



AIR OPERATING PERMIT


Puget Sound Clean Air Agency
1904 3rd Ave, Suite 105
Seattle, Washington 98101

Issued in accordance with the provisions of Puget Sound Clean Air Agency (previously known as Puget Sound Air Pollution Control Agency (PSAPCA)) 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 the Puget Sound Naval Shipyard is authorized to operate subject to the terms and conditions in this permit.

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ISSUED TO: Puget Sound Naval Shipyard	
PERMIT EXPIRATION DATE: December 31, 2008	

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I. EMISSION LIMITS AND PERFORMANCE STANDARDS

The following tables list the citation for the “applicable requirement” in the second column. The third column (Date) contains the adoption or effective date of the requirement. In some cases, the effective dates of the Federally Enforceable Requirement and the State Only Requirement are different because only rules approved by EPA through Sections 110, 111, and 112 of the federal Clean Air Act are federally enforceable and either the state has not submitted the regulation to the EPA or the EPA has not approved it.

The first column is used as an identifier for the requirement, and the fourth (Requirement Paraphrase) column paraphrases the requirement. The first and fourth 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 third columns.

The fifth column (Monitoring, Maintenance & Recordkeeping Method) identifies the methods described in Section II of the permit. Following these methods is an enforceable requirement of this permit. The sixth (Emission Standard Period) column identifies the averaging time for the reference test method. The last column (Reference Test Method) identifies the reference method associated with an applicable emission limit 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.

In the event of conflict or omission between the information contained in the fourth and sixth columns 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 and third columns, 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 for specific emission units or activities supersede the general monitoring requirements listed in Section I.A.

Table 1 Facility-Wide Applicable Requirements

Reqmt. No.	Enforceable Requirement	Adoption or Effective Date	Requirement Paraphrase (Information Only)	Monitoring, Maintenance & Recordkeeping Method (See Section II)	Emission Standard Period	Reference Test Method
I.A.1	Puget Sound Clean Air Agency Reg I: 9.03 <i>This requirement will be superseded upon adoption of the 3/11/99 version of Reg I: 9.03 into the SIP</i>	09/08/1994	Shall not emit air contaminants in excess of 20% opacity for more than 3 minutes per hour	II.A.1(a) Opacity Monitoring	More than 3 min in any 1 hr	Ecology Method 9A (See Section IX)
	<i>Puget Sound Clean Air Agency Reg. I: 9.03 (State Only). This requirement will become federally enforceable upon adoption into the SIP and will replace the 9/08/94 version of Reg I: 9.03</i>	03/11/1999				
	<i>WAC 173-400-040(1) This requirement will be superseded upon adoption of the 12/23/00 version of WAC 173-400-040(1) into the SIP</i>	08/20/1993				
	<i>WAC 173-400-040(1) (State Only). This requirement will become federally enforceable upon adoption into the SIP and will replace the 8/20/1993 version of WAC 173-400-040(1)</i>	12/23/2000				

