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Puget Sound Clean Air Agency

AIR OPERATING PERMIT

Puget Sound Clean Air Agency
1904 Third Ave, Suite 105
Seattle, WA 98101

Issued in accordance with the provisions of Puget Sound Clean Air Agency Regulation I, Article 7 and Chapter 173-401 WAC.

Pursuant to Puget Sound Clean Air Agency Regulation I, Article 7 and Chapter 173-401 WAC, Arclin Surfaces, LLC (the permittee) is authorized to operate subject to the terms and conditions in this permit.

PERMIT NO.: 12048	**DATE OF ISSUANCE: April 20, 2016**
ISSUED TO: Arclin Surfaces, LLC	
PERMIT EXPIRATION DATE: April 20, 2021	

SIC Code, Primary:	2672
NAICS Code	322222
Nature of Business:	Coated and Laminated Paper Manufacturing
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Facility Address:	2144 Milwaukee Way, Tacoma, WA 98421
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Puget Sound Clean Air Agency Approval:

Margaret Corbin
Engineer

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Compliance Manager

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I. EMISSION LIMITS AND PERFORMANCE STANDARDS

The following tables list the citation for the "applicable requirement" and the adoption or effective date. In some cases, the effective dates of the "Federally Enforceable" requirement and the "*STATE ONLY*" requirement are different because either the state (or local authority) has not submitted the regulation to the EPA for approval into the State Implementation Plan (SIP), or the state (or local authority) has submitted it and the EPA has not yet approved it. "*STATE ONLY*" adoption dates are in italicized font, and shall be understood to include the Washington Department of Ecology and the Puget Sound Clean Air Agency. When the EPA does approve the new requirement into the SIP, the old requirement will be replaced and superseded by the new requirement. This replacement will take place automatically, with no changes being made to this permit until the permit is renewed. The new requirement will be enforceable by the EPA as well as the Puget Sound Clean Air Agency from the date that it is adopted into the SIP, and the old requirement will no longer be an applicable requirement.

The first column is used as an identifier for the requirement, and the third (Requirement Paraphrase) column paraphrases the requirement. The first and third columns are for information only and are not enforceable conditions of this permit. The actual enforceable requirement is embodied in the requirement cited in the second and fourth columns.

The fifth and last column (Reference Test Method) identifies the reference method that is to be used when a source test is required. In some cases where the applicable requirement does not cite a test method, one has been added. When the last column contains "N/A" this means a test method is not applicable to the requirement.

In the event of conflict or omission between the information contained in this table and the actual statute or regulation cited in the second column, the requirements and language of the actual statute or regulation cited shall govern. For more information regarding any of the requirements cited in the second column, refer to the actual requirements cited.

A. FACILITY-WIDE APPLICABLE REQUIREMENTS

The requirements in this section apply facility-wide to all the emission units regulated by this permit except that monitoring methods specified elsewhere in the permit for specific applicable requirements at specific emission units supersede the general monitoring requirements listed in Section I.A.

Table 1 Facility-Wide Applicable Requirements

Reqmt No.	Enforceable Requirement	Requirement Paraphrase (Information Only)	Monitoring Method	Reference Test Method (See Section VIII)
Opacity and Particulate Standards				
I.A.1	Puget Sound Clean Air Agency Reg I: 9.03 (3/11/99) *(3/25/04, STATE ONLY)* WAC 173-400-040(2) (4/1/11)	Shall not emit air contaminants which exhibit greater than 20% opacity for a period or periods aggregating more than 3 minutes in any hour	II.A.1 Opacity Monitoring	Ecology Method 9A
I.A.2	Puget Sound Clean Air Agency Reg I: 9.09 (4/9/98)	Shall not emit particulate matter in excess of 0.05 gr/dscf from equipment used in a manufacturing process	II.A.1 Opacity Monitoring	Puget Sound Clean Air Agency Method 5
I.A.3	Puget Sound Clean Air Agency Reg I: 9.09 (4/9/98)	Shall not emit particulate matter in excess of 0.05 gr/dscf corrected to 7% O_2 from fuel burning equipment	II.A.1 Opacity Monitoring	Puget Sound Clean Air Agency Method 5
I.A.4	WAC 173-400-060 (2/10/05)	Shall not emit particulate matter in excess of 0.1 gr/dscf from general process units	II.A.1 Opacity Monitoring	EPA Method 5
I.A.5	WAC 173-400-050(1) WAC 173-400-050(3) (12/29/12)	Shall not emit particulate matter in excess of 0.1 gr/dscf corrected to 7% O_2 from combustion and incineration units	II.A.1 Opacity Monitoring	EPA Method 5
Fugitive Emissions Standards				
I.A.6	WAC 173-400-040(4) WAC 173-400-040(9) (4/1/11)	Shall take reasonable precautions to prevent release of fugitive dust Shall maintain and operate source to minimize fugitive dust emissions	II.A.2 Facility-wide Inspection Monitoring II.A.3 Nuisance Monitoring	N/A
I.A.7	Puget Sound Clean Air Agency Reg. I: 9.15(a) (3/11/99)	Shall not emit visible emissions of fugitive dust unless reasonable precautions are employed to minimize the emissions. Reasonable precautions include measures listed in regulation.	II.A.2 Facility-wide Inspection Monitoring II.A.3 Nuisance Monitoring	N/A
Impacts to Human Health, Plant or Animal Life, Property				
I.A.8	Puget Sound Clean Air Agency Reg I: 9.11(a) *(3/11/99, STATE ONLY)* WAC 173-400-040(6) (4/1/11)	Shall not cause or allow the emission of any air contaminant from any source in sufficient quantities and of such characteristics and duration as is, or is likely to be, injurious to human health, plant or animal life, or property, or which unreasonably interferes with enjoyment of life and property	II.A.2 Facility-wide Inspection Monitoring II.A.3 Complaint Response	N/A

Reqmt No.	Enforceable Requirement	Requirement Paraphrase (Information Only)	Monitoring Method	Reference Test Method (See Section VIII)
I.A.9	WAC 173-400-040(5) *(4/1/11, STATE ONLY)*	Shall use recognized good practice and procedures to reduce to a minimum odors which may unreasonably interfere with any other property owners' use and enjoyment of their property	II.A.2 Facility-wide Inspection Monitoring II.A.3 Nuisance Monitoring	N/A
I.A.10	WAC 173-400-040(3) *(4/1/11, STATE ONLY)*	Shall not deposit particulate matter beyond property boundary in sufficient quantity to interfere unreasonably with the use and enjoyment of the property	II.A.2 Facility-wide Inspection Monitoring II.A.3 Nuisance Monitoring	
SO_2 Standards				
I.A.11	Puget Sound Clean Air Agency Reg I: 9.07 (4/14/94) WAC 173-400-040(7) *(4/1/11)*	Shall not emit SO_2 in excess of 1,000 ppmv (dry) corrected to 7% O_2 for fuel burning equipment	No monitoring required	EPA Method 6C
HCl Standards				
I.A.12	Puget Sound Clean Air Agency Reg. I: 9.10(a) *(6/9/88, STATE ONLY)*	Shall not emit HCl in excess of 100 ppm (dry) corrected to 7% O_2 for combustion sources	No monitoring required	EPA Method 26A
Operations and Maintenance Standards				
I.A.13	Puget Sound Clean Air Agency Reg. I: 9.20(b) (6/9/88)	Shall maintain equipment and control equipment not subject to PSCAA Reg I Article 6 in good working order	II.A.2 Facility-Wide Inspection Monitoring II.B Operation and Maintenance Plan Requirement	N/A
I.A.14	Puget Sound Clean Air Agency Reg I: 7.09(b) (9/10/98) *(9/25/08, STATE ONLY)*	Shall develop and implement an O & M Plan to assure continuous compliance with Puget Sound Clean Air Agency Regulations I, II and III. The plan shall reflect good industrial practice. It shall include the elements described in Reg. I: 7.09(b). Shall review the O&M Plan at least annually and update it as needed to reflect any changes in good industrial practice. The specific provisions of the O&M Plan shall not be deemed part of this permit.	II.B Operation and Maintenance Plan Requirement	N/A
General				
I.A.15	RCW 70.94.040 *(1980, State Only)*	Shall not cause air pollution in violation of 70.94 RCW or any ordinance, resolution, rule or regulation adopted thereunder.	No monitoring required	N/A
I.A.16	Puget Sound Clean Air Agency Reg I: 6.11 *(9/26/02, State Only)*	It shall be unlawful for any person to cause or allow the operation of any source in violation of any provision of Part 60, Title 40, of the Code of Federal Regulations in effect as of the federal regulation reference date listed in PSCAA Regulation I Section 3.25 herein incorporated by reference.	II.A.2 Facility-wide Inspection Monitoring	N/A

Reqmt No.	Enforceable Requirement	Requirement Paraphrase (Information Only)	Monitoring Method	Reference Test Method (See Section VIII)
I.A.17	Puget Sound Clean Air Agency Reg III: 2:02 *(9/24/09, State Only)*	It shall be unlawful for any person to cause or allow the operation of any source in violation of any provision of Part 61 or Part 63, Title 40, of the Code of Federal Regulations in effect as of the federal regulation reference date listed in Section 3.25 of Regulation I herein incorporated by reference.	II.A.2 Facility-wide Inspection Monitoring	N/A

N/A = NOT APPLICABLE

B. Emission Unit Specific Applicable Requirements.

The requirements in Section I.B. only apply to the specific emission units cited; however, the requirements in Section I.A also apply. If the monitoring and recordkeeping method for any requirement in Section I.A is more extensive for specific emission units, the requirement is repeated in this section with the additional monitoring and recordkeeping requirements.

Emission Unit #1 (EU-1): Coating Lines

This emission unit consists of the coating lines and the associated oxidizers listed below. The pilot treater is operated as research equipment only as defined in 40 CFR 63.3310.

Source Identification	*Source Description*	*Control Equipment*	*Order of Approval*	*Date Installed/ Modified*
Coating Line 1	*Phenolic/Formaldehyde VITS PT528 IPA/N Paper Impregnation Line, including a Toccio Dryer (natural gas)*	*Adwest Technologies ReTox Regenerative Thermal Oxidizer*	*Order of Approval 9326 (April 20, 2016)*	*2005*
Coating Line 3	*VITS Model PT697 Decorative Coating Line (natural gas)*	*Grace TEC Systems Catalytic Oxidizer*	*Order of Approval 9326 (April 20, 2016)*	*1997*
Coating Line 4	*VITS Model PT749 Decorative Coating Line (natural gas)*	*MEGTEC Magnum Catalytic Thermal Oxidizer*	*Order of Approval 9326 (April 20, 2016)*	*1999*
Pilot Treater	*Pilot Treater*	*MEGTEC Magnum Catalytic Thermal Oxidizer*	*Order of Approval 9326 (April 20, 2016)*	*1993*

Table 2 Emission Unit #1 (EU-1): Coating Lines

Reqmt No.	Applicable Requirement	Requirement Paraphrase (Information Only)	Monitoring Method	Reference Test Method (See Section VIII)
I.B.1	PSCAA Order of Approval No. 9326, Condition 3 04/20/16	Shall not exceed 5% opacity from any oxidizer for more than 3 minutes in any consecutive 60-minute period.	II.A.1 Opacity Monitoring	Ecology Method 9A
I.B.2	PSCAA Reg. II: 3.03 (2/10/94) PSCAA Order of Approval No. 9326, Condition 8 (04/20/16)	Shall not apply any coating with a VOC content in excess of 2.9 lb/gal, excluding water. Use of oxidizers to control VOC emissions from coating lines 1, 3 and 4 was approved as an alternative means of compliance in accordance with Regulation I, Section 3.23.	II.C.1 VOC Source Testing II.C.2 Thermal Oxidizer Monitoring II.C.3 Catalytic Oxidizer Monitoring II.C.4 Capture System Monitoring	For equivalent emission control by thermal or catalytic oxidation: EPA Method 25A
I.B.3	PSCAA Order of Approval No. 9326, Condition 4 (04/20/16)	Shall operate the thermal oxidizer for line 1 with a VOC control efficiency of ≥98%.	II.C.1 VOC Source Testing II.C.2 Thermal Oxidizer Monitoring II.C.4 Capture System Monitoring	EPA Method 25A
I.B.4	PSCAA Order of Approval No. 9326, Condition 5 (04/20/16)	Shall operate a catalytic oxidizer for line 3 with a VOC control efficiency of ≥95%.	II.C.1 VOC Source Testing II.C.3 Catalytic Oxidizer Monitoring II.C.4 Capture System Monitoring	EPA Method 25A
I.B.5	PSCAA Order of Approval No. 9326, Condition 5 (04/20/16)	Shall operate a catalytic oxidizer for line 4 with a VOC control efficiency of ≥95%.	II.C.1 VOC Source Testing II.C.3 Catalytic Oxidizer Monitoring II.C.4 Capture System Monitoring	EPA Method 25A
I.B.6	PSCAA Order of Approval No. 9326, Condition 7 (04/20/16)	Maintain documentation confirming the capture system associated with each oxidizer is a permanent total enclosure that meets the requirements of section 6 of EPA Method 204 of 40 CFR part 61, appendix M and that all exhaust gases from the enclosure are delivered to a control device. The building may be a permanent total enclosure if it meets these criteria.	Maintain records	EPA Method 204
I.B.7	40 CFR 63.3370 12/4/02 40 CFR 63.6(c) 10/17/00	Compliance with the standards in the Paper Coating NESHAP 40 CFR Part 63 Subpart JJJJ shall be determined according to the requirements in 40 CFR 63.6 and 40 CFR 63.3370.	No monitoring required	N/A

