator seeking to establish the occurrence of an emergency has the burden of proof.
- c. This condition is in addition to any emergency or upset provision contained in an applicable requirement. [Regulation 2.16, sections 4.7.1 through 4.7.4]

6. **Emission Fees Payment Requirements** - The owner or operator shall pay annual emission fees in accordance with Regulation 2.08, section 12.3. Failure to pay the emissions fees when due shall constitute a violation of District Regulations. Such failure is subject to penalties and an increase in the fee of an additional 5% per month up to a maximum of 25% of the original amount due. In addition, failure to pay emissions fees within 60 days of the due date shall automatically suspend this permit to operate until the fee is paid or a schedule for payment acceptable to the District has been established. [Regulation 2.08, section 12.2.4]

7. **Emission Offset Requirements** - The owner or operator shall comply with the requirements of Regulation 2.04.

8. **Enforceability Requirements** - Except for the conditions that are specifically designated as District-Only Enforceable Conditions, all terms and conditions of this permit, including any provisions designed to limit a source's potential to emit, are enforceable by EPA and citizens as specified under the Act. [Regulation 2.16, sections 4.2.1 and 4.2.2]

9. **Enforcement Action Defense**

- a. It shall not be a defense for the owner or operator in an enforcement action that it would have been necessary for the owner or operator to halt or reduce the

permitted activity in order to maintain compliance with the conditions of this permit.

- b. The owner or operator's failure to halt or reduce activity may be a mitigating factor in assessing penalties for noncompliance if the health, safety or environmental impacts of halting or reducing operations would be more serious than the impacts of continued operation. [Regulation 2.16, sections 4.1.13.2 and 4.1.13.3]
10. **Hazardous Air Pollutants and Sources Categories** - The owner or operator shall comply with the applicable requirements of Regulations 5.02 and 5.14.
 11. **Information Requests** - The owner or operator shall furnish to the District, within a reasonable time, information requested in writing by the District, to determine whether cause exists for revising, revoking and reissuing, or terminating this permit, or to determine compliance with this permit. The owner or operator shall also furnish, upon request, copies of records required to be kept by this permit. [Regulation 2.16, section 4.1.13.6]

If information is submitted to the District under a claim of confidentiality, the source shall submit a copy of the confidential information directly to EPA at the address shown in General Condition 35.b. [Regulation 2.07, section 10.2]
 12. **Insignificant Activities** - The owner or operator shall:
 - a. Notify the District in a timely manner of any proposed change to an insignificant activity that would require a permit revision. [Regulation 2.16, section 5]
 - b. Submit a current list of insignificant activities by April 15 of each year with the annual compliance certification, including an identification of the additions and removals of insignificant activities that occurred during the preceding year. [Regulation 2.16, section 4.3.5.3.6]
 13. **Inspection and Entry** - Upon presentation of credentials and other documents as required by law, the owner or operator shall allow the District or an authorized representative to perform the following during reasonable hours: [Regulation 2.16, section 4.3.2]
 - a. Enter the premises to inspect any emissions-related activity or records required in this permit.
 - b. Have access to and copy records required by this permit.
 - c. Inspect facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required by this permit.
 - d. Sample or monitor substances or parameters to assure compliance with this permit or any applicable requirements.
 14. **Monitoring and Related Record Keeping and Reporting Requirement** - The owner or operator shall comply with the requirements of Regulation 2.16, section 4.1.9. Unless specified elsewhere in this permit, the owner or operator shall complete required monthly record keeping within 30 days following the end of each calendar month. The owner or operator shall submit all required monitoring reports at least once every six months,

unless more frequent reporting is required by an applicable requirement. The reporting period shall be 1 January through 30 June and 1 July through 31 December of each calendar year. All reports shall be sent to the District at the address shown in paragraph 2 of these General Conditions and must be postmarked by the 60th day following the end of each reporting period, unless specified elsewhere in this permit. If surrogate operating parameters are monitored and recorded in lieu of emission monitoring, then an exceedance of multiple parameters may be deemed a single violation by the District for enforcement purposes. All reports shall include the company name, plant ID number, and the beginning and ending date of the reporting period. The compliance reports shall clearly identify any deviation from a permit requirement or a declaration that there were no such deviations. All semi-annual compliance reports shall include the statement "Based on information and belief formed after reasonable inquiry, I certify that the statements and information in this document are true, accurate, and complete" and the signature and title of a responsible official of the company.

The semi-annual compliance reports are due on or before the following dates of each calendar year:

<u>Reporting Period</u>	<u>Report Due Date</u>
January 1 - June 30	August 29
July 1 - December 31	March 1 of the following year

If a change in the responsible official (RO) occurs during the term of this permit, or if an RO is added, the owner or operator shall provide written notification (Form AP-100A) to the District within 30 calendar days of such change or addition.

15. **Off-permit Documents** - Any applicable requirements, including emission limitations, control technology requirements, or work practice standards, contained in an off-permit document cannot be changed without undergoing the permit revision procedures in Regulation 2.16, section 5. [Regulation 2.16, section 4.1.5]
16. **Operational Flexibility** - The owner or operator may make changes without permit revision in accordance with Regulation 2.16, section 5.8.
17. **Permit Amendments (Administrative)** - This permit can be administratively amended by the District in accordance with Regulation 2.16, section 5.4.
18. **Permit Application Submittal** - The owner or operator shall submit a timely and complete application for permit renewal or significant revision. If the owner or operator submits a timely and complete application then the owner or operator's failure to have a permit is not a violation until the District takes formal action on this permit application. This protection shall cease to apply if, subsequent to completeness determination, the owner or operator fails to submit, by the deadline specified in writing by the District, additional information required to process the application as required by Regulation 2.16, sections 3 and 5.2.
19. **Permit Duration** - This permit is issued for a fixed term of 5 years, in accordance with Regulation 2.16, section 4.1.8.3.
20. **Permit Renewal, Expiration and Application** - Permit renewal, expiration and application procedural requirements shall be in accordance with Regulation 2.16,

- sections 4.1.8.2 and 5.3. This permit may only be renewed in accordance with section 5.3.
21. **Permit Revisions** - No permit revision shall be required under any approved economic incentives, marketable permits, emissions trading and other similar programs or processes for changes that are provided for in the permit. [Regulation 2.16, section 4.1.16]
 22. **Permit Revision Procedures (Minor)** - Except as provided in 40 CFR Part 72, the Acid Rain Program, this permit may be revised in accordance with Regulation 2.16, section 5.5.
 23. **Permit Revision Procedures (Significant)** - A source seeking to make a significant permit revision shall meet all the Title V requirements for permit applications, issuance and Permit renewal, in accordance with Regulation 2.16, section 5.7, and all other applicable District Regulations.
 24. **Permit Termination and Revocation by the District** - The District may terminate this permit only upon written request of the owner or operator. The District may revoke a permit for cause, in accordance with Regulation 2.16, section 5.11.1 through 5.11.6. For purposes of section 5.11.1, substantial or unresolved noncompliance includes, but is not limited to:
 - a. Knowingly operating process or air pollution control equipment in a manner not allowed by an applicable requirement or that results in excess emissions of a regulated air pollutant that would endanger the public or the environment;
 - b. Failure or neglect to furnish information, analyses, plans, or specifications required by the District;
 - c. Knowingly making any false statement in any permit application;
 - d. Noncompliance with Regulation 1.07, section 4.2; or
 - e. Noncompliance with KRS Chapter 77.
 25. **Permit Shield** - The permit shield shall apply in accordance with Regulation 2.16, section 4.6.1.
 26. **Prevention of Significant Deterioration of Air Quality** - The owner or operator shall comply with the requirements of Regulation 2.05.
 27. **Property Rights** - This permit shall not convey property rights of any sort or grant exclusive privileges in accordance with Regulation 2.16, section 4.1.13.5.
 28. **Public Participation** - Except for modifications qualifying for administrative permit amendments or minor permit revision procedures, all permit proceedings shall meet the requirements of Regulations 2.07, section 1; and 2.16, sections 5.1.1.2 and 5.5.4.
 29. **Reopening For Cause** - This permit shall be reopened and revised by the District in accordance with Regulation 2.16 section 5.9.
 30. **Reopening for Cause by EPA** - This permit may be revised, revoked and reissued or terminated for cause by EPA in accordance with Regulation 2.16 section 5.10.
 31. **Risk Management Plan (112(r))** - For each process subject to section 112(r) of the Act, the owner or operator shall comply with 40 CFR Part 68 and Regulation 5.15.