Reqmt. No.	Enforceable Requirement	Adoption or Effective Date	Requirement Paraphrase (Information Only)	Monitoring, Maintenance & Recordkeeping Method (See Section II)	Emission Standard Period	Reference Test Method
I.A.2	Puget Sound Clean Air Agency Reg I: 9.09(a) <i>This requirement will be superseded upon adoption of the 4/9/98 version of Reg I: 9.09 into the SIP</i> WAC 173-400-060 Puget Sound Clean Air Agency Reg I: 9.09 (State Only) <i>This requirement will become federally enforceable upon adoption of the 4/9/1998 version of Reg I: 9.09 into the SIP</i>	2/10/1994 12/23/2000 04/09/1998	Shall not emit particulate matter in excess of 0.05 gr/dscf from equipment used in a manufacturing process and general process units, uncorrected for excess air	II.A.1(a) Opacity Monitoring	At least 1-hr per run	Puget Sound Clean Air Agency Method 5 (See Section IX)
I.A.3	Puget Sound Clean Air Agency Reg I: 9.09(a) <i>This requirement will be superseded upon adoption of the 4/9/98 version of Reg I: 9.09 into the SIP</i> WAC 173-400-050 Puget Sound Clean Air Agency Reg I: 9.09 (State Only) <i>This requirement will become federally enforceable upon adoption of the 4/9/1998 version of Reg I: 9.09 into the SIP</i>	02/10/1994 03/22/1991 04/09/1998	Shall not emit particulate matter in excess of 0.05 gr/dscf corrected to 7% O ₂ from fuel burning equipment and combustion sources (applies to the equipment that produces hot air, hot water, steam, or other heated fluids by external combustion of fuel. Examples include indirect-fired drying ovens and space heaters and water heaters)	II.A.1(a) Opacity Monitoring	At least 1-hr per run	Puget Sound Clean Air Agency Method 5 (See Section IX)
I.A.4	Puget Sound Clean Air Agency Reg I: 9.07 WAC 173-400-040(6) first	04/14/1994 08/20/1993	Shall not emit SO ₂ in excess of 1,000 ppmv (dry) corrected to 7% O ₂ for fuel burning	II.A.2(e) Fuel Oil Sulfur Content Monitoring Procedure	At least 1-hr per run	EPA Method 6C (See 40 CFR Part 60, Appendix A,

Reqmt. No.	Enforceable Requirement	Adoption or Effective Date	Requirement Paraphrase (Information Only)	Monitoring, Maintenance & Recordkeeping Method (See Section II)	Emission Standard Period	Reference Test Method
	<p>paragraph only. <i>This requirement shall be superseded by the 12/23/00 version of WAC 173-400-040(6) upon its adoption into the SIP</i></p> <p>WAC 173-400-040(6) (State Only). <i>This requirement will become federally enforceable upon adoption into the SIP and will replace the 8/20/93 version of WAC 173-400-040(6)</i></p>	12/23/2000	equipment			July 1, 2001)
I.A.5	<p>Puget Sound Clean Air Agency Reg I: 9.11 <i>This requirement will be superseded upon adoption of the 3/11/99 version of Reg I: 9.11 into the SIP</i></p> <p>WAC 173-400-040(5) <i>This requirement will be superseded upon adoption of the 12/23/00 version of WAC 173-400-040(5) into the SIP</i></p> <p>Puget Sound Clean Air Agency Reg I: 9.11 (State Only) <i>This requirement will become federally enforceable upon adoption into the SIP and will replace the 6/9/1983 version of Reg I: 911(a).</i></p>	<p>06/9/1983</p> <p>08/20/1993</p> <p>03/11/1999</p>	<p>Shall not emit air contaminants 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</p>	II.A.1(b) Complaint Response; II.A.1(c) Facility Inspections	N/A	N/A

Reqmt. No.	Enforceable Requirement	Adoption or Effective Date	Requirement Paraphrase (Information Only)	Monitoring, Maintenance & Recordkeeping Method (See Section II)	Emission Standard Period	Reference Test Method
	WAC 173-400-040(5) (<i>State Only</i>). This requirement will become federally enforceable upon adoption into the SIP and will replace the 8/20/93 version of WAC 173-400-040(5)	12/23/2000				
I.A.6	Puget Sound Clean Air Agency Reg I: 9.15 <i>This requirement will be superseded upon adoption of the 3/11/1999 version of Reg I: 9.15 into the SIP</i>	08/10/1989	<ul style="list-style-type: none"> (a) Shall not emit visible dust unless BACT is employed to control the emissions (b) Unlawful to operate a vehicle on paved public roads unless: <ul style="list-style-type: none"> (1) The vehicle is constructed or loaded to prevent load from escaping or spilling; (2) The vehicle is covered to prevent load from escaping or spilling if loaded with gravel or dirt; and (3) Mud, dirt, and other debris is cleaned from the chassis and tires of the vehicle (c) Unlawful to allow emission of fugitive dust from any refuse or fuel burning, manufacturing, or emissions control equipment 	II.A.1(b) Complaint Response; II.A.1(c) Facility Inspections II.A.1(f) Fugitive Dust, Track-Out, and Odor Bearing Contaminants	N/A	N/A