Reqmt No.	Applicable Requirement	Requirement Paraphrase (Information Only)	Monitoring Method	Reference Test Method (See Section VIII)
I.B.8	40 CFR 63.3320(b) 40 CFR 63.3370(e) 40 CFR 63.3370(p)(3) 40 CFR 63.3370(k)(3)(i) (12/4/02) 40 CFR 63.4(a)(1) (4/5/02)	Shall operate the capture system and oxidizers with an overall HAP control efficiency of ≥95% or an outlet HAP concentration of ≤20 ppmvd if capture efficiency is 100%. *(Does not apply to pilot treater operations.)*	II.C.1 VOC Source Testing II.C.2 Thermal Oxidizer Monitoring II.C.3 Catalytic Oxidizer Monitoring II.C.4 Capture System Monitoring	EPA Method 25A
I.B.9	40 CFR 63.3321(a) 40 CFR 63.3370(k)(3) (12/4/02) 40 CFR 63.4(a)(1) (4/5/02)	Shall operate the thermal oxidizer such that: a. the average combustion temperature is at or greater than the combustion temperature limit established during the [most recent] performance test [demonstrating compliance] for each 3-hour period; and b. the capture system operating parameter operated at an average value at or greater than the operating parameter included in the site-specific capture system monitoring plan set in accordance with 40 CFR 63.3350(f) The parameters established above shall be incorporated into the facility O&M Plan required in Section II.B. Any changes to these parameters shall be incorporated into the plan within 30 days of obtaining the final results from a performance test demonstrating compliance. The permittee must meet these operating limits at all times. Failure to meet these limits is a deviation of the emission limit. *(Does not apply to pilot treater operations.)*	II.C.2 Thermal Oxidizer Monitoring II.C.4 Capture System Monitoring	N/A

Reqmt No.	Applicable Requirement	Requirement Paraphrase (Information Only)	Monitoring Method	Reference Test Method (See Section VIII)
I.B.10	40 CFR 63.3321(a) 40 CFR 63.3370(k)(3) (12/4/02) 40 CFR 63.4(a)(1) (4/5/02)	Shall operate each catalytic oxidizer such that: a. the average temperature at the inlet to the catalyst bed is at or greater than the temperature limit established during the [most recent] performance test [demonstrating compliance] for each 3-hour period; b. the temperature rise across the catalyst is at or greater than the limit established during the [most recent] performance test [demonstrating compliance]; and c. the capture system operating parameter operated at an average value is at or greater than the operating parameter included in the site-specific capture system monitoring plan set in accordance with 40 CFR 63.3350(f) The parameters established above shall be incorporated into the facility O&M Plan required in Section II.B. Any changes to these parameters shall be incorporated into the plan within 30 days of obtaining the final results from a performance test demonstrating compliance. The permittee must meet these operating limits at all times. Failure to meet these limits is a deviation of the emission limit. *(Does not apply to pilot treater operations.)*	II.A.7 Catalytic Oxidizer Monitoring II.A.8 Capture System Monitoring	N/A
I.B.11	40 CFR 63.3350(f) (12/4/02) 40 CFR 63.4(a)(1) (4/5/02)	Shall develop and annually update a site-specific capture system monitoring plan in accordance with 40 CFR 63.3350(f). *(Does not apply to pilot treater operations.)*	II.A.8 Capture System Monitoring	N/A
I.B.12	40 CFR 63.3350(f) (12/4/02) 40 CFR 63.10(b) (4/20/06)	The permittee shall maintain records specified in 40 CFR 63.3410(a) and 40 CFR 63.10(b) including oxidizer temperatures and capture system differential pressures. The permittee shall maintain relevant records of startups, shutdowns, malfunctions, maintenance, corrective actions, monitoring, measurements, and testing. *(Does not apply to pilot treater operations.)*	II.D.2 Paper Coating NESHAP Recordkeeping II.D.3 SSMP Recordkeeping	N/A
I.B.13	40 CFR 63.3400(c) (12/4/02)	The permittee must submit a semiannual compliance report no later than July 31 and January 31. *(Does not apply to pilot treater operations.)*	II.E.1 Semiannual NESHAP Compliance Report	N/A

Reqmt No.	Applicable Requirement	Requirement Paraphrase (Information Only)	Monitoring Method	Reference Test Method (See Section VIII)
I.B.14	40 CFR 63.3400(d) 40 CFR 63.3400(e) (12/4/02) 40 CFR 63.7(b), (c) & (g) 2/27/14 40 CFR 63.9(e) (5/30/03)	The permittee must submit a Notification of Performance Test and performance test reports for the Paper Coating NESHAP 40 CFR Part 63 Subpart JJJJ performance tests.	No monitoring required	N/A
I.B.15	40 CFR 63.3400(g) (12/4/02) 40 CFR 63.10(d)(5) (4/20/06)	The permittee must submit startup, shutdown and malfunction (SSM) reports if startup or shutdown caused an exceedance of the standard, or if a malfunction occurred. *(Does not apply to pilot treater operations.)*	II.E.2 SSMP Reports	
I.B.16	40 CFR 63.9(j) (5/30/03)	The permittee shall provide to PSCAA, in writing, any change in the information already provided under 40 CFR §63.9 (e.g., initial notification, notification of compliance status, notification of performance test) **within 15 calendar days** after the change.	No monitoring required	
I.B.17	40 CFR 63.6(e)(1) (4/20/06) 40 CFR 63.4(a)(1) (4/5/02)	At all times, including startup, shutdown and malfunction, operate and maintain emission units consistent with safety and good air pollution control practices for minimizing emissions. Malfunctions must be corrected as soon as practicable after their occurrence. During periods of startup, shutdown, or malfunction, reduce emissions to the greatest extent which is consistent with safety and good air pollution control practices. *(Does not apply to pilot treater operations.)*	II.B. Operation and Maintenance Plan II.D.3 NESHAP SSMP Recordkeeping	N/A
I.B.18	Puget Sound Clean Air Agency Reg. I: 9.20(a) (6/9/88) RCW 70.94.152(7) *(1996, STATE ONLY)*	Must maintain and operate equipment requiring an Order of Approval in good working order.	II.A.1 Opacity Monitoring II.A.5 VOC Source Testing II.A.6 Thermal Oxidizer Monitoring II.A.7 Catalytic Oxidizer Monitoring II.A.8 Capture System Monitoring	N/A
I.B.19	40 CFR 63.4(b) (4/5/02)	Shall not build, erect, install, or use any article, machine, equipment, or process to conceal an emission that would otherwise constitute noncompliance with the Paper Coating NESHAP 40 CFR Part 63 Subpart JJJJ.	No monitoring required	N/A

Reqmt No.	Applicable Requirement	Requirement Paraphrase (Information Only)	Monitoring Method	Reference Test Method (See Section VIII)
I.B.20	Puget Sound Clean Air Agency Reg I: 7.09(b) (9/10/98) Puget Sound Clean Air Agency Reg I: 7.09(b) *(9/25/08, STATE ONLY)*	Shall develop and implement an O & M Plan to assure continuous compliance with Puget Sound Clean Air Agency Regulations I, II and III. The plan shall reflect good industrial practice. It shall include the elements described in Reg. I: 7.09(b). Shall review the O&M Plan at least annually and update it as needed to reflect any changes in good industrial practice. The specific provisions of the O&M Plan shall not be deemed part of this permit.	II.B Operation and Maintenance Plan Requirement	N/A
I.B.21	40 CFR 63.6(e)(3)(i) (4/20/06) 40 CFR 63.4(a)(1) (4/5/02)	Shall develop a written Startup, Shutdown, Malfuntion Plan (SSMP) that describes, in detail, procedures for operating and maintaining the source during periods of startup, shutdown, and malfunction; and a program of corrective action for malfunctioning process, air pollution control, and monitoring equipment used to comply with the Paper Coating NESHAP 40 CFR Part 63 Subpart JJJJ. *(Does not apply to pilot treater operations.)*	II.D.3 NESHAP SSMP Recordkeeping	N/A
I.B.22	40 CFR 63.6(e)(3)(viii) (4/20/06) 40 CFR 63.4(a)(1) (4/5/02)	Shall revise the SSMP within 45 days after any event the SSMP fails to address or inadequately addresses to include procedures for operating, maintaining and correcting during similar malfunction events. *(Does not apply to pilot treater operations.)*	II.D.3 NESHAP SSMP Recordkeeping	N/A

II. MONITORING, MAINTENANCE, RECORDKEEPING AND REPORTING

A. Facility-wide Monitoring

1. Opacity Monitoring

The permittee shall conduct weekly stack observations of the coating line oxidizer stack exhausts for visible emissions, and annual inspections of boiler, space heater and water heater stack exhausts for visible emissions. Inspections are to be performed while the equipment is in operation during daylight hours. Records of weekly and annual monitoring shall be maintained in accordance with Section V.C. If visible emissions other than steam are observed, the permittee shall, as soon as practicable but within 24 hours of the initial observation, take one of the following measures:

a) Take corrective action until there are no visible emissions,

b) Record the opacity using the reference test method (notification requirements in Regulation I, Section 3.07(b) are waived); or

c) Shut down the unit or activity until it can be repaired.

Failure to implement one of the response actions described above within 24 hours of the initial observation or recording opacity levels above the standard using the reference test method shall be reported as a deviation under Section V.D.1.

[WAC 173-401-615(1)(b) and (3)(b), 10/17/02]

2. Facility-Wide Inspection Monitoring

The permittee shall conduct a facility-wide inspection at least once per calendar quarter. These inspections shall include checking for prohibited activities under Section III of the permit and activities that require additional approval under Section IV of the permit. The inspections shall also examine the general state of compliance with the general applicable requirements, including a check for fugitive dust, track-out, and odors, and the general effectiveness of the Operation & Maintenance (O & M) Plan. Records of facility-wide inspections shall be maintained in accordance with Section V.C.

The permittee shall correct any problems identified by these inspections as soon as possible, but within 24 hours after identification, or shut down the unit or activity until the problem can be corrected. Failure to correct the problem or shut down the unit or activity within 24 hours of the initial observation shall be reported as a deviation under Section V.D.1.

[WAC 173-401-615(1)(b) and (3)(b), 10/17/02]

3. Nuisance Monitoring

The permittee shall investigate all air pollution complaints as soon as practicable, but within 24 hours of receipt. For odor complaints, the permittee shall determine whether recognized good practice and procedures were and are being employed. For fugitive dust complaints, the permittee shall determine whether reasonable precautions were and are being employed. If credible evidence of a violation is found, the permittee shall take corrective action as soon as possible, but within 24 hours after identification, or shut down the unit or activity until the

problem can be corrected. Failure to correct the problem or shut down the unit or activity within 24 hours of the initial observation shall be reported as a deviation under Section V.D.1

Upon receiving a complaint, the permittee shall record:

- The date and time of the complaint,
- The name of the person complaining, if known,
- The nature of the complaint, and
- The date, time and nature of any corrective action taken.

[WAC 173-401-615(1)(b) and (3)(b), 10/17/02]

4. Maintenance and Repair of Insignificant Emission Units

The permittee shall use good industrial practices to maintain insignificant emission units not listed in the permit. For such equipment, the permittee shall also promptly repair defective equipment or shut down the unit until defective equipment can be repaired. Records under Section V.C.4 are not required for such equipment except when such equipment is inspected under Section II.A.2 (Facility-wide Inspection Monitoring) and a problem requiring prompt repair is discovered during the inspection.