- 32. **Severability Clause** - The conditions of this permit are severable. Therefore, if any condition of this permit, or the application of any condition of this permit to any specific circumstance, is determined to be invalid, the application of the condition in question to other circumstances, as well as the remainder of this permit's conditions, shall not be affected. [Regulation 2.16, section 4.1.12]
- 33. **Stack Height Considerations** - The owner or operator shall comply with the requirements of Regulation 2.10.
- 34. **Startups, Shutdowns, and Upset Conditions Requirements** - The owner or operator shall comply with the requirements of Regulation 1.07.
- 35. **Submittal of Reports, Data, Notifications, and Applications**
 - a. Applications, reports, test data, monitoring data, compliance certifications, and any other document required by this permit as set forth in Regulation 2.16 sections 3.1, 3.3, 3.4, 3.5, 4.1.13.6, 5.8.5 and 5.12 shall be submitted to:

***Air Pollution Control District
701 West Ormsby Avenue, Suite 303
Louisville, Kentucky 40203-3137***
 - b. Documents that are specifically required to be submitted to EPA, as set forth in Regulation 2.16 sections 3.3 and 5.8.5 shall be mailed to EPA at:

***US EPA - Region IV
APTMD - 12th floor
Atlanta Federal Center
61 Forsyth Street
Atlanta, GA 30303-3104***
- 36. **Other Applicable Regulations** - The owner or operator shall comply with all applicable requirements of the following:

Regulation	Title
1.01	General Application of Regulations and Standards
1.02	Definitions
1.03	Abbreviations and Acronyms
1.04	Performance Tests
1.05	Compliance With Emissions Standards And Maintenance Requirements
1.06	Source Self-Monitoring, Emission Inventory Development and Reporting
1.07	Excess Emissions During Startups, Shutdowns, and Upset Conditions
1.08	Administrative Procedures
1.09	Prohibition of Air Pollution
1.10	Circumvention
1.11	Control of Open Burning
1.14	Control of Fugitive Particulate Emissions
2.01	General Application (Permit Requirements)
2.02	Air Pollution Regulation Requirements and Exemptions

Regulation	Title
2.03	Authorization to Construct or Operate; Demolition/Renovation Notices and Permit Requirements
2.07	Public Notification for Title V, PSD, and Other Offset Permits; SIP Revisions; and Use of Emission Reduction Credits
2.09	Causes for Permit Modification, Revocation, or Suspension
2.10	Stack Height Considerations
2.11	Air Quality Model Usage
2.16	Title V Operating Permits
4.01	General Provisions for Emergency Episodes
4.02	Episode Criteria
4.03	General Abatement Requirements
4.07	Episode Reporting Requirements
5.02	Adoption and Incorporation by Reference of National Emission Standards for Hazardous Air Pollutants
6.01	General Provisions (Existing Affected Facilities)
6.02	Emission Monitoring for Existing Sources
7.01	General Provisions (New Affected Facilities)
7.02	Adoption and Incorporation by Reference of Federal New Source Performance Standards

District Only Enforceable Regulations:

Regulation	Title
1.12	Control of Nuisances
1.13	Control of Objectionable Odors
2.08	Emission Fee, Permit Fees and Permit Renewal Procedures
5.00	Definitions
5.01	General Provisions
5.20	Methodology for Determining Benchmark Ambient Concentration of a Toxic Air Contaminant
5.21	Environmental Acceptability for Toxic Air Contaminants
5.22	Procedures for Determining the Maximum Ambient Concentration of a Toxic Air Contaminant
5.23	Categories of Toxic Air Contaminants

37. **Stratospheric Ozone Protection Requirements** - Any facility having refrigeration equipment, including air conditioning equipment, which uses a Class I or II substance (listed in 40 CFR 82, Subpart A, Appendices A and B), and any facility which maintains, services, or repairs motor vehicles using a Class I or II substance as refrigerant must comply with all requirements of 40 CFR 82, Subparts A, B, and F. Those requirements include the following restrictions:

- a. Any facility having any refrigeration equipment that normally contains fifty (50) pounds of refrigerant or more must keep servicing records documenting the date and type of all service and the quantity of any refrigerant added, according to 40 CFR 82.166;
- b. No person repairing or servicing a motor vehicle may perform any service on a motor vehicle air conditioner (MVAC) involving the refrigerant for such air conditioner unless the person has been properly trained and certified as provided in 40 CFR 82.34 and 40 CFR 82.40, and properly uses equipment approved according to 40 CFR 82.36 and 40 CFR 82.38, and complies with 40 CFR 82.42;
- c. No person may sell or distribute, or offer for sale or distribution, any substance listed as a Class I or II substance in 40 CFR 82, Subpart A, Appendices A and B, except in compliance with 40 CFR 82.34(b), 40 CFR 82.42, and/or 40 CFR 82.166;
- d. No person maintaining, servicing, repairing, or disposing of appliances may knowingly vent or otherwise release into the atmosphere any Class I or II substance used as a refrigerant in such equipment and no other person may open appliances (except MVACs as defined in 40 CFR 82.152) for service, maintenance, or repair unless the person has been properly trained and certified according to 40 CFR 82.161 and unless the person uses equipment certified for that type of appliance according to 40 CFR 82.158 and unless the person observes the practices set forth in 40 CFR 82.156 and 40 CFR 82.166;
- e. No person may dispose of appliances (except small appliances, as defined in 40 CFR 82.152) without using equipment certified for that type of appliance according to 40 CFR 82.158 and without observing the practices set forth in 40 CFR 82.156 and 40 CFR 82.166;
- f. No person may recover refrigerant from small appliances, MVACs and MVAC-like appliances (as defined in 40 CFR 82.152), except in compliance with the requirements of 40 CFR 82 Subpart F;
- g. If the permittee manufactures, transforms, imports, or exports, a Class I or II substance (listed in 40 CFR 82, Subpart A, Appendices A and B), the permittee is subject to all requirements as specified in 40 CFR 82 Subpart A, Production and Consumption Controls. [Regulation 2.16, section 4.1.5]

Emission Unit U2: DF-2000 Dry-to-Dry Unit**U2 Applicable Regulations:**

FEDERALLY ENFORCEABLE REGULATIONS		
Regulation	Title	Applicable Sections
7.25	Standard of Performance for New Sources Using Volatile Organic Compounds	1, 2, 3.1, 4, & 5

U2 Equipment:

Emission Point	Description	Applicable Regulation	Control ID	Stack ID	Installation Date
E6	One (1) DF2000 dry to dry petroleum solvent dry cleaning machine. Make: Union. Model: HL-780. Installed: 2009.	7.25	C2	NA	10/2009

U2 Control Devices:

Control ID	Description	Control Efficiency	Performance Indicator	Stack ID
C2	Refrigerated condenser	NA, closed system	Temperature	F*

*Note: This equipment vents inside the building.

U2 Specific Conditions

S1. **Standards** (Regulation 2.16, section 4.1.1)

a. **VOC**

The owner or operator shall limit the plant-wide VOC emissions to 17.03 tons per 12-consecutive month period.^{1,2} (Regulation 7.25, Section 3.1)(BACT)

S2. **Monitoring and Record Keeping** (Regulation 2.16, sections 4.1.9.1 and 4.1.9.2)

The owner or operator shall maintain the following records for a minimum of 5 years and make the records readily available to the District upon request.

a. **VOC**

- i. The owner or operator shall, on a monthly basis, calculate and maintain records of the total plant-wide VOC emissions for each calendar month and each consecutive 12-month period.
- ii. The owner or operator shall record the monthly amount of solvent used.³
- iii. VOC emissions shall be calculated according to the methodology in Attachment A, unless the District approves an alternative method in writing.

S3. **Reporting** (Regulation 2.16, section 4.1.9.3)

a. **VOC**

- i. The 12 consecutive month usage of spot cleaners for each month in the reporting period.
- ii. The plant-wide 12 consecutive month VOC emissions.
- iii. Identification of all periods in which the plant-wide 12 consecutive month VOC emission limit was exceeded.

¹ Regulation 7.25 provides for the control of VOC emissions from sources constructed on or after 6/13/1979. The source is considered BACT for Regulation 7.25 since the machines are dry-to-dry machines. Plant-wide VOC emission limit is the District calculated uncontrolled potential to emit dated 8-18-2016.

² The District has removed NSPS requirements (40 CFR 60 Subpart JJJ). The EPA has determined that new dry to dry machines are exempt.

³ The District has included emissions from spot cleaner usage in the existing limits of the permit for both perchloroethylene and DF-2000 operations.