Reqmt. No.	Enforceable Requirement	Adoption or Effective Date	Requirement Paraphrase (Information Only)	Monitoring, Maintenance & Recordkeeping Method (See Section II)	Emission Standard Period	Reference Test Method
			(d) Unlawful to allow emission of fugitive dust in such quantities and of such characteristics and duration as is, or is likely to be, injurious to human health, plant or animal life, or which unreasonably interferes with enjoyment of life and property			
I.A.7	Puget Sound Clean Air Agency Reg I: 9.15 (<i>State only</i>) <i>This requirement shall become federally enforceable upon adoption into the SIP and will replace the 8/10/1989 version of Reg I:9.15</i>	03/11/1999	It shall be unlawful for any person to cause or allow visible emissions of fugitive dust unless reasonable precautions are employed to minimize the emissions. Reasonable precautions include, but are not limited to, the following: (1) The use of control equipment, enclosures, and wet (or chemical) suppression techniques, as practical, and curtailment during high winds; (2) Surfacing roadways and parking areas with asphalt, concrete, or gravel; (3) Treating temporary, low-traffic areas (e.g., construction sites) with water or chemical stabilizers, reducing vehicle speeds, constructing pavement or rip rap exit aprons, and cleaning vehicle undercarriages	II.A.1(b) Complaint Response; II.A.1(c) Facility Inspections II.A.1(f) Fugitive Dust, Track-Out, and Odor Bearing Contaminants	N/A	N/A

Reqmt. No.	Enforceable Requirement	Adoption or Effective Date	Requirement Paraphrase (Information Only)	Monitoring, Maintenance & Recordkeeping Method (See Section II)	Emission Standard Period	Reference Test Method
			before they exit to prevent the track-out of mud or dirt onto paved public roadways; or (4) Covering or wetting truck loads or allowing adequate freeboard to prevent the escape of dust-bearing materials			
I.A.8	WAC 173-400-040(3) & (8) <i>These requirements will be superseded upon adoption of the 12/23/00 versions of WAC 173-400-040(3) & (8) into the SIP</i> WAC 173-400-040(3) & (8) (State Only). <i>These requirements will become federally enforceable upon adoption into the SIP and will replace the 8/20/93 versions of WAC 173-400-040(3) & (8)</i>	08/20/1993 12/23/2000	Shall not emit visible dust unless reasonable precautions are employed to minimize the emissions	II.A.1(b) Complaint Response; II.A.1(c) Facility Inspections II.A.1(f) Fugitive Dust, Track-Out, and Odor Bearing Contaminants	N/A	N/A
I.A.9	Puget Sound Clean Air Agency Reg I: 9.20 and RCW 70.94.152(7) (1996) (State Only)	06/09/1988	Must maintain equipment both subject and not subject to Puget Sound Clean Air Agency Regulation I, Article 6 in good working order	II MONITORING, MAINTENANCE AND RECORDKEEPING PROCEDURES	N/A	N/A
I.A.10	Puget Sound Clean Air Agency Reg I: 7.09(b) <i>This requirement will be superseded upon adoption of the 9/10/1999 version of Reg I: 7.09(b) into the SIP</i>	09/12/1996	Must develop and implement an O&M Plan to assure continuous compliance with Puget Sound Clean Air Agency Regulations I, II and III	II MONITORING, MAINTENANCE AND RECORDKEEPING PROCEDURES	N/A	N/A