[WAC 173-401-615(1)(b), 10/17/02]

B. Operation & Maintenance Plan Requirements

The permittee's Operation and Maintenance (O&M) Plan shall include equipment operation and maintenance procedures specifying how the permittee will assure continuous compliance with Puget Sound Clean Air Agency Regulations I, II and III. For insignificant emission units, refer to the requirements stated in Section II.A.4 Maintenance and Repair of Insignificant Emission Units of this permit. The plan shall reflect good industrial practice. In most instances, following the manufacturer's operations manual or equipment operational schedule, minimizing emissions until the repairs can be completed and taking measures to prevent recurrence of the problem may be considered good industrial practice.

Determination of whether good industrial practice is being used will be based on available information such as monitoring results, opacity observations, review of operations and maintenance procedures, and checks of the equipment and control equipment. The specific provisions of the O&M Plan, other than those required by this permit, shall not be deemed part of this permit.

[WAC 173-401-615(1)(b), 10/17/02]
[Puget Sound Clean Air Agency Regulation I, Section 7.09(b), 9/10/98]
[Puget Sound Clean Air Agency Regulation I, 7.09(b) 9/25/08 (STATE ONLY)]

C. Emission Unit Specific Monitoring

1. VOC Source Testing

The permittee shall conduct source testing to verify compliance with the destruction efficiency across each catalytic oxidizer in operation at a frequency of no less than once every 5 calendar years, with no more than 61 months between the tests. Start-up of a print line that has not operated for over 5 years requires a demonstration of compliance with destruction efficiency requirements across the thermal oxidizer or catalytic oxidizer within 120 days of start-up. Each performance test to establish the destruction efficiency of each oxidizer shall be conducted such that the oxidizer inlet and outlet testing is conducted simultaneously. For each test, the

permittee shall conduct three test runs and each test run must last at least 1 hour. The data shall be reduced in accordance with the test methods and procedures below:

- Method 1 or 1A of 40 CFR part 60, appendix A shall be used for sample and velocity traverses to determine sampling locations.
- Method 2, 2A, 2C, 2D, 2F or 2G of 40 CFR part 60, appendix A shall be used to determine gas volumetric flow rate.
- Method 3, 3A, or 3B of 40 CFR part 60, appendix A shall be used for gas analysis to determine dry molecular weight. As an alternative to Method 3B, the permittee may use the manual method for measuring the oxygen, carbon dioxide, and carbon monoxide content of exhaust gas in ANSI/ASME PTC 19.10-1981, "Flue and Exhaust Gas Analyses [Part 10, Instruments and Apparatus]."
- Method 4 of 40 CFR part 60, appendix A shall be used to determine stack gas moisture.
- Method 25A of 40 CFR part 60, appendix A shall be used to determine total gaseous non-methane organic matter concentration.
- For each run, volatile organic matter mass flow rates must be determined using Equation 1 in 40 CFR 63.3360(e)(1)(viii) and oxidizer destruction efficiency must be determined using Equation 2 in 40 CFR 63.3360(e)(1)(ix). Destruction efficiency is determined as the average of the efficiencies determined in each of the three test runs.

During the test, the permittee shall monitor and record the following information:

- Process information as may be necessary to determine the conditions in existence at the time of the performance test. Information to be recorded includes, but is not limited to, the type of coating(s) applied during the test, the amount of product coated (square footage), and the product line speed.
- For each thermal oxidizer, the temperature in the firebox of the thermal oxidizer or immediately downstream of the firebox before any substantial heat exchange occurs at least once every 15 minutes during each of the three test runs.
- For each catalytic oxidizer, the temperature just before the catalyst bed and the temperature difference across the catalyst bed at least once every 15 minutes during each of the three test runs

For each performance test, the permittee shall comply with the general emission testing requirements in Section V.F.1, including the requirement to provide notice to the Agency at least 21 days prior to the test and submit a test report within 60 days after the test. The permittee shall report any deviations of Requirements I.B.3 through I.B.6 and I.B.8 in accordance with Section V.D.1 (Deviation Reporting) and II.E.1 (Semi-Annual Paper Coating NESHAP 40 CFR Part 63 Subpart JJJJ Compliance Report).

[Order of Approval No. 9326, condition 6, April 20, 2016]

2. Thermal Oxidizer Monitoring

Except for monitoring malfunctions, associated repairs, or required quality assurance or control activities (including calibration checks or required zero and span adjustments), the permittee shall monitor the thermal oxidizer at all times that the unit is operating as specified below. The permittee must use all the valid data collected during all other periods in assessing compliance of the thermal oxidizer. A monitoring malfunction is any sudden, infrequent, not reasonably

preventable failure of the monitoring system to provide valid data. Monitoring failures that are caused in part by poor maintenance or careless operation are not malfunctions.

[40 CFR 63.3350(a) and (e)(7), 12/4/02]
[40 CFR 63.3370(k)(1)(iii), 12/4/02]
[40 CFR 63.4(a)(1), 4/5/02]

a) Continuous Parameter Monitoring System: The permittee shall install, calibrate, maintain, and operate a temperature monitoring system equipped with a continuous temperature monitor that monitors and records temperature in the combustion zone of the thermal oxidizer. The device must have an accuracy of ±1 percent of the temperature being monitored in degrees Celsius, or ±1° Celsius, whichever is greater. The thermocouple or temperature sensor must be installed in the combustion chamber at a location in the combustion zone.

[40 CFR 63.3350(a) and (e)(9)(ii), 12/4/02]
[40 CFR 63.3360(e)(3)(i), 12/4/02]

b) Monitoring System Requirements: The temperature monitoring system shall be installed, calibrated, maintained, and operated in accordance with manufacturer's specifications. At all times, the temperature monitoring system must be maintained in proper working order including, but not limited to, maintaining necessary parts for routine repairs of the monitoring equipment.

[40 CFR 63.3350(a), (e)(6) and (e)(9)(i), 12/4/02]

c) Calibration: The calibration of the chart recorder, data logger, and/or temperature indicator must be verified every 3 months or the chart recorder, data logger, and/or temperature indicator must be replaced. The permittee shall replace any equipment that cannot be calibrated properly.

[40 CFR 63.3350(a) and (e)(9)(i), 12/4/02]

d) Data Recovery: Each temperature monitoring system must complete a minimum of one cycle of operation for each successive 15-minute period, with a minimum of four equally spaced successive cycles of operation to have a valid hour of data (see recordkeeping requirements in Section II.D.2(c)). The permittee must have valid data for at least 90% of the hours during which the process operated.

[40 CFR 63.3350(a) and (e)(1) and (e)(2), 12/4/02]

The permittee shall report deviations in accordance with Section V.D.1 (Deviation Reporting) and II.E.1. (Semi-Annual Paper Coating NESHAP 40 CFR Part 63 Subpart JJJJ Compliance Report) for any 3-hour averaging period for which there is not valid monitoring data as defined in data recovery section above or the average combustion temperature is less than the combustion temperature limit established during the most recent performance test demonstrating compliance. Monitoring malfunctions, associated repairs, or required quality assurance are not deviations, but monitoring failure caused by poor maintenance or careless operation are deviations and must be reported as such.

[40 CFR 63.3350(a) and (e)(8), 12/4/02]

3. Catalytic Oxidizer Monitoring

Except for monitoring malfunctions, associated repairs, or required quality assurance or control activities (including calibration checks or required zero and span adjustments), the permittee shall monitor each catalytic oxidizer at all times that the unit is operating as specified below.

Data recorded during monitoring malfunctions, associated repairs, out-of-control periods, or required quality assurance or control activities shall not be used for purposes of calculating the emissions concentrations and percent reductions. The permittee must use all the valid data collected during all other periods in assessing compliance of the control device and associated control system. A monitoring malfunction is any sudden, infrequent, not reasonably preventable failure of the monitoring system to provide valid data. Monitoring failures that are caused in part by poor maintenance or careless operation are not malfunctions.

[40 CFR 63.3350(a) and (e)(7), 12/4/02]
[40 CFR 63.3370(k)(1)(iii), 12/4/02]
[40 CFR 63.4(a)(1), 4/5/02]

a) Continuous Parameter Monitoring System: The permittee shall install, calibrate, maintain, and operate a temperature monitoring system equipped with a continuous recorder to continuously monitor temperature at the inlet to the catalytic oxidizer. The device must have an accuracy of ±1 percent of the temperature being monitored in degrees Celsius, or ±1° Celsius, whichever is greater. The thermocouple or temperature sensor must be installed in the vent stream at the nearest feasible point to the inlet of the catalyst bed.

[40 CFR 63.3350(a) and (e)(9)(iii), 12/4/02]
[40 CFR 63.3360(e)(3)(ii), 12/4/02]

b) Inspection and Maintenance Plan: The permittee shall implement a site-specific inspection and maintenance plan which includes, at a minimum, annual sampling and analysis of the catalyst activity (i.e. conversion efficiency) following the manufacturer's or catalyst supplier's recommended procedures, monthly inspection of the oxidizer system including the burner assembly and fuel supply lines for problems, and annual internal and monthly external visual inspection of the catalyst bed to check for channeling, abrasion, and settling. If problems are found, the permittee must take corrective action consistent with the manufacturer's recommendations and conduct a new performance test to determine destruction efficiency in accordance with 40 CFR 63.3360.

[40 CFR 63.3350(a), 12/4/02]
[40 CFR 63.3360(e)(3)(ii), 12/4/02]

c) Monitoring System Requirements: The temperature monitoring system shall be installed, calibrated, maintained, and operated in accordance with manufacturer's specifications. At all times, the temperature monitoring system must be maintained in proper working order including, but not limited to, maintaining necessary parts for routine repairs of the monitoring equipment.

[40 CFR 63.3350(a), (e)(6) and (e)(9)(i), 12/4/02]

d) Calibration: The calibration of the chart recorder, data logger, and/or temperature indicator must be verified every 3 months or the chart recorder, data logger, and/or temperature indicator must be replaced. The permittee shall replace any equipment that cannot be calibrated properly.

[40 CFR 63.3350(a) and (e)(9)(i), 12/4/02]

e) Data Recovery: Each temperature monitoring system must complete a minimum of one cycle of operation for each successive 15-minute period, with a minimum of four equally spaced successive cycles of operation to have a valid hour of data (see recordkeeping requirements in Section II.D.2(c)). The permittee must have valid data for at least 90% of the hours during which the process operated.

[40 CFR 63.3350(a) and (e)(1) and (e)(2), 12/4/02]

The permittee shall report a deviation in accordance with Section V.D.1 (Deviation Reporting) and II.E.1 (Semi-Annual Paper Coating NESHAP 40 CFR Part 63 Subpart JJJJ Compliance Report) for any 3-hour averaging period for which there is not valid monitoring data as defined in data recovery section above, the average combustion temperature at the inlet to the catalyst bed is less than the temperature limit established during the most recent performance test demonstrating compliance, or deviations are reported based on the results of the inspections conducted in accordance with the Inspection and Maintenance Plan in Section II.C.3.b above. Monitoring malfunctions, associated repairs, or required quality assurance are not deviations, but monitoring failure caused by poor maintenance or careless operation are deviations and must be reported as such.

[40 CFR 63.3350(a) and (e)(8), 12/4/02]

4. Capture System Monitoring Plan

The permittee shall conduct all monitoring in accordance with the site-specific capture efficiency monitoring plan. The plan shall include the following:

a) The operating parameter to be monitored to ensure that the capture efficiency determined during the most recent compliance test is maintained;

b) An explanation why this parameter is appropriate for demonstrating ongoing compliance;

c) Specific monitoring procedures; and

d) The operating parameter range of values that demonstrate compliance with the emission standards and representing conditions present when the capture system is being properly operated and maintained.

The permittee shall review and update the capture system monitoring plan at least annually. If the capture system has been modified so that conditions identified in the original compliance test are no longer valid, the permittee shall retest in accordance with the procedures in 40 CFR 63.3360(f).

The permittee shall make the plan available for inspection upon request. Any deviation from the operating parameter value or range monitored according to the plan, or failure to review and update the plan within the last 12 months is considered a deviation and shall be reported as a deviation in accordance with Section V.D.1 (Deviation Reporting) and II.E.1 (Semi-Annual Paper Coating NESHAP 40 CFR Part 63 Subpart JJJJ Compliance Report).