Emission Unit U3: Perc Dry-to-Dry Unit 1

U3 Applicable Regulations:

FEDERALLY ENFORCEABLE REGULATIONS		
Regulation	Title	Applicable Sections
7.25	Standard of Performance for New Sources Using Volatile Organic Compounds	1, 2, 3.1, 4 & 5
40 CFR 63 Subpart M	National Perchloroethylene Air Emission Standards for Dry Cleaning Facilities	63.320, 63.321, 63.322, 63.323, 63.324 & 63.325

DISTRICT ONLY ENFORCEABLE REGULATIONS		
Regulation	Title	Applicable Sections
5.02	Adoption of National Emission Standards for Hazardous Air Pollutants	1, 4
5.14	Hazardous Air Pollutants and Source Categories	1, 2

U3 Equipment:

Emission Point	Description	Applicable Regulation	Control ID	Stack ID	Installation Date
E11	One (1) perchloroethylene dry-to-dry cleaning machine, Make: Realstar, Model: M-8039516, with a rated capacity of 95 lb clothing per hour controlled by a carbon adsorber and a refrigerated condenser.	7.25, 40 CFR 63 Subpart M	C3, C4	NA, closed system	7/2005

U3 Control Devices:

Control ID	Description	Control Efficiency	Performance Indicator	Stack ID
C3	Refrigerated Condenser	NA, closed system	Temperature	F*
C4	Carbon Adsorber	NA, closed system	Concentration	F*

*Note: This equipment vents inside the building.

U3 Specific Conditions

S1. Standards (Regulation 2.16, section 4.1.1)

a. VOC

The owner or operator shall limit the plant-wide VOC emissions to 17.03 tons per 12-consecutive month period.⁴ (Permit 1-06-C (R1))(Regulation 7.25, Section 3.1)(BACT)

b. HAP

i. The owner or operator of each new dry-to-dry machine shall route the air-perchloroethylene gas-vapor stream contained within each dry cleaning machine through a refrigerated condenser or an equivalent control device.⁵ (40 CFR 63.322(b))

ii. The owner or operator shall close the door of each dry cleaning machine immediately after transferring articles to or from the machine, and shall keep the door closed at all other times. (40 CFR 63.322(c))

iii. The owner or operator shall operate and maintain the system according to the manufacturer's specifications and recommendations. (40 CFR 63.322(d))

iv. Each refrigerated condenser

1) Shall be operated to not vent or release the air-perchloroethylene gas-vapor stream contained within the dry cleaning machine to the atmosphere while the dry cleaning machine drum is rotating; and (40 CFR 63.322(e)(1))

2) Shall prevent air drawn into the dry cleaning machine when the door of the machine is open from passing through the refrigerated condenser (40 CFR 63.322(e)(3))

v. **Each carbon adsorber** shall not be bypassed to vent or release any air-perchloroethylene gas-vapor stream to the atmosphere at any time. (40 CFR 63.322(g))

vi. The owner or operator of an affected facility shall drain all cartridge filters in their housing, or other sealed container, for a minimum of 24 hours, or

⁴ The District has included emissions from spot cleaner usage in the existing limits of the permit for VOC operations.

⁵ Equipment in this emission unit is regulated, in part, by Federal Regulation 40 CFR 63, Subpart M "National Perchloroethylene Air Emission Standards for Dry Cleaning Facilities" which applies to dry cleaning systems constructed on or after December 9, 1991 but before December 21, 2005.

shall treat filters in an equivalent manner before removal from the dry cleaning facility. (40 CFR 63.322(i))

- vii. The owner or operator of an affected facility shall store all perchloroethylene in solvent tanks or solvent containers with no perceptible leaks. (40 CFR 63.322(j))

- viii. **Perceptible Leak Check**

The owner or operator of a dry cleaning system shall inspect the system weekly for perceptible leaks (sight, smell, touch) while the dry cleaning system is in operation. Inspection with a halogenated hydrocarbon detector or PCE gas analyzer also fulfills the requirement for inspection for perceptible leaks. The following components shall be inspected: (40 CFR 63.322(k))

- 1) Hose and pipe connections, fittings, couplings, and valves;
- 2) Door gaskets and seatings;
- 3) Filter gaskets and seatings;
- 4) Pumps;
- 5) Solvent tanks and containers;
- 6) Water separators;
- 7) Muck cookers;
- 8) Stills;
- 9) Exhaust dampers;
- 10) Diverter valves; and
- 11) All filter housings.

- ix. The owner or operator of a dry cleaning system shall repair all perceptible leaks detected within twenty-four (24) hours. If repair parts must be ordered, either a written or verbal order of those parts shall be initiated within two (2) working days of detecting such a leak. Such repair parts shall be installed within five (5) working days after receipt. (40 CFR 63.322(m))

- x. If parameter values monitored under 40 CFR 63.322(e), (f), or (g) do not meet the values specified in 40 CFR 63.323(a), (b), or (c), adjustments or repairs shall be made to the dry cleaning system or control device to meet those values. If repair parts must be ordered, either a written or verbal order for such parts shall be initiated within 2 working days of detecting such a parameter value. Such repair parts shall be installed within 5 working days after receipt. (40 CFR 63.322(n))

xi. **Probe Leak Check**

The owner or operator of a dry cleaning system shall inspect the components listed in 40 CFR 63.322(k) for vapor leaks monthly while the component is in operation. (40 CFR 63.322(o)(1))

- 1) The owner or operator shall conduct the inspections using a halogenated hydrocarbon detector (Colorimetric detector tube or Dra) or PCE gas analyzer (Photoionization detector) that is operated according to the manufacturer's instructions. The operator shall place the probe inlet at the surface of each component interface where leakage could occur and move it slowly along the interface periphery. (40 CFR 63.322(o)(1)(i))
- 2) The halogenated hydrocarbon detector shall be capable of detecting vapor concentrations of PCE of 25 parts per million by volume (ppmv) and indicating a concentration of 25 parts per million by volume (ppmv) or greater by emitting an audible or visual signal that varies as concentration changes. (40 CFR 63.321)

S2. **Monitoring and Record Keeping** (Regulation 2.16, sections 4.1.9.1 and 4.1.9.2)

The owner or operator of a dry cleaning facility shall keep receipts of perchloroethylene purchases and a log of the following information and maintain such information on site and show it upon request of the District for a period of five (5) years.

a. **VOC**

- i. The owner or operator shall monthly calculate and record the plant-wide 12 consecutive month VOC emissions.
- ii. The owner or operator shall maintain monthly records of the quantity (in gallons) of solvent used during each month for spot cleaning.
- iii. VOC emissions shall be calculated according to the methodology in Attachment A, unless the District approves an alternative method in writing.

b. **HAP**

- i. For a refrigerated condenser, the owner or operator shall weekly record the date and monitoring results (temperature sensor or pressure gauge) as specified in 40 CFR 63.323(a)(1)(ii) or 40 CFR 63.323(a)(1).
 - 1) The source shall monitor temperature of the air-perchloroethylene gas-vapor stream on the outlet side of the refrigerated condenser on a dry-to-dry machine, dryer, or reclaimer with a temperature sensor to determine if it is equal to or less than 7.2°C (45°F) before the

end of the cool down or drying cycle while the gas-vapor stream is flowing through the condenser. The temperature sensor shall be used according to the manufacturer's instructions and shall be designed to measure a temperature of 7.2°C (45°F) to an accuracy of $\pm 1.1^\circ\text{C}$ ($\pm 2^\circ\text{F}$). (40 CFR 63.323(a)(1)(ii))

OR

- 2) The source also has the option to monitor the high pressure and low pressure during the drying phase to determine if they are within the range specified in the manufacturer's operating instructions instead of the temperature. (40 CFR 63.323(a)(1))

ii. **For a carbon adsorber**

The owner or operator shall measure the concentration of PCE in the exhaust of the carbon adsorber weekly with a colorimetric detector tube or PCE gas analyzer. The measurement shall be taken while the dry cleaning machine is venting to that carbon adsorber at the end of the last dry cleaning cycle prior to desorption of that carbon adsorber or removal of the activated carbon to determine that the PCE concentration in the exhaust is equal to or less than 100 parts per million by volume. The owner or operator shall: (40 CFR 63.323(b))

- 1) Use a colorimetric detector tube or PCE gas analyzer designed to measure a concentration of 100 parts per million by volume of PCE in air to an accuracy of ± 25 parts per million by volume; and (40 CFR 63.323(b)(1))
- 2) Use the colorimetric detector tube or PCE gas analyzer according to the manufacturer's instructions; and (40 CFR 63.323(b)(2))
- 3) Provide a sampling port for monitoring within the exhaust outlet of the carbon adsorber that is easily accessible and located at least 8 stack or duct diameters downstream from any flow disturbance such as a bend, expansion, contraction, or outlet; downstream from no other inlet; and 2 stack or duct diameters upstream from any flow disturbance such as a bend, expansion, contraction, inlet, or outlet. (40 CFR 63.323(b)(3))
- 4) Record the date and monitoring results.

iii. The volume of perchloroethylene purchased each month by the dry cleaning facility as recorded from perchloroethylene purchases; if no perchloroethylene is purchased during a given month then the owner or operator would enter zero gallons into the log. (40 CFR 63.324(d)(1))

iv. The owner or operator shall perform the following calculation on the first day of every month: (40 CFR 63.323(d) and 40 CFR 63.324(d)(2))