Reqmt. No.	Enforceable Requirement	Adoption or Effective Date	Requirement Paraphrase (Information Only)	Monitoring, Maintenance & Recordkeeping Method (See Section II)	Emission Standard Period	Reference Test Method
	Puget Sound Clean Air Agency Reg I: 7.09(b) (<i>State Only</i>) This requirement shall become federally enforceable upon adoption into the SIP and will replace the 9/12/96 version of Reg I:7.09(b)	09/10/1998				
I.A.11	WAC 173-400-040(4) (<i>State/Puget Sound Clean Air Agency enforceable only</i>)	12/23/2000	Must use recognized good practice and procedures to reduce odors which may unreasonably interfere with any other property owners' use and enjoyment of their property	II.A.1(b) Complaint Response; II.A.1(c) Facility Inspections	N/A	N/A
I.A.12	WAC 173-400-040(2) (<i>State/Puget Sound Clean Air Agency enforceable only</i>)	12/23/2000	Shall not deposit particulate matter beyond property boundary in sufficient quantity to interfere unreasonably with the use and enjoyment of the property	II.A.1(b) Complaint Response; II.A.1(c) Facility Inspections	N/A	N/A
I.A.13	Puget Sound Clean Air Agency Reg I: 9.10(a) (<i>State/Puget Sound Clean Air Agency enforceable only</i>)	06/09/1988	Shall not emit HCl in excess of 100 ppm (dry) corrected to 7% O ₂ for combustion sources	No monitoring required	At least three 1-hr runs	EPA Method 26A (See 40 CFR Part 60, Appendix A; July 1, 2001)
I.A.14	RCW 70.94.040 (<i>State/Puget Sound Clean Air Agency enforceable only</i>)	1996	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	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 to the specific emission units or activities described in Section I.B. If the monitoring, maintenance and recordkeeping method for demonstrating compliance with any requirement in Section I.A. is more extensive for specific emission units, the requirement is repeated in this section with the additional monitoring, maintenance and recordkeeping requirements.

The first part of each subsection in Section I.B. lists a description of the emission activity and identifying information about each specific emission point or unit. The identifying information includes the PSNS source ID number, which includes the building the source is located in, the Notice of Construction (NOC) number for equipment that has gone through the new source review process, the installation date if known, and a short description of the emission unit. This information, which is in italics, is not an applicable requirement. Because of the size of PSNS and its complexity, the information is provided as an aid in understanding this permit update and identifying the specific emission unit or activity.

The following tables list the citation for the “applicable requirement” in the second column.

The third column (Requirement Paraphrase) paraphrases the requirements and is not an enforceable condition of this permit. The actual enforceable requirement is embodied in the requirement cited in the second column.

The fourth column (Monitoring, Maintenance and Recordkeeping Method) identifies the compliance demonstration methods that PSNS shall use to monitor compliance with the applicable requirements identified in the second column. These methods are described in Section II of this permit. In some cases where the applicable requirement does not cite a test method, one has been added.

PSNS is subject to all the applicable requirements listed in the tables below. The paraphrasing contained in the third column below is intended to generally state the relevant requirements for the purposes of the table, but is not intended in any way to alter or change the meaning of any requirement referenced in the second column.

In the event of conflict or omission between the information contained in the third column 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.

1. Vapor Degreasing and Solvent Cleaning Operations

DESCRIPTION: *This section includes all activities and equipment associated with vapor degreasing and solvent metal cleaning operations, including degreasing and cleaning solvent storage. The Shipyard utilizes two vapor degreasers, both located in the Building 873 Metal Preparation Facility. One vapor degreaser employs the Hazardous Air Pollutant (HAP) trichloroethylene (also a Toxic Air Contaminant) and thus is regulated by the Halogenated Solvent NESHAP. The second and larger vapor degreaser employs a solvent consisting of greater than 95% N-propyl bromide, which is neither HAP nor Toxic Air Contaminant (TAC). The remaining 5% contains a trace amounts TAC. Both vapor degreasers are equipped with spray wands, but neither have lip exhausts.*

For the purpose of defining an emission unit in this permit, each vapor degreaser or solvent cleaning tank is considered a separate emission unit.

Emission Units

<i>Bldg.</i>	<i>ID#</i>	<i>Date</i>	<i>Source Description</i>	<i>Order of Approval</i>
873	71-873-163	08/15/96	Trichloroethylene vapor degreaser	6558
873	71-873-161A	03/12/99	n-propyl bromide vapor degreaser	7624

Data in italics are for information only and not enforceable conditions of this permit.