[40 CFR 63.3350(a) and (f)(4), 12/4/02]
[WAC 173-401-615(1)(b) and (3)(b), 10/17/02]

D. Paper Coating NESHAP 40 CFR Part 63 Subpart JJJJ Recordkeeping Requirements

In addition to the general recordkeeping requirements in Section V.C. of this permit, the permittee shall maintain the following records pertaining to Paper Coating NESHAP 40 CFR Part 63 Subpart JJJJ requirements.

1. General

For compliance documentation required by the Paper Coating NESHAP 40 CFR Part 63 Subpart JJJJ, the permittee shall maintain files of all information (including all reports and notifications) in a form suitable and readily available for expeditious inspection and review. The files shall be retained for at least 5 years following the date of each occurrence, measurement, maintenance, corrective action, report, or record. At a minimum, the most recent 2 years of data shall be retained on site. The remaining 3 years of data may be retained off site.

[WAC 173-401-615(2)(c), 10/17/02]
[40 CFR 63.10(b)(1), 4/20/06]

2. Paper Coating NESHAP 40 CFR Part 63 Subpart JJJJ Recordkeeping

The permittee shall maintain files of the following Paper Coating NESHAP 40 CFR Part 63 Subpart JJJJ compliance records in a form suitable and readily available for expeditious inspection and review:

a) All required temperature monitoring system measurements, including data recorded during unavoidable breakdowns of the temperature monitoring equipment, and dates and times for each period when the monitoring system was inoperative or out of control (except for zero and high-level checks).

b) All required measurements needed to demonstrate compliance with standards in 40 CFR Part 63, Subpart JJJJ including, but not limited to, 15-minute averages of temperature monitoring system data, raw performance testing measurements, and raw performance evaluation measurements that support data the permittee is required to report.

c) The hourly average of all recorded temperature readings. To calculate a valid hourly value, the permittee must have at least three of four equally spaced data values from that hour from a continuous monitoring system (CMS) that is not out-of-control. If all of the readings clearly demonstrate continuous compliance, then the permittee is not required to determine the hourly average of all recorded readings;

d) The rolling 3-hour average of all recorded temperature readings for each operating period. To calculate the average for each 3-hour averaging period, the permittee must have at least two of three of the hourly averages for that period using only average values that are based on valid data.

e) Total process operating time during the reporting period.

f) The specific identification (i.e., the date and time of commencement and completion) of each period of excess emissions and parameter monitoring exceedances, whether the exceedance occurs during a startup, shutdown, or malfunction period, the nature and cause of any malfunction (if known), any corrective actions taken, and any preventive measures adopted.

g) All procedures that are part of a quality control program developed and implemented for the temperature monitoring system.

h) The results of each inspection, calibration, and validation check of the temperature monitoring system.

i) All required maintenance performed on the control equipment and monitoring equipment.

j) Each period during which a temperature monitoring system is malfunctioning or inoperative and all adjustments and maintenance performed on temperature monitoring system.

k) All results of performance tests, including measurements as may be necessary to determine the conditions of performance tests.

l) All documentation supporting initial notifications and notifications of compliance status under §63.9.

[40 CFR 63.4(a)(2), 4/5/20; 40 CFR 63.10(b) and (c), 4/20/06; 40 CFR 63.3350(e), 12/4/02; 40 CFR 63.3410(a), 12/4/02]

3. Startup, Shutdown & Malfunction Plan (SSMP) Recordkeeping

The permittee shall maintain files of the following Paper Coating NESHAP 40 CFR Part 63 Subpart JJJJ compliance records in a form suitable and readily available for expeditious inspection and review:

a) The occurrence and duration of each startup or shutdown of coating lines or associated oxidizers when the startup or shutdown causes an exceedance of any applicable emission limitation in 40 CFR Part 63, Subpart JJJJ.

b) The occurrence and duration of each malfunction of coating lines or the required oxidizers, including identification of the nature and cause of the malfunction (if known).

c) Actions taken during periods of startup or shutdown when the source exceeded emission limitations in 40 CFR Part 63, Subpart JJJJ and when the actions taken are different from the procedures specified in the SSMP.

d) Actions taken during periods of malfunction (including corrective actions to restore malfunctioning process and air pollution control and monitoring equipment to its normal or usual manner of operation) when the actions taken are different from the procedures specified in the SSMP.

e) All information necessary, including actions taken, to demonstrate conformance with the SSMP when all actions taken during periods of startup or shutdown (and the startup or shutdown causes the source to exceed any applicable emission limitation in the relevant emission standards), and malfunction (including corrective actions to restore malfunctioning process and air pollution control and monitoring equipment to its normal or usual manner of operation) are consistent with the procedures specified in such plan.

[40 CFR 63.6(e)(3), 4/20/06; 40 CFR 63.10(b)(10) and (c), 4/20/06; 40 CFR 63.3410(a)(1) and (2), 12/4/02]

E. Paper Coating NESHAP 40 CFR Part 63 Subpart JJJJ Reporting Requirements

In addition to the general reporting requirements in Section V.D. of this permit, the permittee shall submit the following reports pertaining to NESHAP requirements.

1. Semiannual Paper Coating NESHAP 40 CFR Part 63 Subpart JJJJ Compliance Report

The permittee shall submit Paper Coating NESHAP 40 CFR Part 63 Subpart JJJJ compliance reports covering the semiannual reporting period from January 1 through June 30 or the semiannual reporting period from July 1 through December 31, postmarked or delivered no later than July 31 or January 31, whichever date is the first date following the end of the semiannual reporting period. These semiannual compliance reports shall contain:

- Company name and address.
- Statement by a responsible official with that official's name, title, and signature certifying the accuracy of the content of the report.
- Date of report and beginning and ending dates of the reporting period.
- If there are no deviations from any emission limitations or operating limits, a statement that there were no deviations from the emission limitations or operating limits during the reporting period, and that no temperature monitoring system was inoperative, inactive, malfunctioning, repaired, or adjusted.
- For each deviation from an emission limitation (emission limit or operating limit), the compliance report must contain the total operating time of each affected source during the reporting period; the information on the number, duration, and cause of deviations (including unknown cause), if applicable, and the corrective action taken; and the information on the number, duration, and cause for temperature monitoring system downtime incidents, if applicable, other than downtime associated with zero and span and other calibration checks.

[40 CFR 63.3400(a) and (c), 40 CFR 63.3350(a) and (e)(8), 12/4/02]
[40 CFR 63.4(a)(2), 4/5/02; 40 CFR 63.10(d)(1), 4/20/06]

2. Startup, Shutdown and Malfunction Reports

A semi-annual Startup, Shutdown and Malfunction (SSM) report is required if a startup or shutdown caused an exceedance of the applicable emission limitation (emission limit or operating parameter) in the Paper Coating NESHAP 40 CFR Part 63 Subpart JJJJ, or if a malfunction occurred during the reporting period. If required, the SSM report shall be submitted with the next due Paper Coating NESHAP 40 CFR Part 63 Subpart JJJJ compliance report (see Section II.E.1 above).

The SSM report shall consist of a letter, containing the name, title, and signature of the owner or operator or other responsible official who is certifying its accuracy. If actions taken by the permittee during a startup or shutdown (and the startup or shutdown caused an exceedance of the applicable emission limitation), or malfunction (including actions taken to correct a malfunction) are consistent with the procedures specified in the source's SSMP, the permittee shall state such information in a SSMP report. Actions taken to minimize emissions during such startups, shutdowns, and malfunctions shall be summarized in the report and may be done in checklist form; if actions taken are the same for each event, only one checklist is necessary. Such a report shall also include the number, duration, and a brief description for each type of

malfunction which occurred during the reporting period and which caused or may have caused any applicable emission limitation to be exceeded. If the permittee revised the SSMP plan during the reporting period, the revision shall be noted in the report. If the revision alters the scope of the activities which are deemed to be a startup, shutdown, or malfunction, or otherwise modifies the applicability of any emission limit, work practice requirement, or other requirement in the Paper Coating NESHAP 40 CFR Part 63 Subpart JJJJ, the revised plan shall not take effect until after the owner or operator has provided a written notice describing the revision.

Any time an action taken by the permittee during a startup or shutdown that caused an exceedance of the applicable emission limitation (emission limit or operating parameter) in the Paper Coating NESHAP 40 CFR Part 63 Subpart JJJJ, or malfunction (including actions taken to correct a malfunction) is not consistent with the procedures specified in the SSMP, the permittee shall report the actions taken for that event within 2 working days after commencing actions inconsistent with the plan followed by a letter within 7 working days after the end of the event. The letter shall contain the name, title, and signature of the owner or operator or other responsible official who is certifying its accuracy, explaining the circumstances of the event, the reasons for not following the SSMP, describing all excess emissions and/or parameter monitoring exceedances which are believed to have occurred (or could have occurred in the case of malfunctions), and actions taken to minimize emissions.

[40 CFR 63.3400(g), 12/4/02]
[40 CFR 63.10(d)(5) and 40 CFR 63.6(e)(3)(iv) and (viii), 4/20/06]

III. PROHIBITED ACTIVITIES

The permittee is prohibited from conducting, causing, or allowing the following activities:

A. Adjustment for Atmospheric Conditions

Varying the rate of emissions of a pollutant according to atmospheric conditions or ambient concentrations of that pollutant is prohibited, except as directed according to air pollution episode regulations.

[WAC 173-400-205, 3/22/91]

B. Open Burning

The permittee shall not conduct outdoor burning unless the burning is in compliance with WAC 173-425. The following types of fires are allowed, except during any stage of an air pollution episode or period of impaired air quality:

1. Recreational fires, as defined in WAC 173-425-030.
2. Fires for instruction in the methods of fighting fires, provided that the person conducting the training fire complies with Puget Sound Clean Air Agency Regulation I, Section 8.07.

[Puget Sound Clean Air Agency Regulation I, Sections 8.04, 1/1/01, 9/25/08 (*STATE ONLY*)]
[Puget Sound Clean Air Agency Regulation I, Sections 8.07, 9/9/99 (*STATE ONLY*)]
[WAC 173-425-020, WAC 173-425-030, and WAC 173-425-050(3), 10/18/90, 04/13/00 (*STATE ONLY*)]
[RCW 70.94.6514, 2009 c118 §802; RCW 70.94.6528, 2009 c43 §802; and RCW 70.94.6512(2), 2009 c118 §802 (*STATE ONLY*)]

C. Refuse Burning

The permittee shall not cause or allow the burning of combustible refuse except in a multiple chamber incinerator provided with control equipment. The permittee shall not operate refuse burning equipment any time other than daylight hours.

[Puget Sound Clean Air Agency Regulation I, Section 9.05, 12/09/93]

D. Concealment or Masking

The permittee shall not cause or allow the installation or use of any device or use of any means which, without resulting in a reduction in the total amount of air contaminant emitted, conceals or masks an emission of an air contaminant that would otherwise violate Puget Sound Clean Air Agency Regulation I, Article 9 or Chapter 173-400 WAC.

[Puget Sound Clean Air Agency Regulation I, Section 9.13, 06/09/88 (*STATE ONLY*)]
[WAC 173-400-040(8), 04/01/11]

E. Tampering

The permittee shall not render inaccurate any monitoring device or method required under Chapter 70.94 RCW, or any ordinance, resolution, regulation, permit, or order in force pursuant thereto.

[WAC 173-400-105(8), 12/29/12)]

F. False Statements

The permittee shall not make any false material statement, representation or certification in any form, notice, or report required under Chapter 70.94 RCW, or any ordinance, resolution, regulation, permit, or order in force pursuant thereto.

[WAC 173-400-105(6), 12/29/12]

IV. ACTIVITIES REQUIRING ADDITIONAL APPROVAL

The permittee shall file notification and obtain the necessary approval from Puget Sound Clean Air Agency before conducting any of the following:

A. New Source Review

1. Requirement for Notice of Construction Application

The permittee shall not construct, install, establish, or modify an air contaminant source, except those sources that are excluded by Puget Sound Clean Air Agency Regulation I, Section 6.03, unless a "Notice of Construction and Application for Approval" has been filed with and approved by the Puget Sound Clean Air Agency. For purposes of complying with the recordkeeping requirement in Puget Sound Clean Air Agency Regulation I, 6.03(c), the permittee shall provide in a timely manner, upon request by the Puget Sound Clean Air Agency, any information reasonably necessary to document the exemption.