- 1) Sum the volume of all perchloroethylene purchases made in each of the previous 12 months, as recorded in the log described in 40 CFR 63.324(d)(1); (40 CFR 63.323(d)(1))
 - 2) If no perchloroethylene purchases were made in a given month, then the perchloroethylene consumption for that month is zero gallons; (40 CFR 63.323(d)(2))
 - 3) The total sum calculated is the yearly perchloroethylene consumption at the facility. (40 CFR 63.323(d)(3))
- v. The dates when the dry cleaning system components are inspected for leaks, as specified in 40 CFR 63.322(k), (l), or (o)(1), and the name or location of dry cleaning system components where leaks are detected. (40 CFR 63.324(d)(3))
 - vi. The dates of repair and records of written or verbal orders for repair parts to demonstrate compliance with §63.322(m) and (n). (40 CFR 63.324(d)(4))
 - vii. The owner or operator of a dry cleaning facility shall retain onsite a copy of the design specifications and the operating manuals for each dry cleaning system and each emission control device located at the dry cleaning facility. (40 CFR 63.324(e))
 - viii. The owner or operator shall monitor and record the date when the cartridge filters are saturated and need to be drained. Cartridge filters shall be drained in either their housing or a sealed container for a minimum of 24 hours, or in an equivalent manner before removal from the dry cleaning facility. Log the start and stop time, and whether the cartridge filter was drained in either its housing or a sealed container. If an equivalent manner for draining is used, record the actions associated with this activity before removal of the filter from the dry cleaning facility. (Regulation 2.03, section 5.1)

S3. Reporting (Regulation 2.16, section 4.1.9.3)

The owner or operator shall timely report abnormal conditions or operational changes which may cause excess emissions.

a. VOC

- i. The 12 consecutive month usage of spot cleaners for each month in the reporting period.
- ii. The plant-wide 12 consecutive month VOC emissions.
- iii. Identification of all periods in which the plant-wide 12 consecutive month VOC emission limit was exceeded.

b. HAP

- i. The total plant-wide consecutive 12-month quantity (in gallons) of perchloroethylene used for each month in the reporting period.⁶
- ii. For the carbon adsorber:

Identification of all periods when the concentration of the air-perchloroethylene gas-vapor stream was exceeded. The compliance report shall include the date, the concentration reading observed, the reason or cause for concentration in excess of the standard, the date any repair parts are installed, a description of any corrective action taken, and measures implemented to prevent reoccurrence of the situation that resulted in concentration in excess of the required standard.
- iii. For the refrigerated condenser:

Identification of all periods when the temperature of the air-perchloroethylene gas-vapor stream did not comply with the requirements specified in the Standards section.. The compliance report shall include the date, the temperature reading observed, the reason or cause for temperatures in excess of the standard, a description of any corrective action taken, and measures implemented to prevent reoccurrence of the situation that resulted in temperatures in excess of the required standard.
- iv. For the Perceptible and Probe Leak Checks:

Identification of all periods of failure to perform the weekly and monthly equipment inspections required by this permit.
- v. Identification of all periods of failure to maintain the records required by this permit.

⁶ The District has included emissions from spot cleaner usage in the existing limits of the permit for both perchloroethylene and DF-2000 operations.

Emission Unit U4: Perc Dry-to-Dry Unit 2**U4 Applicable Regulations:**

FEDERALLY ENFORCEABLE REGULATIONS		
Regulation	Title	Applicable Sections
7.25	Standard of Performance for New Sources Using Volatile Organic Compounds	1, 2, 3.1, 4 & 5
40 CFR 63 Subpart M	National Perchloroethylene Air Emission Standards for Dry Cleaning Facilities	63.320, 63.321, 63.322, 63.323, 63.324 & 63.325

DISTRICT ONLY ENFORCEABLE REGULATIONS		
Regulation	Title	Applicable Sections
5.02	Adoption of National Emission Standards for Hazardous Air Pollutants	1, 4
5.14	Hazardous Air Pollutants and Source Categories	1, 2

U4 Equipment:

Emission Point	Description	Applicable Regulation	Control ID	Stack ID	Installation Date
E10	One (1) perchloroethylene dry-to-dry cleaning machine, Model #L-790 by Union, with a rated capacity of 90 lb clothing per hour controlled by a carbon adsorber and a refrigerated condenser.	7.25, 40 CFR 63 Subpart M	C5, C6	NA, Closed system	4/1999

U4 Control Devices:

Control ID	Description	Control Efficiency	Performance Indicator	Stack ID
C5	Refrigerated Condenser	NA, Closed system	Temperature	F*
C6	Carbon Adsorber	NA, Closed system	Concentration	F*

*Note: This equipment vents inside the building.

U4 Specific Conditions

S1. **Standards** (Regulation 2.16, section 4.1.1)

a. **VOC**

The owner or operator shall limit the plant-wide VOC emissions to 17.03 tons per 12-consecutive month period.⁷ (Regulation 7.25, section 3.1)(BACT)

b. **HAP**

i. The owner or operator of each new dry-to-dry machine shall route the air-perchloroethylene gas-vapor stream contained within each dry cleaning machine through a refrigerated condenser or an equivalent control device.⁸ (40 CFR 63.322(b))

ii. The owner or operator shall close the door of each dry cleaning machine immediately after transferring articles to or from the machine, and shall keep the door closed at all other times. (40 CFR 63.322(c))

iii. The owner or operator shall operate and maintain the system according to the manufacturer's specifications and recommendations. (40 CFR 63.322(d))

iv. **Each refrigerated condenser**

1) Shall be operated to not vent or release the air-perchloroethylene gas-vapor stream contained within the dry cleaning machine to the atmosphere while the dry cleaning machine drum is rotating; and (40 CFR 63.322(e)(1))

2) Shall prevent air drawn into the dry cleaning machine when the door of the machine is open from passing through the refrigerated condenser (40 CFR 63.322(e)(3))

v. **Each carbon adsorber** shall not be bypassed to vent or release any air-perchloroethylene gas-vapor stream to the atmosphere at any time. (40 CFR 63.322(g))

vi. The owner or operator of an affected facility shall drain all cartridge filters in their housing, or other sealed container, for a minimum of 24 hours, or shall treat filters in an equivalent manner before removal from the dry cleaning facility. (40 CFR 63.322(i))

⁷ The District has included emissions from spot cleaner usage in the existing limits of the permit for VOC operations.

⁸ Equipment in this emission unit is regulated, in part, by Federal Regulation 40 CFR 63, Subpart M "National Perchloroethylene Air Emission Standards for Dry Cleaning Facilities" which applies to dry cleaning systems constructed on or after December 9, 1991 but before December 21, 2005.

vii. The owner or operator of an affected facility shall store all perchloroethylene in solvent tanks or solvent containers with no perceptible leaks. (40 CFR 63.322(j))

viii. **Perceptible Leak Check**

The owner or operator of a dry cleaning system shall inspect the system weekly for perceptible leaks (sight, smell, touch) while the dry cleaning system is in operation. Inspection with a halogenated hydrocarbon detector or PCE gas analyzer also fulfills the requirement for inspection for perceptible leaks. The following components shall be inspected: (40 CFR 63.322(k))

- 1) Hose and pipe connections, fittings, couplings, and valves;
- 2) Door gaskets and seatings;
- 3) Filter gaskets and seatings;
- 4) Pumps;
- 5) Solvent tanks and containers;
- 6) Water separators;
- 7) Muck cookers;
- 8) Stills;
- 9) Exhaust dampers;
- 10) Diverter valves; and
- 11) All filter housings.

ix. The owner or operator of a dry cleaning system shall repair all perceptible leaks detected within twenty-four (24) hours. If repair parts must be ordered, either a written or verbal order of those parts shall be initiated within two (2) working days of detecting such a leak. Such repair parts shall be installed within five (5) working days after receipt. (40 CFR 63.322(m))

x. If parameter values monitored under 40 CFR 63.322(e), (f), or (g) do not meet the values specified in 40 CFR 63.323(a), (b), or (c), adjustments or repairs shall be made to the dry cleaning system or control device to meet those values. If repair parts must be ordered, either a written or verbal order for such parts shall be initiated within 2 working days of detecting such a parameter value. Such repair parts shall be installed within 5 working days after receipt. (40 CFR 63.322(n))

xi. **Probe Leak Check**

The owner or operator of a dry cleaning system shall inspect the components listed in 40 CFR 63.322(k) for vapor leaks monthly while the component is in operation. (40 CFR 63.322(o)(1))

1) The owner or operator shall conduct the inspections using a halogenated hydrocarbon detector (Colorimetric detector tube or Dra) or PCE gas analyzer (Photoionization detector) that is operated according to the manufacturer's instructions. The operator shall place the probe inlet at the surface of each component interface where leakage could occur and move it slowly along the interface periphery. (40 CFR 63.322(o)(1)(i))

xii. The halogenated hydrocarbon detector shall be capable of detecting vapor concentrations of PCE of 25 parts per million by volume (ppmv) and indicating a concentration of 25 parts per million by volume (ppmv) or greater by emitting an audible or visual signal that varies as concentration changes. (40 CFR 63.321)