COMPLIANCE REQUIREMENTS:

Reqmt. No.	Enforceable Requirement	Requirement Paraphrase (For Information Only)	Monitoring, Maintenance & Recordkeeping Method (See Section II)
(a) Requirement Nos. EU 1.1 through EU 1.15 are the NESHAP General Provisions (40 CFR 63 Subpart A). Applicability of 40 CFR 63 Subpart A is defined in Appendix B to Subpart T of Part 63. Appendix B supersedes this permit if an apparent conflict exists. These requirements apply to Unit ID No. 71-873-163, when using halogenated solvent as defined by Subpart T.			
EU 1.1	40 CFR 63.1(c)(1), 63.4 (4/5/02)	Must comply with 40 CFR 63 Subpart A and T.	No Monitoring Required (NMR)
EU 1.2	40 CFR 63.5 (4/5/02)	Must comply with preconstruction review requirements if reconstructing source.	NMR
EU 1.3	40 CFR 63.6(b)(2) (4/5/02)	New and reconstructed affected sources that have an initial startup after the effective date of 40 CFR 63 Subpart T must comply with the requirements of Subpart T upon startup.	NMR

Reqmt. No.	Enforceable Requirement	Requirement Paraphrase (For Information Only)	Monitoring, Maintenance & Recordkeeping Method (See Section II)
EU 1.4	40CFR 63.6(e)(1) (4/5/02)	At all times, including startup, shutdown, and malfunction, must operate and maintain affected sources consistent with good air pollution control practice. Correct malfunctions as soon as practicable after their occurrence.	II.A.2(d)(vi) Vapor Degreasers and Solvent Metal Cleaners
EU 1.5	40 CFR 63.6(f) (4/5/02)	The nonopacity emission standards set forth in Subpart A shall apply at all times except during periods of startup, shutdown, and malfunction as set forth in 40 CFR Part 63 Subparts A&T.	II.A.2(d)(vi) Vapor Degreasers and Solvent Metal Cleaners
EU 1.6	40 CFR 63.7 (4/5/02)	Performance testing requirements. Section applies if the facility chooses the option allowed in Subpart T to perform an idling emission performance test.	NMR
EU 1.7	40 CFR 63.8 (b)(1) (4/5/02)	Conduct of monitoring. Monitoring shall be conducted as set forth in Subpart A & T.	II.A.2(d)(vi) Vapor Degreasers and Solvent Metal Cleaners
EU 1.8	40 CFR 63.8(f) (4/5/02)	PSNS must receive permission from the Puget Sound Clean Air Agency before using an alternative monitoring procedure.	NMR
EU 1.9	40 CFR 63.9(b)(3), (b)(5) (4/5/02)	PSNS shall notify the Puget Sound Clean Air Agency according to 40 CFR 63.9(b)(3)-(5) if it constructs or reconstructs a new affected source. Subpart T, 63.468(a)-(b) has some more information requirements specific to the vapor degreasers.	NMR
EU 1.10	40CFR63.9 (e) (4/5/02)	PSNS shall notify Puget Sound Clean Air Agency of its intent to conduct a performance test at least 60 days before the performance test is scheduled.	NMR
EU 1.11	40 CFR 63.9(i) (4/5/02)	Adjustment to time periods or postmark deadlines for submittal and review of required communications may be requested from and approved by the Puget Sound Clean Air Agency.	NMR
EU 1.12	40 CFR 63.9(j) (4/5/02)	Notification Requirements. Any change in the information already provided under 40 CFR 63.9 shall be sent to the Puget Sound Clean Air Agency within 15 days after the change.	NMR
EU 1.13	40 CFR 63.10(a)(3)-(7) (4/5/02)	PSNS must send the reports according to 40 CFR 63.10(a)(3)-(7) and can request alternate reporting dates.	NMR