[Puget Sound Clean Air Agency Regulation I, Section 6.03, 09/12/96, 9/24/15 (STATE ONLY)]
[WAC 173-400-110, 12/29/12]
[WAC 173-401-615(1)(b), 10/17/02]
[RCW 70.94.152, 1996 c 67 §1, 1996 c 29§1 (STATE ONLY)]

2. Requirement for Notice of Completion

The permittee is required to submit a Notice of Completion to the Puget Sound Clean Air Agency stating that the work covered by a Notice of Construction application had been completed and operation was ready to begin. The permittee will not change the equipment in a manner that requires an NOC Order of Approval without first obtaining an Order of Approval.

[Puget Sound Clean Air Agency Regulation I, Section 6.09, 5/19/94, *3/25/04* (STATE ONLY)]
[WAC 173-401-615(1)(b), 10/17/02]

3. Replacement or Substantial Alteration of Emission Control Technology

The permittee shall file a Notice of Construction and Application for Approval according to WAC 173-400-114 with the Puget Sound Clean Air Agency before replacing or substantially altering any emission control technology installed at the facility.

[Puget Sound Clean Air Agency Regulation I, Section 6.03, 9/12/96, *9/24/15* (STATE ONLY)]
[WAC 173-400-114, *12/29/12* (STATE ONLY)]
[RCW 70.94.153, 1991 c 6199 §303 (STATE ONLY)]

B. Asbestos

1. The permittee shall comply with 40 CFR 61.145 and 61.150 when conducting renovation or demolition activities at the facility.

[40 CFR 61.145, 4/07/93 and 40 CFR 61.150, 09/18/03]

2. The permittee shall comply with Puget Sound Clean Air Agency Regulation III, Article 4 when conducting any asbestos project, renovation or demolition activities at the facility.

[Puget Sound Clean Air Agency Regulation III, Article 4, *5/26/11 (STATE ONLY)*]

C. Nonroad Engines

The permittee shall file a "Notice of Intent to Operate" prior to beginning operation of one or more nonroad engine(s) subject to the notification requirements of WAC 173-400-035 and

Puget Sound Clean Air Agency Regulation I, Article 15. For installation and operation of any project that involves nonroad engine(s) with a cumulative maximum rated brake horsepower greater than 2000 bhp The permittee shall submit the required notification on forms provided by the Agency for this purpose and they shall not be operated prior to obtaining written approval for that operation from the Agency.

Any nonroad engine subject to the requirements of WAC 173-400-035 and Puget Sound Clean Air Agency Regulation I, Article 15 must use ultra-low sulfur diesel (or equivalent), as defined in those regulations. If nonroad engine notifications are required under these regulations, the permittee shall maintain records in accordance with the requirements of those regulations.

[Puget Sound Clean Air Agency Regulation I, Article 15, *2/1/12 (STATE ONLY)*]
[WAC 173-400-035, *4/1/11 (STATE ONLY)*]

V. STANDARD TERMS AND CONDITIONS

A. *Duty to comply*

The permittee shall comply with all conditions of this permit. Any permit noncompliance constitutes a violation of Chapter 70.94 RCW and, for federally enforceable provisions, a violation of the Federal Clean Air Act (FCAA). Such violations are grounds for enforcement action; for permit termination, revocation and reissuance, or modification; or for denial of a permit renewal application.

[Puget Sound Clean Air Agency Regulation I, Section 7.05, 10/28/93]
[WAC 173-401-620(2)(a), 11/04/93]

B. *Compliance requirements*

The permittee shall continue to comply with all applicable requirements with which the source is currently in compliance. The permittee shall meet on a timely basis any applicable requirements that become effective during the permit term.

[WAC 173-401-630(3), 11/04/93]

C. *General Recordkeeping*

The permittee shall maintain the following:

1. Records of required monitoring information that include the following if applicable:
   (a) The date, place as defined in the permit, and time of sampling or measurements;
   (b) The date(s) analyses were performed;
   (c) The company or entity that performed the analyses;
   (d) The analytical techniques or methods used;
   (e) The results of such analyses; and
   (f) The operating conditions existing at the time of sampling or measurement.

   [WAC 173-401-615(2), 10/17/02]
2. Records describing changes made at the source that result in emissions of a regulated air pollutant subject to an applicable requirement, but not otherwise regulated under the permit, and the emissions resulting from those changes.

   [WAC 173-401-615(2), 10/17/02]
   [WAC 173-401-724(5), 11/4/93]
3. Records of all monitoring data and support information required by this permit shall be retained in hard copy or computer readable form by the permittee for a period of five years from the date of the monitoring, sample, measurement, record or application. Support information includes all calibration and maintenance records and all original strip-chart recordings for continuous monitoring instrumentation, and copies of all reports required by the permit.

   [WAC 173-401-615(2)(c), 10/17/02
4. The permittee shall document all inspections, tests and other actions required by the O&M Plan, including who conducted the inspection, tests or other actions; and the date and the results of the inspection, tests or other actions including corrective actions. All such records shall be signed and dated. The permittee shall maintain records of all

inspections, tests, and other actions required by the O&M Plan on site and available for Puget Sound Clean Air Agency review.

[Puget Sound Clean Air Agency Regulation I, Section 7.09(b), 9/10/98]
[Puget Sound Clean Air Agency Regulation I, Section 7.09(b), 09/25/08 (STATE ONLY)]

5. The permittee shall maintain a contemporaneous record of all deviations.

[WAC 173-401-615 (3)(b), 10/17/02]

D. Reporting Requirements

All reports required by this permit shall be submitted to the Puget Sound Clean Air Agency in electronic format as an attachment to an email facilitysubmittal@pscleanair.org or other email address that the agency designates. Original written documents shall also be submitted for record purposes to the following address:

Puget Sound Clean Air Agency
Attn.: Operating Permit Certification
1904 3rd Avenue – Suite 105
Seattle, Washington 98101

The date the document is received by the Puget Sound Clean Air Agency email system shall be considered the submitted date of the report. Nothing in this section waives or modifies any requirements established under other applicable regulations.

[Puget Sound Clean Air Agency Regulation I, Section 7.09(c), 09/10/98]
[Puget Sound Clean Air Agency Regulation I, Section 7.09(c), 09/25/08 (STATE ONLY)]

1. Deviation Report

The permittee shall report in writing to Puget Sound Clean Air Agency Operating Permit Certification any and all instances of deviations from the permit requirements, including those attributable to upset conditions as defined in this permit, the probable cause of the deviations, and any corrective actions or preventive measures taken. The permittee shall report any deviations to the Puget Sound Clean Air Agency that represent a potential threat to human health or safety by e-mail to facilitysubmittal@pscleanair.org (or any successive email address that the Agency identifies) as soon as possible but no later than 12 hours after such a deviation is discovered. The permittee shall report other deviations in writing to Puget Sound Clean Air Agency Operating Permit Certification no later than 30 days after the end of the month during which the deviation is discovered. No deviation report is required for a month in which no deviation is discovered. A Deviation Report may be certified by the responsible official as provided in IV.E at the time of submittal; however it is not required to be certified at the time of submittal. Any Deviation Report not certified at the time of submittal must be certified in the semiannual Certification of Reports in Section IV.C below.

[WAC 173-401-615(3)(b), 10/17/02]
[WAC 173-401-615(3)(b), 10/17/02, WAC 173-400-107, 9/20/93; WAC 173-400-107, 4/1/11 (STATE ONLY)]

2. Certification of Reports (Semi-annual)

The permittee shall submit in writing to Puget Sound Clean Air Agency Operating Permit Certification a semi-annual report which shall summarize each permit report filed during the six-month period. Each Certification of Reports shall cover a six month interval ending June 30 and December 31, and shall be submitted within 31 days after the end of the period covered by the report (July 31 for period January 1 through June 30, and January 31 for period July 1 through

December 31). All instances of deviations from permit requirements must be clearly identified in such reports. Deviation reports that are submitted pursuant to V.D.1. within a given six-month reporting period may be summarized and certified by the responsible official in this semiannual Certification of Reports. If there were no deviations discovered during the six month period, the semi-annual report shall state that there were no deviations. All required reports must be certified by a responsible official consistent with WAC 173-401-520.

[WAC 173-401-615(3)(a), 10/17/02]

3. Responsible Official Certification

Any application form, report, or compliance certification that is required to be certified by any applicable requirement or is submitted pursuant to this permit shall contain certification by a responsible official of truth, accuracy, and completeness. This certification and any other certification required under this permit shall state that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete.

[WAC 173-401-520, 11/4/1993]

The following application forms, reports, and compliance certifications must be certified upon submittal:

- Annual Air Operating Permit Compliance Certification
- Semi-annual Air Operating Permit Certification of Reports per Section V.Q.2
- Administrative Permit Amendment Requests
- Minor Permit Modification Application
- Significant Permit Modification Application
- Permit Renewal

For all other application forms, reports, and compliance certifications, the responsible official's certification needs only to be submitted once every six months, covering all required reporting since the date of the last certification, provided that the certification specifically identifies all documents subject to the certification.

[WAC 173-401-615(3)(a), 10/17/02]

4. Annual Emission Report

The permittee shall report annually to the Puget Sound Clean Air Agency listing those air contaminants emitted during the previous calendar year that equal or exceed the following in tons per year:

Carbon monoxide (CO) emissions 25

Facility combined total of all toxic air contaminants (TAC) emissions 6

Any single toxic air contaminant (TAC) emissions 2

Nitrogen oxide (NO_X) emissions 25

Particulate matter (PM_{10}) emissions 25

Particulate matter ($PM_{2.5}$) emissions 25

Sulfur oxide (SO_2) emissions 25

Volatile organic compounds (VOC) emissions 25

Annual emissions rates shall be reported to the nearest whole ton per year for only those contaminants that equal or exceed the thresholds above. The permittee shall maintain records of information necessary to document any reported emissions or demonstrate that the emissions were less than the above amounts. The permittee shall submit to the Puget Sound Clean Air Agency any additional information required by WAC 173-400-105(1) or Puget Sound Clean Air Agency Regulation III, Section 1.11.

[Puget Sound Clean Air Agency Regulation I, Section 7.09(a), 9/10/98]
[Puget Sound Clean Air Agency Regulation I, Section 7.09(a), 09/25/08 (STATE ONLY)]

E. Annual Compliance Certification

The permittee shall submit a certification of compliance with the permit terms and conditions once per year. The compliance certification shall include the following:

1. The identification of each term or condition of the permit that is the basis of the certification;
2. The compliance status;
3. Whether compliance was continuous or intermittent; and
4. The method(s) used for determining the compliance status of the source, currently and over the reporting period consistent with WAC 173-401-615 (3)(a).

In addition to submitted the report in electronic form as an attachment to an email [facilitysubmittal@pscleanair.org], annual compliance certifications shall be submitted to EPA Region 10 and to the Puget Sound Clean Air Agency, at the following addresses, by February 28 for the previous calendar year:

Puget Sound Clean Air Agency	EPA Region 10, Mail Stop OAQ-107
Attn: Operating Permit Certification 1904 3rd Ave, Suite 105 Seattle, Washington 98101	Attn: Air Operating Permit 1200 Sixth Avenue Seattle, Washington 98101

[WAC 173-401-630(5), 11/4/93]

F. Compliance determination

1. Emission Testing - General

a) For the purpose of determining compliance with an emission standard, the Puget Sound Clean Air Agency or Ecology may conduct testing of an emission unit or require The permittee to have it tested. In the event the Puget Sound Clean Air Agency or Ecology

conducts the test, the permittee shall be given an opportunity to observe the sampling and to obtain a sample at the same time.

[Puget Sound Clean Air Agency Regulation I, Section 3.05(b), 02/10/94 (STATE ONLY)]
[WAC 173-400-105(4), 12/29/12]

b) Testing of sources for compliance with emissions standards shall be performed in accordance with the Reference Test Methods identified in Section I of this permit, except where this permit indicates that a specific Reference Test Method is not needed or appropriate.

[Puget Sound Clean Air Agency Regulation I, Section 3.07(a), 03/23/06 (STATE ONLY)]
[WAC 173-400-105(4), 12/29/12]

c) The permittee shall notify the Puget Sound Clean Air Agency in writing at least 21 days prior to any compliance test. Notification of a compliance test shall be submitted on forms provided by the Puget Sound Clean Air Agency. Test notifications using the Puget Sound Clean Air Agency forms do not constitute test plans. Compliance with this notification provision does not satisfy any obligation found in an order or other regulatory requirement, including the NESHAP test requirement to submit a test plan for Puget Sound Clean Air Agency review. Notification under Section 3.07(b) of Regulation I does not waive or modify test notification requirements found in other applicable regulations.