S2. **Monitoring and Record Keeping** (Regulation 2.16, sections 4.1.9.1 and 4.1.9.2)

The owner or operator of a dry cleaning facility shall keep receipts of perchloroethylene purchases and a log of the following information and maintain such information on site and show it upon request of the District for a period of five (5) years.

a. **VOC**

- i. The owner or operator shall monthly calculate and record the plant-wide 12 consecutive month VOC emissions.
- ii. The owner or operator shall maintain monthly records of the quantity (in gallons) of solvent used during each month for spot cleaning.
- iii. VOC emissions shall be calculated according to the methodology in Attachment A, unless the District approves an alternative method in writing.

b. **HAP**

- i. For a refrigerated condenser, the owner or operator shall weekly record the date and monitoring results (temperature sensor or pressure gauge) as specified in 40 CFR 63.323(a)(1)(ii) or 40 CFR 63.323(a)(1).
 - 1) The source shall monitor temperature of the air-perchloroethylene gas-vapor stream on the outlet side of the refrigerated condenser on a dry-to-dry machine, dryer, or reclaimer with a temperature sensor to determine if it is equal to or less than 7.2°C (45°F) before the

end of the cool down or drying cycle while the gas-vapor stream is flowing through the condenser. The temperature sensor shall be used according to the manufacturer's instructions and shall be designed to measure a temperature of 7.2°C (45°F) to an accuracy of $\pm 1.1^\circ\text{C}$ ($\pm 2^\circ\text{F}$). (40 CFR 63.323(a)(1)(ii))

OR

- 2) The source also has the option to monitor the high pressure and low pressure during the drying phase to determine if they are within the range specified in the manufacturer's operating instructions instead of the temperature. (40 CFR 63.323(a)(1))

ii. **For a carbon adsorber**

The owner or operator shall measure the concentration of PCE in the exhaust of the carbon adsorber weekly with a colorimetric detector tube or PCE gas analyzer. The measurement shall be taken while the dry cleaning machine is venting to that carbon adsorber at the end of the last dry cleaning cycle prior to desorption of that carbon adsorber or removal of the activated carbon to determine that the PCE concentration in the exhaust is equal to or less than 100 parts per million by volume. The owner or operator shall: (40 CFR 63.323(b))

- 1) Use a colorimetric detector tube or PCE gas analyzer designed to measure a concentration of 100 parts per million by volume of PCE in air to an accuracy of ± 25 parts per million by volume; and (40 CFR 63.323(b)(1))
- 2) Use the colorimetric detector tube or PCE gas analyzer according to the manufacturer's instructions; and (40 CFR 63.323(b)(2))
- 3) Provide a sampling port for monitoring within the exhaust outlet of the carbon adsorber that is easily accessible and located at least 8 stack or duct diameters downstream from any flow disturbance such as a bend, expansion, contraction, or outlet; downstream from no other inlet; and 2 stack or duct diameters upstream from any flow disturbance such as a bend, expansion, contraction, inlet, or outlet. (40 CFR 63.323(b)(3))
- 4) Record the date and monitoring results.

iii. The volume of perchloroethylene purchased each month by the dry cleaning facility as recorded from perchloroethylene purchases; if no perchloroethylene is purchased during a given month then the owner or operator would enter zero gallons into the log. (40 CFR 63.324(d)(1))

iv. The owner or operator shall perform the following calculation on the first day of every month: (40 CFR 63.323(d) and 40 CFR 63.324(d)(2))

- 1) Sum the volume of all perchloroethylene purchases made in each of the previous 12 months, as recorded in the log described in 40 CFR 63.324(d)(1); (40 CFR 63.323(d)(1))
 - 2) If no perchloroethylene purchases were made in a given month, then the perchloroethylene consumption for that month is zero gallons; (40 CFR 63.323(d)(2))
 - 3) The total sum calculated is the yearly perchloroethylene consumption at the facility. (40 CFR 63.323(d)(3))
- v. The dates when the dry cleaning system components are inspected for leaks, as specified in 40 CFR 63.322(k), (l), or (o)(1), and the name or location of dry cleaning system components where leaks are detected. (40 CFR 63.324(d)(3))
 - vi. The dates of repair and records of written or verbal orders for repair parts to demonstrate compliance with §63.322(m) and (n). (40 CFR 63.324(d)(4))
 - vii. The owner or operator of a dry cleaning facility shall retain onsite a copy of the design specifications and the operating manuals for each dry cleaning system and each emission control device located at the dry cleaning facility. (40 CFR 63.324(e))
 - viii. The owner or operator shall monitor and record the date when the cartridge filters are saturated and need to be drained. Cartridge filters shall be drained in either their housing or a sealed container for a minimum of 24 hours, or in an equivalent manner before removal from the dry cleaning facility. Log the start and stop time, and whether the cartridge filter was drained in either its housing or a sealed container. If an equivalent manner for draining is used, record the actions associated with this activity before removal of the filter from the dry cleaning facility. (Regulation 2.03, section 5.1)

S3. Reporting (Regulation 2.16, section 4.1.9.3)

a. VOC

- i. The 12 consecutive month usage of spot cleaners for each month in the reporting period.
- ii. The plant-wide 12 consecutive month VOC emissions.
- iii. Identification of all periods in which the plant-wide 12 consecutive month VOC emission limit was exceeded.

b. HAP

i. The total plant-wide consecutive 12-month quantity (in gallons) of perchloroethylene used for each month in the reporting period.⁹

ii. For the carbon adsorber:

Identification of all periods when the concentration of the air-perchloroethylene gas-vapor stream was exceeded. The compliance report shall include the date, the concentration reading observed, the reason or cause for concentration in excess of the standard, the date any repair parts are installed, a description of any corrective action taken, and measures implemented to prevent reoccurrence of the situation that resulted in concentration in excess of the required standard.

iii. For the refrigerated condenser:

Identification of all periods when the temperature of the air-perchloroethylene gas-vapor stream did not comply with the requirements specified in the Standards Section. The compliance report shall include the date, the temperature reading observed, the reason or cause for temperatures in excess of the standard, a description of any corrective action taken, and measures implemented to prevent reoccurrence of the situation that resulted in temperatures in excess of the required standard.

iv. For the Perceptible and Probe Leak Checks:

Identification of all periods of failure to perform the weekly and monthly equipment inspections required by this permit.

v. Identification of all periods of failure to maintain the records required by this permit.

⁹ The District has included emissions from spot cleaner usage in the existing limits of the permit for both perchloroethylene and DF-2000 operations.

Permit Shield

The owner or operator is hereby granted a permit shield that shall apply as long as the owner or operator demonstrates ongoing compliance with all conditions of this permit. Compliance with the conditions of this permit shall be deemed compliance with all applicable requirements of the regulations cited in this permit as of the date of issuance, pursuant to Regulation 2.16, section 4.6.1.

Off-Permit Documents

There are no off permit documents associated with this Title V permit.

Alternative Operating Scenario

The company requested no alternative operating scenario in its Title V application.

Plant-wide STAR Compliance

The source consists of dry cleaners only. According to Regulation 5.00, section 1.13.4, this source is exempt from STAR program.¹⁰

Insignificant Activities

Equipment	Quantity	PTE (tpy)	Regulation Basis
Yorkshire-Shipley, model SPHV-175-N, Natural Gas Boiler (5.85 MM Btu/hr heat input capacity)	1	NO _x = 2.4 CO = 2.01	Regulation 2.16, Section 1.23

- 1) Insignificant activities identified in District Regulation 1.02, Appendix A, may be subject to size or production rate disclosure requirements pursuant to Regulation 2.16 section 3.5.4.1.4.
- 2) Insignificant activities identified in District Regulation 1.02, Appendix A shall comply with generally applicable requirements as required by Regulation 2.16 section 4.1.9.4.
- 3) The Insignificant Activities Table is correct as of the date the permit was proposed for review by U.S. EPA, Region 4.
- 4) Emissions from Insignificant Activities shall be reported in conjunction with the reporting of annual emissions of the facility as required by the District.
- 5) The owner or operator shall submit an updated list of insignificant activities that occurred during the preceding year pursuant to Regulation 2.16 section 4.3.5.3.6.

¹⁰ District letter dated 11/16/2011 (DM#: 34072) states that Sam Meyers is exempt from STAR compliance due to an Air Pollution Control Board’s decision to change regulation 5.01 “General Provisions” and its applicability to the company.

- 6) The owner or operator may elect to monitor actual throughputs for each of the insignificant activities and calculate actual annual emissions, or use Potential to Emit (PTE) to be reported on the annual emission inventory.
- 7) The District has determined pursuant to Regulation 2.16 section 4.1.9.4 that no monitoring, record keeping, or reporting requirements apply to the insignificant activities listed, except for the equipment that has an applicable regulation and permitted under an insignificant activity (IA) unit.