Reqmt. No.	Enforceable Requirement	Requirement Paraphrase (For Information Only)	Monitoring, Maintenance & Recordkeeping Method (See Section II)
EU 1.14	40 CFR 63.10(f) (4/5/02)	PSNS must comply with the recordkeeping and reporting requirements in 40 CFR 63.10 unless a waiver is granted by the Puget Sound Clean Air Agency.	NMR
EU 1.15	40 CFR 63.10(d)(1) (4/5/02)	PSNS shall submit reports in accordance with 40 CFR 63 Subpart T.	NMR
(b) Requirement Nos. EU 1.16 through EU 1.27 are the Halogenated Solvent Cleaning NESHAP requirements and apply to Unit ID No. 71-873-163.			
EU 1.16	40 CFR 63.464(a) (9/8/00)	As an alternative to meeting the requirements of 40 CFR 63.463 PSNS has elected to comply with requirements of 40 CFR 63.464	NMR
EU 1.17	40 CFR 63.464(a)(1) (9/8/00)	<p>(1) If the cleaning machine has a solvent/air interface PSNS shall comply with (i) and (ii) below:</p> <p>(i) Maintain log of solvent additions and deletions for each cleaning machine</p> <p>(ii) Ensure emissions from each machine are equal to or less than the emission limit of Table 5 (150 kg/square meter per month) as determined using procedures in 63.465 (b) and (c).</p>	II.A.2(d)(vi) Vapor Degreasers and Solvent Metal Cleaners
EU 1.18	40 CFR 63.464(b) (9/8/00)	PSNS shall demonstrate compliance with the 3-month rolling average emission rate on a monthly basis	II.A.2(d)(vi) Vapor Degreasers and Solvent Metal Cleaners
EU 1.19	40 CFR 63.464(c) (9/8/00)	If the 3-month rolling average is exceeded, the exceedence shall be reported.	NMR
EU 1.20	40 CFR 63.465(b) (9/8/00)	On the first operating day of the month PSNS shall ensure that the solvent cleaning system contains only clean solvent. This includes cleaned used solvent. The solvent level within the machine must be returned to the same fill-line each month, immediately prior to calculating monthly emissions.	II.A.2(d)(vi) Vapor Degreasers and Solvent Metal Cleaners
EU 1.21	40 CFR 63.465(c) (9/8/00)	PSNS shall on the first operating day of each month determine the solvent emissions.	II.A.2(d)(vi) Vapor Degreasers and Solvent Metal Cleaners

Reqmt. No.	Enforceable Requirement	Requirement Paraphrase (For Information Only)	Monitoring, Maintenance & Recordkeeping Method (See Section II)
EU 1.22	40 CFR 63.465(e) (9/8/00)	PSNS must determine potential to emit from all 40 CFR 63.460 solvent cleaning sources using the procedures described in paragraphs 40 CFR 63.465(e)(1) through (e)(3).	II.A.2(c) Documentation on File
EU 1.23	40 CFR 63.467(c)(1) (12/3/99)	PSNS when following the provisions of 40 CFR 63.464 shall maintain records of: a. Dates and amounts of solvent added to machine.	II.A.2(d)(vi) Vapor Degreasers and Solvent Metal Cleaners
EU 1.24	40 CFR 63.467(c)(2) (12/3/99)	PSNS shall maintain records of solvent composition of wastes removed	II.A.2(d)(vi) Vapor Degreasers and Solvent Metal Cleaners
EU 1.25	40 CFR 63.467(c)(3) (12/3/99)	PSNS shall maintain records of calculations sheets showing how monthly and 3-month rolling average emissions were determined and the results of all calculations	II.A.2(d)(vi) Vapor Degreasers and Solvent Metal Cleaners and II.2(c) Documentation on file
EU 1.26	40 CFR 63.468(g) (12/14/99)	PSNS complying with 40CFR63.464 shall submit a solvent emission report every year as described in Section V.Q.4 of this permit. The report shall contain: 1. The size and type of each unit & solvent/air interface area 2. The average monthly solvent consumption 3. The 3-month rolling average solvent emission estimates.	II.A.2(c) Documentation on File
EU 1.27	40 CFR 63.468(h) (12/14/99)	PSNS shall submit an exceedence report to Administrator semiannually. The report is due to be postmarked by the 30 th day following the end of each calendar half or quarter as appropriate. The report shall include this applicable information: 1. If an exceedence has occurred the reason for it and a description of the actions taken. 2. If no exceedence has occurred it shall be stated in the report.	II.A.2(c) Documentation on File
(c) Requirement Nos. EU 1.28 through EU 1.36 are the Puget Sound Clean Air Agency requirements for all solvent metal cleaners that use Toxic Air Contaminants or Hazardous Air Pollutants.			
EU 1.28	Puget Sound Clean Air Agency Reg III: 3.05(a)(1) (8/90)	The cleaner tank cover shall always remain closed except when processing work. The cover shall be closed to the maximum extent possible at all times.	II.A.2(d)(vi) Vapor Degreasers, Solvent Metal Cleaners