[Puget Sound Clean Air Agency Regulation I, Section 3.07(b), 03/23/06 (STATE ONLY)]

d) Unless otherwise specified, each test for particulate, PM_{10}, NO_X, CO, and sulfur dioxide shall consist of three separate runs and compliance shall be determined from the arithmetic average of the three runs. In the event that a sample is accidentally lost or conditions occur in which one of the runs must be discontinued because of circumstances beyond the operator's control, compliance may, upon Control Officer approval, be determined from the arithmetic average of the two other runs.

[Puget Sound Clean Air Agency Regulation I, Section 3.07(a), 03/23/06 (STATE ONLY)]
[WAC 173-400-105(4), 09/20/93]

e) The permittee, if required by the Puget Sound Clean Air Agency to perform a compliance test, shall submit a report to the Puget Sound Clean Air Agency no later than 60 days after the test. The report shall include:

i. A description of the source and the sampling location;

ii. The time and date of the test;

iii. A summary of results, reported in units and for averaging periods consistent with the applicable emission standard;

iv. A description of the test methods and quality assurance procedures employed;

v. The amount of fuel burned or raw material processed by the source during the test;

vi. The operating parameters of the source and control equipment during the test;

vii. Field data and example calculations; and

viii. A statement signed by the senior management official of the testing firm certifying the validity of the source test report

[Puget Sound Clean Air Agency Regulation I, Section 3.07(c), 03/23/06 (STATE ONLY)]

2. Credible Evidence

For the purpose of submitting compliance certifications or establishing whether or not a person has violated or is in violation of this permit, nothing in Puget Sound Clean Air Agency Regulation I shall preclude the use, including the exclusive use, of any credible evidence or information relevant to whether a source would have been in compliance with applicable requirements if the appropriate performance or compliance test or procedure had been performed.

[Puget Sound Clean Air Agency Regulation I, Section 3.06, 10/08/98]

G. Data recovery

The permittee shall recover valid monitoring and recordkeeping data for each parameter according to any specific monitoring and recordkeeping requirements identified in Section II of this permit. However, if such requirements are silent on data recovery provisions, data recovery is assumed to be 100%.

Failure to recover the required amount of monitoring data may be excused from penalty during periods of monitoring system breakdown, malfunction, repairs, calibration checks and acts of God deemed to be unavoidable. In determining whether a monitoring failure was unavoidable, the following factors shall be considered:

- Whether the event was caused by poor or inadequate design, operation, maintenance, or any other reasonably preventable condition;
- Whether the event was of a recurring pattern indicative of inadequate design, operation, or maintenance; and
- Whether the permittee took immediate and appropriate corrective action in a manner consistent with good air pollution control practice.

The occasional and unintentional loss or omission of required records shall not constitute a reportable permit deviation, provided the permittee, upon discovery of the missing records, is able to reconstruct the required information from other available information or knowledge or the missing record is otherwise allowed by this permit. Upon request, the permittee will disclose data or information used to reconstruct records to the Puget Sound Clean Air Agency.

The monitoring reports required by Section IV shall include an explanation for any instance in which the permittee failed to meet the data recovery requirements of this condition for any monitored process or parameter. The explanation shall include the reason that the data was not collected and any actions that the permittee will take to insure collection of such data in the future.

[WAC 173-401-615(1)(b) 10/17/02]

H. Inspection and entry

Upon presentation of credentials and other documents as may be required by law, the permittee shall allow the Puget Sound Clean Air Agency or an authorized representative to:

1. Enter the permittee's premises or where records must be kept under the conditions of this permit;
2. Have access to and copy, at reasonable times, any records that must be kept under the conditions of the permit;
3. Inspect at reasonable times any facilities, equipment (including monitoring and air pollution control equipment), practices or operations regulated or required under the

permit; and

4. As authorized by WAC 173-400-105 and the FCAA, sample or monitor at reasonable times substances or parameters for the purpose of assuring compliance with the permit or applicable requirements.

[WAC 173-401-630(2), 11/04/93]
[RCW 70.94.200 1987 c109 §38 (*STATE ONLY*)]

I. Duty to provide information

The permittee shall furnish to the Puget Sound Clean Air Agency, within a reasonable time, any information that the Puget Sound Clean Air Agency may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating the permit or to determine compliance with the permit. Upon request, the permittee shall also furnish to Puget Sound Clean Air Agency copies of records required to be kept by the permit or, for information claimed to be confidential, the permittee may furnish such records directly to EPA Region 10 along with a claim of confidentiality. The Puget Sound Clean Air Agency shall maintain the confidentiality of such information in accordance with RCW 70.94.205.

[WAC 173-401-620(2)(e), 11/04/93]

J. Permit fees

The permittee shall pay fees as a condition of this permit in accordance with Puget Sound Clean Air Agency Regulation I, Article 7. Failure to pay fees in a timely fashion shall subject the permittee to civil and criminal penalties as prescribed in Chapter 70.94 RCW.

[WAC 173-401-620(2)(f), 11/04/93]

K. Permit actions

This permit may be modified, revoked, reopened and reissued, or terminated for cause. The filing of a request by the permittee for a permit modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance does not stay any permit condition.

[WAC 173-401-620(2)(c), 11/04/93]

L. Property rights

This permit does not convey any property rights of any sort, or any exclusive privilege.

[WAC 173-401-620(2)(d), 11/04/93]

M. Emissions trading

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 this permit.

[WAC 173-401-620(2)(g), 11/04/93]

N. Severability

If any provision of this permit is held to be invalid, all unaffected provisions of the permit shall remain in effect and be enforceable.

[WAC 173-401-620(2)(h), 11/04/93]

O. Permit appeals

This permit or any condition in it may be appealed only by filing an appeal with the Pollution Control Hearings Board and serving it on the Puget Sound Clean Air Agency within thirty days of receipt, pursuant to RCW 43.21B.310 and WAC 173-401-735. The provision for appeal in this section is separate from and additional to any federal rights to petition and review found under §505(b) of the FCAA.

[WAC 173-401-620(2)(i), 11/04/93; WAC 173-401-735, 05/04/97]

P. Permit continuation

This permit and all terms and conditions contained therein, including any permit shield provided under WAC 173-401-640, shall not expire until the renewal permit has been issued or denied if a timely and complete application has been submitted. An application shield granted under WAC 173-401-705(2) shall remain in effect until the renewal permit has been issued or denied if a timely and complete permit application has been submitted.

[WAC 173-401-620(2)(j), 11/04/93]

Q. Federal enforceability

All terms and conditions of this permit are enforceable by the EPA Administrator and by citizens under the FCAA, except for those terms and conditions designated in the permit as not federally enforceable (i.e. "STATE ONLY").

[WAC 173-401-625, 11/04/93]

R. Emergencies

An emergency, as defined in WAC 173-401-645(l), constitutes an affirmative defense to an action brought for noncompliance with a technology-based emission limitation if the conditions of WAC 173-401-645(3) are met.

The affirmative defense of emergency shall be demonstrated through properly signed, contemporaneous operating logs, or other relevant evidence that:

1. An emergency occurred and that the permittee can identify the cause(s) of the emergency;
2. The permittee was at the time being properly operated;
3. During the period of the emergency the permittee took all reasonable steps to minimize levels of emissions that exceeded the emission standards or other requirements in the permit; and
4. The permittee submitted notice of the emergency to the Puget Sound Clean Air Agency within two (2) working days of the time when the emissions limitations were exceeded due to the emergency or shorter periods of time specified in an applicable requirement. This notice fulfills the requirement of WAC 173-401-615(3)(b) unless the excess emissions represent a potential threat to human health or safety. This notice must contain a description of the emergency, any steps taken to mitigate emissions, and corrective actions taken.

In any enforcement proceeding, the permittee has the burden of proof to establish the occurrence of an emergency. This provision is in addition to any emergency or upset provision contained in any applicable requirement.

[WAC 173-401-645, 11/04/93]

S. *Unavoidable excess emissions*

Excess emissions due to startup or shutdown conditions, scheduled maintenance or upsets that are determined to be unavoidable under the procedures and criteria in WAC 173-400-107 shall be excused and not subject to penalty. For any excess emissions that the permittee wants the Puget Sound Clean Air Agency to consider unavoidable and excusable under WAC 173-400-107, the permittee shall report as required under WAC 173-400-107.

[WAC 173-400-107(2), 09/20/93]
[WAC 173-400-107(2), 04/01/11 (STATE ONLY]

T. *Need to halt or reduce activity not a defense*

It shall not be a defense for the permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit.

[WAC 173-401-620(2)(b), 11/04/93]

U. *Stratospheric ozone and climate protection*

1. The permittee shall comply with the following standards for recycling and emissions reduction pursuant to 40 CFR Part 82, Subpart F, except as provided for motor vehicle air conditioners (MVACs) in Subpart B:
   a) Persons opening appliances for maintenance, service, repair, or disposal must comply with the required practices pursuant to 40 CFR 82.156;
   b) Equipment used during the maintenance, service, repair, or disposal of appliances must comply with the standards for recycling and recovery equipment pursuant to 40 CFR 82.158;
   c) Persons performing maintenance, service, repair, or disposal of appliances must be certified by an approved technician certification program pursuant to 40 CFR 82.161.
2. The permittee may switch from any ozone-depleting substance to any alternative approved pursuant to the Significant New Alternatives Program (SNAP), 40 CFR Part 82, Subpart G, without a permit revision but shall not switch to a substitute listed as unacceptable pursuant to such program.

[40 CFR 82.174, 01/13/95]

3. Any certified technician employed by the permittee shall keep a copy of their certification at their place of employment.

[40 CFR 82.166(1), 01/11/05]

4. The permittee shall not willfully release any regulated refrigerant and shall use refrigerant extraction equipment to recover regulated refrigerant when servicing, repairing or disposing of commercial air conditioning, heating, or refrigeration systems.

[40 CFR 82.154, 04/13/05]
[RCW 70.94.970(2) and (4), 11/12/97 (STATE ONLY)]
[40 CFR 82.156, 01/11/05; 40 CFR 82.158, 06/18/08; 40 CFR 82.161, 03/12/04]

5. The permittee shall not sell, offer for sale, or purchase any of the following:
   a) A regulated refrigerant in a container designed for consumer recharge of a motor vehicle air conditioning system or consumer appliance during repair or service. This subsection does not apply to a regulated refrigerant purchased for the recharge of the air conditioning system of off-road commercial or agricultural equipment and sold or offered for sale at an establishment which specializes in the sale of off-road commercial or agricultural equipment or parts or service for such equipment;
   b) Nonessential consumer products that contain chlorofluorocarbons or other ozone-depleting chemicals, and for which substitutes are readily available. Products affected under this subsection shall include, but are not limited to, party streamers, tire inflators, air horns, noise makers, and chlorofluorocarbon-containing cleaning sprays designed for noncommercial or non-industrial cleaning of electronic or photographic equipment.

[RCW 70.94.980, 1991 c 199 § 603]

V. RACT satisfied

Emission standards and other requirements contained in rules or regulatory orders in effect at the time of this permit issuance shall be considered RACT for the purposes of issuing this permit.

[WAC 173-401-605(3), 11/04/93]
[RCW 70.94.031 (STATE ONLY)]

W. Risk management programs

In accordance with 40 CFR part 68, if the permittee has or receives more than a threshold quantity of a regulated substance in a process, as determined under 40 CFR 68.115, the permittee shall comply with the requirements of the Chemical Accident Prevention Provisions of 40 CFR part 68 no later than the following dates:

1. Three years after the date on which a regulated substance is first listed under 40 CFR 68.130; or
2. The date on which a regulated substance is first present above a threshold quantity in a process.

[40 CFR 68.10, 01/06/99]

X. Definitions

Unless otherwise defined in this permit, the terms used in this permit shall have the same meaning ascribed to them in the referenced regulation.

[WAC 173-401-200, 09/10/11]

Y. Duty to supplement or correct application

Upon becoming aware that it has failed to submit any relevant facts in a permit application or that it has submitted incorrect information in a permit application, the permittee shall promptly submit such supplementary facts or corrected information to the Puget Sound Clean Air Agency.