Emission Unit 1.A.1: Boiler

I.A.1 Applicable Regulations: ¹¹

FEDERALLY ENFORCEABLE REGULATIONS		
Regulation	Title	Applicable Sections
7.06	Standards of Performance for New Indirect Heat Exchangers	2.2
40 CFR 63 Subpart DDDDD	National Emission Standards for Hazardous Air Pollutants for Major Sources: Industrial, Commercial, and Institutional Boilers and Process Heaters	63.7480 through 63.7575

DISTRICT ENFORCEABLE REGULATIONS		
Regulation	Title	Applicable Sections
5.02	Adoption of National Emission Standards for Hazardous Air Pollutants	1, 4
5.14	Hazardous Air Pollutants and Source Categories	1, 2

I.A.1 Equipment

Emission Point	Description	Applicable Regulation	Control ID	Stack ID	Installation Date
Boiler 1	Yorkshire-Shipley, model SPHV-175-N, Natural Gas Boiler (5.85 MM Btu/hr heat input capacity)	7.06; 40 CFR 63 Subpart DDDDD	NA	NA	1986

¹¹ This source is not subject to the NSPS (40 CFR 60 Subpart Dc) for boilers because the unit was installed prior to June 9, 1989 and is less than 10 MMBtu/hr.

I.A.1 Specific Conditions

S1. Standards (Regulation 2.16, section 4.1.1)

a. HAP

- i. The owner or operator must meet each work practice standard in Table 3 to 40 CFR 63 Subpart DDDDD that applies to your boiler or process heater, for each boiler or process heater. See Attachment C.
- ii. At all times, the owner or operator must operate and maintain any affected source, including associated air pollution control equipment and monitoring equipment, in a manner consistent with safety and good air pollution control practices for minimizing emissions. Determination of whether such operation and maintenance procedures are being used will be based on information available to the Administrator that may include, but is not limited, monitoring results, review of operation and maintenance procedures, review of operation and maintenance records, and inspection of the source. (40 CFR 63.7500(a)(3))
- iii. The owner or operator must be in compliance with the emission limits, work practice standards, and operating limits in 40 CFR 63 Subpart DDDDD. These limits apply to you at all times the affected unit is operating except for the periods noted in 40 CFR 63.7500(f). (40 CFR 63.7505(a))
- iv. For existing affected sources, the owner or operator must complete the initial tune-up by following the procedures described in 40 CFR 63.7540(a)(10)(i) through (vi) no later than January 31, 2016 except as specified in 40 CFR 63.7510(j). You must complete the one-time energy assessment specified in Table 3 to 40 CFR 63 Subpart DDDDD no later than January 31, 2016, except as specified in 40 CFR 63.6(i).¹² (40 CFR 63.7510(e))
- v. The owner or operator must conduct an annual, biennial, or 5-year performance tune-up¹³ according to 40 CFR 63.7540(a)(10), (11), or (12), respectively. Each annual tune-up specified in 40 CFR 63.7540(a)(10) must be no more than 13 months after the previous tune-up. Each biennial tune-up specified in 40 CFR 63.7540(a)(11) must be conducted no more than 25 months after the previous tune-up. Each 5-year tune-up specified in 40 CFR 63.7540(a)(12) must be conducted no more than 61 months after the previous tune-up. For a new or reconstructed affected source, the first annual, biennial, or 5-year tune-up must be no later than 13 months,

¹² Sam Meyers completed the initial tune-up on 03/28/2017 and one-time energy assessment on 03/28/2017.

¹³ Due to the size of the boiler, Sam Meyers is required to conduct the tune-up biennially (every two years).

25 months, or 61 months, respectively, after the initial startup of the new or reconstructed affected source. (40 CFR 63.7515(d))

- vi. The owner or operator must demonstrate continuous compliance with the work practice standards in Table 3 to 40 CFR Subpart DDDDD according to the methods specified in 40 CFR 7540(a)(1) through (19). (40 CFR 63.7540(a))
- vii. The owner or operator of a boiler or process heater that has a heat input capacity of less than 10 million Btu per hour (except as specified in 40 CFR 63.7540(a)(12)), you must conduct a biennial tune-up of the boiler or process heater as specified in 40 CFR 63.7540(a)(10)(i) through (vi) to demonstrate continuous compliance. (40 CFR 63.7540(a)(11))

b. **PM**

The owner or operator shall not cause to be discharged into the atmosphere from that affected facility particulate matter in excess of 0.56 pounds per million BTU actual total heat input.¹⁴ (Regulation 7.06, section 4.1.4)

c. **Opacity**

The owner or operator shall not cause to be discharged into the atmosphere from any affected facility particulate matter emissions which exhibit greater than 20% opacity.¹⁵ (Regulation 7.06, section 4.2)

d. **SO₂**

The owner or operator shall not cause to be discharged into the atmosphere from that affected facility any gases which contain sulfur dioxide in excess of 1.0 pounds per million BTU actual total heat input for combustion of gaseous fuels.¹³ (Regulation 7.06, section 5.1.1)

S2. Monitoring and Record Keeping (Regulation 2.16, sections 4.1.9.1 and 4.1.9.2)

The owner or operator shall maintain the required records for a minimum of 5 years and make the records readily available to the District upon request.

¹⁴ A one-time PM and SO₂ compliance demonstration has been performed for the boiler, using AP-42 emission factors and combusting natural gas, and the pounds per million BTU emission standards cannot be exceeded. Therefore, there are no monitoring, record keeping, and reporting requirements for this boiler with respect to PM and SO₂ emission limits.

¹⁵ The District has determined that using a natural gas fired boiler should inherently meet the 20% opacity standard. Therefore, the company is not required to perform periodic monitoring to demonstrate compliance with the opacity standard.

a. **HAP**

- i. The owner or operator shall maintain on-site and submit, if requested by the Administrator (The District), a report containing the information in 40 CFR 63.7540(a)(10)(vi)(A) through (C). (40 CFR 63.7540(a)(10)(vi))
- 1) The concentrations of CO in the effluent stream in parts per million by volume, and oxygen in volume percent, measured at high fire or typical operating load, before and after the tune-up of the boiler or process heater; and (40 CFR 63.7540(10)(vi)(A))
 - 2) A description of any corrective action taken as a part of the tune-up. (40 CFR 63.7540(10)(vi)(B))
- ii. The owner or operator must keep a copy of each notification and report that you submitted to comply with 40 CFR 63 Subpart DDDDD, including all documentation supporting any Initial Notification or Notification of Compliance Status or compliance report that you submitted, according to the requirements in 40 CFR 63.10(b)(2)(xiv). (40 CFR 63.7555(a)(1))¹⁶
- iii. Records must be in a form suitable and readily available for expeditious review, according to 40 CFR 63.10(b)(1) and as specified in 40 CFR 63.10(b)(1) you must keep each record for 5 years following the date of each occurrence, measurement, maintenance, corrective action, report, or record. (40 CFR 63.7560(a) & (b))
- iv. The owner or operator must keep each record on site, or they must be accessible from on site (for example, through a computer network), for at least 2 years after the date of each occurrence, measurement, maintenance, corrective action, report, or record, according to 40 CFR 63.10(b)(1). You can keep the records off site for the remaining 3 years. (40 CFR 63.7560(c))

b. **PM**

There are no monitoring or record keeping requirements for PM compliance.

c. **Opacity**

There are no monitoring or record keeping requirements for Opacity compliance.

d. **SO₂**

There are no monitoring or record keeping requirements for SO₂ compliance.

¹⁶ An initial notification for 40 CFR 63 Subpart DDDDD was due May 31, 2013. Sam Meyers submitted the initial notification on 11/8/2016. The Notification of compliance status on 3/31/2017.

S3. Reporting (Regulation 2.16, section 4.1.9.3)**a. HAP****i. Notifications**

- 1) *General.* The owner or operator shall submit to the Administrator all of the notifications in 40 CFR 63.7(b) and (c), 63.8(e), (f)(4) and (6), and 63.9(b) through (h) that apply to you by the dates specified. (40 CFR 63.7545(a))
- 2) *Notification of Compliance Status.* The owner or operator shall submit a Notification of Compliance Status in accordance with 40 CFR 63.9(h)(2)(ii). (40 CFR 63.7545(e))
- 3) The owner or operator must include with the Notification of Compliance Status a signed certification that the energy assessment was completed according to Table 3 to 40 CFR 63 Subpart DDDDD and is an accurate depiction of your facility at the time of the assessment. (40 CFR 63.7530(e))
- 4) The owner or operator must submit the Notification of Compliance Status containing the results of the initial compliance demonstration according to the requirements in 40 CFR 63.7545(e). (40 CFR 63.7530(f))

ii. *Compliance reports.* The owner or operator shall submit compliance reports containing the information prescribed in 40 CFR 63.7550(c)(5) as applicable by the date(s) prescribed in 40 CFR 63.7550(b).

iii. *Submittal of required reports.* The owner or operator shall submit all reports required under 40 CFR 63 Subpart DDDDD in accordance with the procedures prescribed in 40 CFR 63.7550(h)(3), as applicable. (40 CFR 63.7550(h))

b. PM

There are no routine compliance reporting requirements for this equipment.

c. Opacity

There are no routine compliance reporting requirements for this equipment.

d. SO₂

There are no routine compliance reporting requirements for this equipment.