Reqmt. No.	Enforceable Requirement	Requirement Paraphrase (For Information Only)	Monitoring, Maintenance & Recordkeeping Method (See Section II)
EU 1.29	Puget Sound Clean Air Agency Reg III: 3.05(a)(2) & (b)(4) (8/90)	The cleaner must have a cleaned parts draining facility such that the drained solvent returns to the solvent tank.	II.A.2(d)(vi) Vapor Degreasers, and Solvent Metal Cleaners
EU 1.30	Puget Sound Clean Air Agency Reg III: 3.05(a) (4)(A)(i) (8/90)	The cleaner must have a high vapor cutoff thermostat with manual reset required.	II.A.2(d)(vi) Vapor Degreasers, and Solvent Metal Cleaners
EU 1.31	Puget Sound Clean Air Agency Reg III: 3.05(a) (4)(A)(ii) (8/90)	For degreasers with spray devices the degreaser must have a vapor-up thermostat which allows spray operation only after the vapor zone has risen.	II.A.2(d)(vi) Vapor Degreasers, Solvent Metal Cleaners
EU 1.32	Puget Sound Clean Air Agency Reg III: 3.05(b) (1) (8/90)	Solvent shall not leak from any portion of the equipment.	II.A.2(d)(vi) Vapor Degreasers, Solvent Metal Cleaners
EU 1.33	Puget Sound Clean Air Agency Reg III: 3.05(b)(2) (8/90)	Solvent, including waste solvent shall be stored in closed containers and disposed of in such a manner as to prevent evaporation into the atmosphere.	II.A.2(d)(vi) Vapor Degreasers, Solvent Metal Cleaners
EU 1.34	Puget Sound Clean Air Agency Reg III: 3.05(b)(3) (8/90)	For cold cleaners parts shall be drained until dripping ceases.	II.A.2(d)(vi) Vapor Degreasers, Solvent Metal Cleaners
EU 1.35	Puget Sound Clean Air Agency Reg III: 3.05(b)(4) (8/90)	Degreaser construction shall be such that liquid solvent from cleaned parts drains back to solvent tank.	II.A.2(d)(vi) Vapor Degreasers, Solvent Metal Cleaners
EU 1.36	Puget Sound Clean Air Agency Reg III: 3.05(b) (5)(A) (8/90)	Racked parts shall be allowed to fully drain.	II.A.2(d)(vi) Vapor Degreasers, Solvent Metal Cleaners
(d) Requirement Nos. EU 1.37 through EU 1.45 are the Puget Sound Clean Air Agency requirements for solvent metal cleaners and apply to solvent metal cleaner vapor degreasers.			