[WAC 173-401-500(6), 10/17/02]

Z. Insignificant emission units and activities

Insignificant emission units and activities at the permittee are subject to all applicable requirements set forth in Sections I.A, II.A.1 through II.A.4, III and IV. This permit does not require testing, monitoring, reporting or recordkeeping for insignificant emission units or activities except as required by II.A.1 through II.A.4 of this permit.

[WAC 173-401-530(2)(c), 10/17/02]

Where this permit does not require testing, monitoring, recordkeeping and reporting for insignificant emissions units or activities, the permittee may certify continuous compliance if there were no observed, documented, or known instances of noncompliance during the reporting period. Where this permit requires testing, monitoring, recordkeeping and reporting for insignificant emission units or activities, the permittee may certify continuous compliance when the testing, monitoring, and recordkeeping required by the permit revealed no violations during the period, and there were no observed, documented, or known instances of noncompliance during the reporting period.

[WAC 173-401-530(2)(d), 10/17/02]

An emission unit or activity that qualifies as insignificant solely on the basis of WAC 173-401-530(1)(a) shall not exceed the emission thresholds specified in WAC 173-401-530(4) until this permit is modified pursuant to Section VI.E of this permit and WAC 173-401-725.

[WAC 173-401-530(6), 10/17/02]

AA. Washington State Program for Reporting of Emissions of Greenhouse Gases

In accordance with WAC 173-441, if the permittee emits 10,000 metric tons of CO_2e (carbon dioxide equivalents) or more per calendar year from this facility, as defined under WAC 173-441-030, the permittee shall comply with the requirements the Washington State Program for Reporting of Emissions of Greenhouse Gases. Emission reports, if required, shall follow the reporting schedules and documentation requirements specified in WAC 173-441-050. This requirement does not apply to voluntary emission reporting as defined in WAC 173-441-030(4).

[WAC 173-441, 01/01/11 (STATE ONLY)]

VI. PERMIT ACTIONS

A. Permit Renewal, Revocation and Expiration

1. Renewal application

The permittee shall submit a complete permit renewal application to the Puget Sound Clean Air Agency no later than 12 months prior to the expiration of this permit. The Puget Sound Clean Air Agency will send the permittee a renewal application no later than 18 months prior to the expiration of this permit. Failure of the Puget Sound Clean Air Agency to send the permittee a renewal application shall not relieve the permittee from the obligation to file a timely and complete renewal application.

[WAC 173-401-710(1), 10/17/02; WAC 173-401-500(2), 10/17/02]

2. Expired permits

Permit expiration terminates the permittee's right to operate unless a timely and complete renewal application has been submitted consistent with WAC 173-401-710(1) and WAC 173-401-500. All terms and conditions of the permit shall remain in effect after this permit expires if a timely and complete permit application has been submitted.

[WAC 173-401-710(3). 10/17/02]

3. Revocation of permits

The Puget Sound Clean Air Agency may revoke a permit only upon the request of the permittee or for cause. The Puget Sound Clean Air Agency shall provide at least thirty days written notice to the permittee prior to revocation of the permit or denial of a permit renewal application. Such notice shall include an explanation of the basis for the proposed action and afford the permittee an opportunity to meet with the Puget Sound Clean Air Agency prior to Puget Sound Clean Air Agency's final decision. A revocation issued under this condition may be issued conditionally with a future effective date and may specify that the revocation will not take effect if the permittee satisfies the specified conditions before the effective date. Nothing in this subsection shall limit Puget Sound Clean Air Agency's authority to issue emergency orders.

[WAC 173-401-710(4), 10/17/02]

B. Administrative Permit Amendments

1. Definition

An administrative permit amendment is a permit revision that:

(a) Corrects typographical errors;

(b) Identifies a change in the name, address, or phone number of any person identified in the permit, or provides a similar minor administrative change at the permittee;

(c) Requires more frequent monitoring or reporting by the permittee;

(d) Allows for a change in ownership or operational control of a source where the Puget Sound Clean Air Agency determines that no other change in the permit is necessary, provided that a written agreement containing a specific date for transfer of permit responsibility, coverage, and liability between the current and new the permittee has been submitted to the Puget Sound Clean Air Agency;

(e) Incorporates into the permit the terms, conditions, and provisions from orders approving notice of construction applications processed under an EPA-approved program, provided that such a program meets procedural requirements substantially equivalent to the requirements of WAC 173-401-700, 173-401-725, and 173-401-800 that would be applicable to the change if it were subject to review as a permit modification, and compliance requirements substantially equivalent to those contained in WAC 173-401-600 through 173-401-650.

[WAC 173-401-720(1), 11/4/93]

2. Administrative permit amendment procedures

An administrative permit amendment may be made by the Puget Sound Clean Air Agency consistent with the following:

(a) Puget Sound Clean Air Agency shall take no more than sixty days from receipt of a request for an administrative permit amendment to take final action on such request, and may incorporate such changes without providing notice to the public or affected states provided that it designates any such permit revisions as having been made pursuant to this paragraph.

(b) Puget Sound Clean Air Agency shall submit a copy of the revised permit to EPA.

(c) The permittee may implement the changes addressed in the request for an administrative amendment immediately upon submittal of the request.

[WAC 173-401-720(3), 11/04/93]

3. Permit shield

The Puget Sound Clean Air Agency shall, upon taking final action granting a request for an administrative permit amendment, allow coverage by the permit shield in WAC 173-401-640 for administrative permit amendments made pursuant to part (1)(e) of this condition.

[WAC 173-401-720(4), 11/04/93]

C. Changes not Requiring Permit Revisions

1. General

(a) The permittee is authorized to make the changes described in this section without a permit revision, providing the following conditions are met:

(i) The proposed changes are not Title I modifications as defined in WAC 173-401-200(36);

(ii) The proposed changes do not result in emissions that exceed those allowable under the permit, whether expressed as a rate of emissions, or in total emissions;

(iii) The proposed changes do not alter permit terms that are necessary to enforce limitations on emissions from units covered by the permit; and

(iv) The permittee provides EPA and the Puget Sound Clean Air Agency with written notification at least seven days prior to making the proposed changes except that written notification of a change made in response to an emergency shall be provided as soon as possible after the event.

(b) Permit attachments. The permittee and the Puget Sound Clean Air Agency shall attach each notice to their copy of the relevant permit.

2. Section 502(b)(10) changes

Pursuant to the conditions in subsection (1) of this section, the permittee is authorized to make section 502(b)(10) changes (as defined in WAC 173-401-200(30)) without a permit revision.

(a) For each such change, the written notification required under subsection (1)(a)(iv) of this condition shall include a brief description of the change within the permitted facility, the date on which the change will occur, any change in emissions, and any permit term or condition that is no longer applicable as a result of the change.

(b) The permit shield authorized under WAC 173-401-640 shall not apply to any change made pursuant to this paragraph.

[WAC 173-401-722, 10/17/02]

3. SIP authorized emissions trading

Pursuant to the conditions in subsection (1) of this condition, the permittee is authorized to trade increases and decreases in emissions in the permitted facility, where the Washington state implementation plan provides for such emissions trades without requiring a permit revision. This provision is available in those cases where the permit does not already provide for such emissions trading.

(a) Under this subsection (3), the written notification required under subsection (1)(a)(iv) of this condition shall include such information as may be required by the provision in the Washington state implementation plan authorizing the emissions trade, including at a minimum, when the proposed change will occur, a description of each such change, any change in emissions, the permit requirements with which the permittee will comply using the emissions trading provisions of the Washington state implementation plan, and the pollutants emitted subject to the emissions trade. The notice shall also refer to the provisions with which the permittee will comply in the applicable implementation plan and that provide for the emissions trade.

(b) The permit shield described in WAC 173-401-640 shall not extend to any change made under this paragraph. Compliance with the permit requirements that the permittee will meet using the emissions trade shall be determined according to requirements of the applicable implementation plan authorizing the emissions trade.

[WAC 173-401-722, 10/17/02]

D. Off Permit Changes

1. The permittee shall be allowed to make changes not specifically addressed or prohibited by the permit terms and conditions without requiring a permit revision, provided that the proposed changes do not weaken the enforceability of existing permit conditions. Any change that is a Title I modification or is a change subject to the acid rain requirements under Title IV of the FCAA must be submitted as a permit revision.
2. Each such change shall meet all applicable requirements and shall not violate any

existing permit term or condition.

3. The permittee must provide contemporaneous written notice to the Puget Sound Clean Air Agency and EPA of each such change, except for changes that qualify as insignificant under WAC 173-401-530. Such written notice shall describe each such change, including the date, any change in emissions, pollutants emitted, and any applicable requirement that would apply as a result of the change.
4. The change shall not qualify for the permit shield under WAC 173-401-640.
5. The permittee shall keep a record describing changes made at the permittee that result in emissions of a regulated air pollutant subject to an applicable requirement, but not otherwise regulated under the permit, and the emissions resulting from those changes.
6. When making a change under this section, the permittee shall comply with applicable preconstruction review requirements established pursuant to RCW 70.94.152 and Puget Sound Clean Air Agency Regulation I, Article 6.

[WAC 173-401-724, 11/04/93]

D. Permit Modification

1. Definition

A permit modification is any revision to this permit that cannot be accomplished under provisions for administrative permit amendments under WAC 173-401-720.

2. Procedures

Minor permit modification procedures.

(a) Criteria

(i) Minor permit modification procedures shall be used for those permit modifications that:

(A) Do not violate any applicable requirement;

(B) Do not involve significant changes to existing monitoring, reporting, or recordkeeping requirements in the permit;

(C) Do not require or change a case-by-case determination of an emission limitation or other standard, or a source-specific determination for temporary sources of ambient impacts, or a visibility or increment analysis;

(D) Do not seek to establish or change a permit term or condition for which there is no corresponding underlying applicable requirement and that the permittee has assumed to avoid an applicable requirement to which the permittee would otherwise be subject. Such terms and conditions include:

(I) A federally enforceable emissions cap assumed to avoid classification as a modification under any provision of Title I of the FCAA; and

(II) An alternative emissions limit approved pursuant to regulations promulgated under Section 112(i)(5) of the FCAA;

(E) Are not modifications under any provision of Title I of the FCAA;

(ii) Notwithstanding (a)(i) of this subsection, and subsection (3) of this section, the Puget Sound Clean Air Agency may allow the use of minor permit modification procedures for permit modifications involving the use of economic incentives, marketable permits, emissions trading, and other similar approaches, to the extent that the use of such minor permit modification procedures are explicitly provided for in the Washington state implementation plan or in applicable requirements promulgated by EPA and in effect on April 7, 1993.

(b) Application. An application requesting the use of minor permit modification procedures shall meet the requirements of WAC 173-401-510 and shall include the following:

(i) A description of the change, the emissions resulting from the change, and any new applicable requirements that will apply if the change occurs;

(ii) The permittee's suggested draft permit;

(iii) Certification by a responsible official, consistent with WAC 173-401-520, of the truth, accuracy, and completeness of the application and that the proposed modification meets the criteria for use of minor permit modification procedures and a request that such procedures be used; and

(iv) Completed forms for the Puget Sound Clean Air Agency to use to notify EPA and affected states as required under WAC 173-401-810 and 173-401-820.

(c) The permittee's ability to make changes. The permittee may make the change proposed in its minor permit modification application immediately after it files such application provided that those changes requiring the submissions of a notice of construction application have been reviewed and approved by the Puget Sound Clean Air Agency. After the permittee makes the change allowed by the preceding sentence, and until the Puget Sound Clean Air Agency takes any of the actions specified in WAC 173-401-725(d), the permittee must comply with both the applicable requirements governing the change and the proposed permit terms and conditions. During this time period, the permittee need not comply with the existing permit terms and conditions it seeks to modify. However, if the permittee fails to comply with its proposed permit terms and conditions during this time period, the existing permit terms and conditions it seeks to modify may be enforced against it.

(d) Permit shield. The permit shield under WAC 173-401-640 shall not extend to minor permit modifications.

[WAC 173-401-725, 11/04/93]

3. Group processing of minor permit modifications

Consistent with WAC 173-401-725(3), the Puget Sound Clean Air Agency may process groups of a source's applications for certain modifications eligible for minor permit modification processing.

[WAC 173-401-725, 11/04/93]

4. Significant modification procedures

(a) Criteria. Significant modification procedures shall be used for applications requesting permit modifications that do not qualify as minor permit modifications or as administrative permit amendments. Every significant change in existing monitoring permit terms or conditions and every relaxation of reporting or recordkeeping permit terms or conditions shall be considered significant. Nothing herein shall be construed to preclude the permittee from making changes consistent with Chapter 173-401 WAC that would render existing permit compliance terms and conditions irrelevant.