Fee Comment

On May 15, 2013, the Board approved revisions to Regulation 2.08, which implemented a new fee structure. As a result, Sam Meyers, Inc. will be required to pay annual fees.

Attachment A – District Approved Calculation Methodology

The owner or operator shall maintain the following records for a minimum of 5 years and make the records readily available to the District upon request.

a. **VOC**

- i. The owner or operator shall calculate the VOC emissions from the Union, model HL-780 dry-to-dry machine using DF-2000 (E6) and spot cleaner based on solvent usage and emission factors stated in the Table below.

Emission Source	VOC content	Emission Factor Sources
DF-2000	8.35 lb/gallon	District standard
Spot cleaner	7.0 lb/gallon	District standard

- ii. Using the above Emission Factor, calculate the tons per year VOC emissions as follows:

$$E_{VOC} = (X)(EF \text{ lb/gallon})(1 \text{ ton}/2000 \text{ lb.})$$

Where: E_{VOC} = VOC emissions (tons)

X = the amount of solvent usage (gallons) used annually

- iii. The owner or operator shall account for the insignificant activity VOC emissions from spot cleaning when totaling the annual plant-wide emissions. Since the emissions are minor the owner or operator may use the potential VOC emissions as the annual emissions. District approved PTE is as follows:

- Realstar dry-to-dry unit (E11) = 2.72 ton VOC/year
- Union dry-to-dry unit (E-10) = 2.58 ton VOC/year

- iv. The owner or operator shall monthly calculate the VOC emissions from boiler operation based on fuel combustion and the emission factor stated in the Table below unless another method is approved in writing by the District.

Emission Source	VOC	Emission Factor Sources
Boiler burning natural gas	5.5 lb/mmcf	AP-42 Chapter 1.4-2

- v. Using the above Emission Factors, calculate the tons per month VOC emissions is as follows:

$$E_{VOC} = (X)(EF \text{ lb/ton})(1 \text{ ton}/2000 \text{ lb.})$$

Where: E_{VOC} = VOC emissions (tons) during a consecutive 12-month period

X = the amount of natural gas combusted (mmcf), during a consecutive 12-month period

vi. The owner or operator shall account for the insignificant activity VOC emissions from Boiler 1 when totaling the annual plant-wide emissions. Since the emissions are minor the owner or operator may use the potential VOC emissions as the annual emissions. District approved PTE is as follows:

- Boiler 1 (I.A.1) = 0.13 ton VOC/year

b. HAP

i. The owner or operator shall calculate the HAP emissions from the PERC dry-to-dry cleaning machines (E11, E10) and spot cleaner based on solvent usage and emission factors stated in the Table below.

Emission Source	HAP content	Emission Factor Sources
Perchloroethylene	8.35 lb/gallon	District standard
Ethylbenzene	0.25 lb/gallon	District standard
Xylene	0.86 lb/gallon	District standard

ii. Using the above Emission Factor, calculate the tons per year HAP emissions, as follows:

$$E_{HAP} = (X)(EF \text{ lb/gallon})(1 \text{ ton}/2000 \text{ lb.})$$

Where: E_{HAP} = HAP emissions (tons)

X = the amount of solvent usage (gallons) used annually

iii. The owner or operator shall account for the insignificant activity HAP emissions from spot cleaning when totaling the annual plant-wide emissions. Since the emissions are minor the owner or operator may use the potential HAP emissions as the annual emissions. District approved PTE is as follows:

- Union, model HL-780 (E6) = 0.15 ton xylene/year
- Union, model HL-780 (E6) = 0.04 ton ethylbenzene/year

iv. The owner or operator shall monthly calculate the HAP emissions from boiler operation based on fuel combustion and the emission factor stated in the Table below unless another method is approved in writing by the District.

Emission Source	HAP	Emission Factor Sources
Boiler burning natural gas	1.89 lb/mmcf	AP-42 Chapter 1.4-3

- v. Using the above Emission Factors, calculate the tons per month HAP emissions is as follows:

$$E_{HAP} = (X)(EF \text{ lb/ton})(1 \text{ ton}/2000 \text{ lb.})$$

Where: E_{HAP} = HAP emissions (tons) during a consecutive 12-month period

X = the amount of natural gas combusted (mmcf), during a consecutive 12-month period

- vi. The owner or operator shall account for the insignificant activity HAP emissions from Boiler 1 when totaling the annual plant-wide emissions. Since the emissions are minor the owner or operator may use the potential HAP emissions as the annual emissions. District approved PTE is as follows:

- Boiler 1 (I.A.1) = 0.045 ton HAP/year

c. PM₁₀

- i. The owner or operator shall monthly calculate the PM₁₀ emissions from boiler operation based on fuel combustion and the emission factor stated in the Table below unless another method is approved in writing by the District.

Emission Source	PM ₁₀	Emission Factor Sources
Boiler burning natural gas	7.6 lb/mmcf	AP-42 Chapter 1.4-2

- ii. Using the above Emission Factors, calculate the tons per month PM₁₀ emissions is as follows:

$$E_{PM10} = (X)(EF \text{ lb/ton})(1 \text{ ton}/2000 \text{ lb.})$$

Where: E_{PM10} = PM₁₀ emissions (tons) during a consecutive 12-month period

X = the amount of natural gas combusted (mmcf), during a consecutive 12-month period

- iii. The owner or operator shall account for the insignificant activity PM₁₀ emissions from Boiler 1 when totaling the annual plant-wide emissions. Since the emissions are minor the owner or operator may use the potential PM₁₀ emissions as the annual emissions. District approved PTE is as follows:

- Boiler 1 (I.A.1) = 0.18 ton PM₁₀/year

d. **SO₂**

- i. The owner or operator shall monthly calculate the SO₂ emissions from boiler operation based on fuel combustion and the emission factor stated in the Table below unless another method is approved in writing by the District.

Emission Source	SO ₂	Emission Factor Sources
Boiler burning natural gas	0.6 lb/mmcf	AP-42 Chapter 1.4-2

- ii. Using the above Emission Factors, calculate the tons per month SO₂ emissions is as follows:

$$E_{SO_2} = (X)(EF \text{ lb/ton})(1 \text{ ton}/2000 \text{ lb.})$$

Where: E_{SO₂} = SO₂ emissions (tons) during a consecutive 12-month period

X = the amount of natural gas combusted (mmcf), during a consecutive 12-month period

- iii. The owner or operator shall account for the insignificant activity HAP emissions from Boiler 1 when totaling the annual plant-wide emissions. Since the emissions are minor the owner or operator may use the potential HAP emissions as the annual emissions. District approved PTE is as follows:

- Boiler 1 (I.A.1) = 0.001 ton SO₂/year

Attachment B – Protocol Checklist for a Performance Test

A completed protocol should include the following information:

- 1. Facility name, location, and ID #;
- 2. Responsible Official and environmental contact names;
- 3. Permit numbers that are requiring the test to be conducted;
- 4. Test methods to be used (i.e. EPA Method 1, 2, 3, 4, and 5);
- 5. Alternative test methods or description of modifications to the test methods to be used;
- 6. Purpose of the test including equipment and pollutant to be tested; the purpose may be described in the permit that requires the test to be conducted or may be to show compliance with a federal regulation or emission standard;
- 7. Tentative test dates (These may change but the District will need final notice at least 10 days in advance of the actual test dates in order to arrange for observation.);
- 8. Maximum rated production capacity of the system;
- 9. Production-rate goal planned during the performance test for demonstration of compliance (if appropriate, based on limits);
- 10. Method to be used for determining rate of production during the performance test;
- 11. Method to be used for determining rate of production during subsequent operations of the process equipment to demonstrate compliance;
- 12. Description of normal operation cycles;
- 13. Discussion of operating conditions that tend to cause worse case emissions; it is especially important to clarify this if worst case emissions do not come from the maximum production rate;
- 14. Process flow diagram;
- 15. The type and manufacturer of the control equipment, if any;
- 16. The control equipment (baghouse, scrubber, condenser, etc.) parameter to be monitored and recorded during the performance test. Note that this data will be used to ensure representative operation during subsequent operations. These parameters can include pressure drops, flow rates, pH, and temperature. The values achieved during the test may be required during subsequent operations to describe what pressure drops, etcetera, are indicative of good operating performance; and
- 17. How quality assurance and accuracy of the data will be maintained, including;
 - Sample identification and chain-of-custody procedures
 - If audit samples are required for this test method, audit sample provider and number of audit samples to be used
- 18. Pipe, duct, stack, or flue diameter to be tested;
- 19. Distances from the testing sample ports to the nearest upstream and downstream flow disturbances such as bends, valves, constrictions, expansions, and exit points for outlet and additionally for inlet;
- 20. Determine number of traverse points to be tested for outlet and additionally for inlet if required using Appendix A-1 to 40 CFR Part 60;
 - Method 1 if stack diameter is >12"
 - Method 1a if stack diameter is greater than or equal to 4" and less than 12"
 - Alternate method of determination for <4"
 - If a sample location at least two stack or duct diameters downstream and half a diameter upstream from any flow disturbance is not available then an alternative procedure is available for determining the acceptability of a measurement location. This procedure described in Method 1, Section 11.5 allows for the determination of gas flow angles at the sampling points and comparison of the measured results with acceptability criteria.
- 21. The Stack Test Review fee shall be submitted with each stack test protocol.

Attachment C – 40 CFR 63 Subpart DDDDD Table 3

Table 3 to Subpart DDDDD of Part 63 —Work Practice Standards	
If your unit is...	You must meet the following...
<p>2. A new or existing boiler or process heater without a continuous oxygen trim system and with heat input capacity of less than 10 million Btu per hour in the unit designed to burn heavy liquid or unit designed to burn solid fuel subcategories; or a new or existing boiler or process heater with heat input capacity of less than 10 million Btu per hour, but greater than 5 million Btu per hour, in any of the following subcategories: unit designed to burn gas 1; unit designed to burn gas 2 (other); or unit designed to burn light liquid</p>	<p>Conduct a tune-up of the boiler or process heater biennially as specified in § 63.7540.</p>
<p>4. An existing boiler or process heater located at a major source facility, not including limited use units</p>	<p>Must have a one-time energy assessment performed by a qualified energy assessor. An energy assessment completed on or after January 1, 2008, that meets or is amended to meet the energy assessment requirements in this table, satisfies the energy assessment requirement. A facility that operated under an energy management program developed according to the ENERGY STAR guidelines for energy management or compatible with ISO 50001 for at least one year between January 1, 2008 and the compliance date specified in § 63.7495 that includes the affected units also satisfies the energy assessment requirement. The energy assessment must include the following with extent of the evaluation for items a. to e. appropriate for the on-site technical hours listed in § 63.7575:</p> <ul style="list-style-type: none"> a. A visual inspection of the boiler or process heater system. b. An evaluation of operating characteristics of the boiler or process heater systems, specifications of energy using systems, operating and maintenance procedures, and unusual operating constraints. c. An inventory of major energy use systems consuming energy from affected boilers and process heaters and which are under the control of the boiler/process heater owner/operator. d. A review of available architectural and engineering plans, facility operation and maintenance procedures and logs, and fuel usage. e. A review of the facility's energy management program and provide recommendations for improvements consistent with the definition of energy management program, if identified. f. A list of cost-effective energy conservation measures that are within the facility's control. g. A list of the energy savings potential of the energy conservation measures identified. h. A comprehensive report detailing the ways to improve efficiency, the cost of specific improvements, benefits, and the time frame for recouping those investments.

Attachment D – 40 CFR 63 Subpart DDDDD**Table 10** to Subpart DDDDD of Part 63 —Applicability of General Provisions to Subpart DDDDD

Citation	Subject	Applies to subpart DDDDD
§63.1	Applicability	Yes.
§63.2	Definitions	Yes. Additional terms defined in §63.7575
§63.3	Units and Abbreviations	Yes.
§63.4	Prohibited Activities and Circumvention	Yes.
§63.5	Preconstruction Review and Notification Requirements	Yes.
§63.6(a), (b)(1)-(b)(5), (b)(7), (c)	Compliance with Standards and Maintenance Requirements	Yes.
§63.6(e)(1)(i)	General duty to minimize emissions.	No. See §63.7500(a)(3) for the general duty requirement.
§63.6(e)(1)(ii)	Requirement to correct malfunctions as soon as practicable.	No.
§63.6(e)(3)	Startup, shutdown, and malfunction plan requirements.	No.
§63.6(f)(1)	Startup, shutdown, and malfunction exemptions for compliance with non-opacity emission standards.	No.
§63.6(f)(2) and (3)	Compliance with non-opacity emission standards.	Yes.
§63.6(g)	Use of alternative standards	Yes.
§63.6(h)(1)	Startup, shutdown, and malfunction exemptions to opacity standards.	No. See §63.7500(a).
§63.6(h)(2) to (h)(9)	Determining compliance with opacity emission standards	Yes.
§63.6(i)	Extension of compliance	Yes. Note: Facilities may also request extensions of compliance for the installation of combined heat and power, waste heat recovery, or gas pipeline or fuel feeding infrastructure as a means of complying with this subpart.
§63.6(j)	Presidential exemption.	Yes.
§63.7(a), (b), (c), and (d)	Performance Testing Requirements	Yes.
§63.7(e)(1)	Conditions for conducting performance tests	No. Subpart DDDDD specifies conditions for conducting performance tests at §63.7520(a) to (c).
§63.7(e)(2)-(e)(9), (f), (g), and (h)	Performance Testing Requirements	Yes.
§63.8(a) and (b)	Applicability and Conduct of Monitoring	Yes.
§63.8(c)(1)	Operation and maintenance of CMS	Yes.
§63.8(c)(1)(i)	General duty to minimize emissions and CMS operation	No. See §63.7500(a)(3).
§63.8(c)(1)(ii)	Operation and maintenance of CMS	Yes.
§63.8(c)(1)(iii)	Startup, shutdown, and malfunction plans for CMS	No.
§63.8(c)(2) to (c)(9)	Operation and maintenance of CMS	Yes.

Citation	Subject	Applies to subpart DDDDD
§63.8(d)(1) and (2)	Monitoring Requirements, Quality Control Program	Yes.
§63.8(d)(3)	Written procedures for CMS	Yes, except for the last sentence, which refers to a startup, shutdown, and malfunction plan. Startup, shutdown, and malfunction plans are not required.
§63.8(e)	Performance evaluation of a CMS	Yes.
§63.8(f)	Use of an alternative monitoring method.	Yes.
§63.8(g)	Reduction of monitoring data	Yes.
§63.9	Notification Requirements	Yes.
§63.10(a), (b)(1)	Recordkeeping and Reporting Requirements	Yes.
§63.10(b)(2)(i)	Recordkeeping of occurrence and duration of startups or shutdowns	Yes.
§63.10(b)(2)(ii)	Recordkeeping of malfunctions	No. See §63.7555(d)(7) for recordkeeping of occurrence and duration and §63.7555(d)(8) for actions taken during malfunctions.
§63.10(b)(2)(iii)	Maintenance records	Yes.
§63.10(b)(2)(iv) and (v)	Actions taken to minimize emissions during startup, shutdown, or malfunction	No.
§63.10(b)(2)(vi)	Recordkeeping for CMS malfunctions	Yes.
§63.10(b)(2)(vii) to (xiv)	Other CMS requirements	Yes.
§63.10(b)(3)	Recordkeeping requirements for applicability determinations	No.
§63.10(c)(1) to (9)	Recordkeeping for sources with CMS	Yes.
§63.10(c)(10) and (11)	Recording nature and cause of malfunctions, and corrective actions	No. See §63.7555(d)(7) for recordkeeping of occurrence and duration and §63.7555(d)(8) for actions taken during malfunctions.
§63.10(c)(12) and (13)	Recordkeeping for sources with CMS	Yes.
§63.10(c)(15)	Use of startup, shutdown, and malfunction plan	No.
§63.10(d)(1) and (2)	General reporting requirements	Yes.
§63.10(d)(3)	Reporting opacity or visible emission observation results	No.
§63.10(d)(4)	Progress reports under an extension of compliance	Yes.
§63.10(d)(5)	Startup, shutdown, and malfunction reports	No. See §63.7550(c)(11) for malfunction reporting requirements.
§63.10(e)	Additional reporting requirements for sources with CMS	Yes.
§63.10(f)	Waiver of recordkeeping or reporting requirements	Yes.
§63.11	Control Device Requirements	No.
§63.12	State Authority and Delegation	Yes.
§63.13-63.16	Addresses, Incorporation by Reference, Availability of Information, Performance Track Provisions	Yes.

Citation	Subject	Applies to subpart DDDDD
§63.1(a)(5),(a)(7)-(a)(9), (b)(2), (c)(3)-(4), (d), 63.6(b)(6), (c)(3), (c)(4), (d), (e)(2), (e)(3)(ii), (h)(3), (h)(5)(iv), 63.8(a)(3), 63.9(b)(3), (h)(4), 63.10(c)(2)-(4), (c)(9).	Reserved	No.