(b) Significant permit modifications shall meet all requirements of Chapter 173-401 WAC, including those for applications, public participation, review by affected states, and review by EPA, as they apply to permit issuance and permit renewal. The Puget Sound Clean Air Agency shall complete review on the majority of significant permit modifications within nine months after receipt of a complete application.

[WAC 173-401-725, 11/04/93]

E. Reopening for Cause

1. Standard provisions

This permit shall be reopened and revised under any of the following circumstances:

(a) Additional applicable requirements become applicable to the permittee with a remaining permit term of three or more years. Such a reopening shall be completed not later than eighteen months after promulgation of the applicable requirement. No such reopening is required if the effective date of the requirement is later than the date on which the permit is due to expire, unless the original permit or any of its terms and conditions have been extended pursuant to WAC 173-401-620(2)(j);

(b) Additional requirements (including excess emissions requirements) become applicable to an affected source under the acid rain program. Upon approval by EPA, excess emissions offset plans shall be deemed to be incorporated into the permit;

(c) The Puget Sound Clean Air Agency or EPA determine that the permit contains a material mistake or that inaccurate statements were made in establishing the emissions standards or other terms or conditions of the permit; or

(d) The Puget Sound Clean Air Agency or EPA determines that the permit must be revised or revoked to assure compliance with the applicable requirements.

[WAC 173-401-730, 11/04/93]

2. Procedures

Proceedings to reopen and issue a permit shall follow the same procedures as apply to initial permit issuance and shall affect only those parts of the permit for which cause to reopen exists. Such reopening shall be made as expeditiously as practicable.

[WAC 173-401-730, 11/04/93]

3. Notice

Reopenings under this section shall not be initiated before a notice of such intent is provided to the permittee by the Puget Sound Clean Air Agency at least thirty days in advance of the date that the permit is to be reopened, except that the Puget Sound Clean Air Agency may provide a shorter time period in the case of an emergency.

[WAC 173-401-730, 11/04/93]

VII. PERMIT SHIELD

Compliance with the conditions of the permit shall be deemed compliance with any applicable requirements contained in Sections I through VI of this permit that are specifically identified in this permit as of the date of permit issuance.

[WAC 173-401-640(1), 11/04/93]

Nothing in this permit shall alter or affect the following:

1) The provisions of Section 303 of the FCAA (emergency orders), including the authority of the EPA Administrator under that section;
2) The liability of an owner or operator of the permittee for any violation of applicable requirements prior to or at the time of permit issuance;
3) The applicable requirements of the acid rain program, consistent with Section 408(a) of the FCAA;
4) The ability of EPA to obtain information from a source pursuant to Section 114 of the FCAA; or
5) The ability of the Puget Sound Clean Air Agency to establish or revise requirements for the use of reasonably available control technology (RACT) as provided in chapter 252, Laws of 1993.

[WAC 1-73-401-640(4), 11/04/93]

VIII. COMPLIANCE TEST METHODS

A. Test Method and Averaging Periods

Unless otherwise specified in the rules or approval conditions, compliance shall be determined based on the averaging periods as described in the table below. In the event that a sample is accidentally lost or conditions occur in which one of the runs must be discontinued because of circumstances beyond the operator's control, compliance may, upon EPA or Puget Sound Clean Air Agency approval, be determined from the arithmetic average of the two other runs.

Test Method	Title	Averaging Period
Puget Sound Clean Air Agency Method 5 Puget Sound Clean Air Agency Board Resolution 540, August 11, 1983	Determination of Particulate Emissions from Stationary Sources	The test shall consist of 3 runs and at least 1-hour per run. Determine the PM emission from the arithmetic average of the three runs.
EPA Method 5 40 CFR 60, Appendix A, July 1, 2012	Determination of Particulate Emissions from Stationary Sources	The test shall consist of 3 runs and at least 1-hour per run. Determine the PM emission from the arithmetic average of the three runs.
EPA Method 6C 40 CFR Part 60, Appendix A, July 1, 2012	Determination of Sulfur Dioxide Emissions from Stationary Sources	The test shall consist of 1 run and at least 1-hour per run.
Ecology Method 9A, "Source Test Manual – Procedures for Compliance Testing", July 12, 1990	Visual Determination of the Opacity of Emissions from Stationary Sources - for State and Puget Sound Clean Air Agency requirements	Any 13 opacity readings above standard in one hour, opacity readings taken in 15-second intervals.
EPA Method 25A 40 CFR Part 60, Appendix A, July 1, 2012	Determination of total gaseous organic concentration using a flame ionization analyzer	The test shall consist of 3 runs and at least 1-hour per run. Determine the emission from the arithmetic average of the three runs.
EPA Method 26 A 40 CFR Part 60, Appendix A July 1, 2012	Determinations of HCl	The test shall consist of 1 run and at least 1-hour per run.
EPA Method 204 40 CFR Part 51, Appendix M April 2, 2014,	Criteria for and Verification of a Permanent or Temporary Total Enclosure	

B. PSCAA Method 5 for Particulate

RESOLUTION NO. 540

RESOLUTION OF THE BOARD OF DIRECTORS OF THE PUGET SOUND AIR POLLUTION CONTROL AGENCY ADOPTING MODIFIED PARTICULATE SOURCE TEST PROCEDURES

WHEREAS, Regulation I Section 9.09(f) requires procedures for source sampling performed in connection with standards of Regulation I and II for particulate and gases to be done using current Environmental Protection Agency requirements or procedures and definitions adopted by the Board; and

WHEREAS, to conform to current safe and less toxic chemical storage, the particulate measurement procedures currently used by the Agency have been proposed for modification; and

WHEREAS, the Expanded Advisory Council reviewed and approved said source test laboratory procedure modifications; and

WHEREAS, a public hearing was held by the Puget Sound Air Pollution Control Agency Board of Directors on August 11, 1983, to allow public input and critique on the proposals; and

WHEREAS, the Board deems it necessary to adopt said modification to source test procedures; now therefore,

BE IT RESOLVED BY THE BOARD OF PUGET SOUND AIR POLLUTION CONTROL AGENCY:

The Board of Directors does hereby adopt the modifications to the source test procedures, a copy of which is attached hereto and made a part hereof.

PASSED AND APPROVED by the Board of Directors of the Puget Sound Air Pollution Control Agency held this 11th day of August, 1983.

PUGET SOUND AIR POLLUTION CONTROL AGENCY

By _____
Chairman

Attest:

_____
Air Pollution Control Officer

Approved as to form:

_____
Agency Attorney

Proposed Revised PSAPCA
Particulate Source Test Procedures

Engineering Division
Puget Sound Air Pollution Control Agency
200 West Mercer Street, Room 205
P.O. Box 9863
Seattle, Washington 98109

June 9, 1983

I. Procedures for Particulate Source Sampling

Unless otherwise authorized by the Control Officer, all particulate source sampling performed to demonstrate compliance with the emission standards of Regulation I shall be done using current Environmental Protection Agency Methods 1-5 contained in 40 CFR Part 60, Appendix A, as modified in Section II of this document.

II. Procedure for Determining Particulate Matter in the Impinger Catch (Back Half)

The analysis and calculations for Method 5 shall conform to that described by EPA in the current 40 CFR Part 60, Appendix A, except that the back half catch shall be included as particulate matter. The back half weight is the sum of the impinger catch (organic and inorganic) and the back half acetone rinse weights.

A. Sample Recovery of the Back Half

1. Purging

Whenever SO_2 interference is suspected, purge the impingers immediately after the test run is complete with N_2 or clean air for a minimum of one-half the sample volume.

2. Impinger Liquid

Measure the volume of water collected in all impingers and place the water from the first three impingers in a container. Thoroughly rinse all sample-exposed surfaces between the filter and fourth impinger with water and place in above container.

3. Acetone Rinse

Thoroughly rinse all sample-exposed surfaces between the filter and the fourth impinger with acetone and place the washings in a tared beaker to dry.

B. Analysis of the Back Half

1. Impinger Liquid Extraction

a. Add 50-100 mℓ of dichloromethane to the impinger liquid.

b. Spin for at least ten minutes.

c. Pour the liquid into a separatory funnel and drain the organic phase into a tared beaker (organic fraction).

d. Drain the remaining liquid into a beaker and repeat Steps a, b, and c. Perform the extraction several times with fresh dichloromethane until the organic fraction is clear. Keep each organic extraction in a separate beaker.

e. Following the last extraction, drain the remaining liquid from the separatory funnel into a tared beaker (inorganic fraction).

f. Allow the organic fraction beakers to dry under a hood at room temperature.

g. Evaporate the inorganic fraction in such a manner that the beaker contents do not become exposed to temperatures greater then 212°F.

h. Dry weighed beakers containing a sample of the acetone, dichloromethane and a sample of distilled deionized water to check for blank weight.

i. Desiccate organic, inorganic and blank beakers for at least 24 hours at room temperature in a disiccator containing silica gel. Weigh to a constant weight and report the results to the nearest 0.1 mg. Constant weight is defined in Section 4.3 of Method 5.

2. Back Half Acetone Rinse

a. Dry the acetone rinse in a hood at room temperature.

b. Desiccate and weigh the beaker to constant weight and record.

C. Reagents

1. Water

Use distilled deionized water in the impingers and to rinse all glassware.

2. Acetone

Use reagent grade, $\leq$ 0.001 percent residue in glass bottles.

3. Dichloromethane

Use reagent grade, $\leq$ 0.001 percent residue in glass bottles.

IX. INAPPLICABLE REQUIREMENTS

As of the date of permit issuance, the requirements listed below do not apply to the permittee, or to the specific emissions units specified below for the reasons indicated. The permit shield applies to all requirements so identified.

[WAC 173-401-640(2), 11/04/93]

Requirement	Adoption or Effective Date	Description and Reason for Inapplicability
WAC 173-400-050(2) ---------- WAC 173-400-050(2) *Not federally enforceabe*	3/22/91 ---------- 2/10/05	Limits emissions from incinerators to 100 ppmv of total carbonyls. The catalytic and regenerative thermal oxidizers used to control VOC emissions from the coating lines are not incinerators as defined in WAC 173-400-030(41) (i.e., "*a furnace used primarily for the thermal destruction of waste.*"
Chapter 173-434 WAC	1/22/04	Solid Waste Incinerator Facility rules. The permittee does not burn 'solid waste' and is not an 'incinerator facility' as defined in WAC 173-434-030.
WAC 173-490-030	3/22/91	Registration and Reporting for some VOC sources. Operating permit sources are exempt from registration under RCW 70.94.161(17).
40 CFR Part 60: Subpart K Subpart Ka Subpart Kb PSCAA Reg. II: 3.02	 10/17/00 12/14/00 10/15/03 7/8/99	Standards of Performance for VOC Storage Vessels. The permittee does not have any storage tanks with a storage capacity of 75 m^3 (20000 gal) or greater.
40 CFR 63.8	4/20/06	Monitoring requirements. Section 63.8(a)(2), applicability, states: "*all CMS required under relevant standards shall be subject to the provisions of this section upon promulgation of performance specifications for CMS as specified in the relevant standard.*" The Paper Coating NESHAP 40 CFR Part 63 Subpart JJJJ (and the preamble in the FR notice) doesn't use the term 'performance specification' except for CEMS. There are no performance specifications in the Paper Coating NESHAP 40 CFR Part 63 Subpart JJJJ or 40 CFR Part 60, Appendix B, for thermocouples and pressure differential gauges.
40 CFR 63.9(g)	5/30/03	Additional notification requirements for sources with continuous monitoring systems. A notification of the date the CMS performance evaluation under §63.8(e) is not applicable to continuous temperature monitoring systems and pressure differential gauges (see §63.8 above).

Requirement	Adoption or Effective Date	Description and Reason for Inapplicability
PSCAA Order of Approval Nos. 5089 5181 6867 7208 7784 9269 9632	 10/4/93 10/6/94 3/12/95 2/6/98 6/3/99 7/28/05 8/1/07	Canceled and superseded by Order of Approval No. 9326 (yet to be issued)
PSCAA Order of Approval No. 5181	11/15/93	Canceled and superseded by Order of Approval No. 5181 (dated 10/6/94).
PSCAA Order of Approval No. 6804	2/12/97	Canceled and superseded by Order of Approval No. 7208 (dated 2/6/98).