Reqmt. No.	Enforceable Requirement	Requirement Paraphrase (For Information Only)	Monitoring, Maintenance & Recordkeeping Method (See Section II)
EU 1.37	Puget Sound Clean Air Agency Reg III: 3.05(a) (4)(A)(I) (8/90)	The cleaner must have a high vapor cutoff thermostat with manual reset required.	II.A.2(d)(vi) Vapor Degreasers, Solvent Metal Cleaners
EU 1.38	Puget Sound Clean Air Agency Reg III: 3.05(a) (4)(A)(ii) (8/90)	For degreasers with spray devices the degreaser must have a vapor-up thermostat which allows spray operation only after the vapor zone has risen.	II.A.2(d)(vi) Vapor Degreasers, Solvent Metal Cleaners
EU 1.39	Puget Sound Clean Air Agency Reg III: 3.05(b) (5)(B) (8/90)	Parts must be degreased in vapor zone until condensation ceases.	II.A.2(d)(vi) Vapor Degreasers, Solvent Metal Cleaners
EU 1.40	Puget Sound Clean Air Agency Reg III: 3.05(b) (5)(D) (8/90)	If using powered hoist, vertical speed of parts moved in and out of vapor zone must be less than 10 feet per minute.	II.A.2(d)(vi) Vapor Degreasers, Solvent Metal Cleaners
EU 1.41	Puget Sound Clean Air Agency Reg III: 3.05(b) (5)(E) (8/90)	For open-top vapor degreaser the lip of the degreaser shall not be exposed to drafts greater than 50 feet per minute when cover is open.	II.A.2(d)(vi) Vapor Degreasers, Solvent Metal Cleaners
EU 1.42	Puget Sound Clean Air Agency Reg III: 3.05(c) (1) (8/90)	PSNS shall conduct an analysis of available alternative technologies.	II.A.2(d)(vi) Vapor Degreasers, Solvent Metal Cleaners
EU 1.43	Puget Sound Clean Air Agency Reg III: 3.05(c) (2)(A) (8/90)	Cover must open horizontally.	II.A.2(d)(vi) Vapor Degreasers, Solvent Metal Cleaners
EU 1.44	Puget Sound Clean Air Agency Reg III: 3.05(c) (2)(B) (8/90)	Freeboard ratio must be greater than or equal to 1.00.	II.A.2(d)(vi) Vapor Degreasers, Solvent Metal Cleaners

Reqmt. No.	Enforceable Requirement	Requirement Paraphrase (For Information Only)	Monitoring, Maintenance & Recordkeeping Method (See Section II)
EU 1.45	Puget Sound Clean Air Agency Reg III:3.05(c) (2)(C) (8/90) (8/90)	Must employ refrigerated freeboard chiller.	II.A.2(d)(vi) Vapor Degreasers, Solvent Metal Cleaners
(f) Requirement Nos. EU 1.46 is the Order of Approval to Construct Nos. 6558 permit conditions that apply to the trichloroethylene vapor degreaser 71-873-163, located in Bldg. 873.			
EU 1.46	Order of Approval No. 6558 Condition 4 (8/15/96)	<p>Federal regulation 40 CFR 63 Subpart T applies to this emission unit. PSNS shall submit the required notification to EPA Region 10 using forms provided by Puget Sound Clean Air Agency. Other requirements of this condition are:</p> <ul style="list-style-type: none"> — The emissions are limited to 460 pounds per month and 4605 pounds per year of trichloroethylene — PSNS shall track usage of this solvent with a material balance method. The resulting records will be made available for inspection at Puget Sound Clean Air Agency's request. — The monthly and annual usage shall be summarized in an addendum to the Puget Sound Clean Air Agency Annual Emission Report. 	<p>II.A.2(c) Documentation on File</p> <p>II.A.2(i) Vapor Degreaser Emissions Estimate</p>
(g) Requirement Nos. EU 1.47 through EU 1.49 are the Order of Approval Nos. 7624 permit conditions that apply to the n-propyl bromide vapor degreaser 71-873-161A, located in Bldg. 873.			
EU 1.47	Order of Approval No. 7624 Condition 3 (3/12/99)	Only n-propyl bromide (CAS 106-94-5) shall be used as a degreasing solvent in this unit.	II.A.2(c) Documentation on File
EU 1.48	Order of Approval No. 7624 Condition 4 (3/12/99)	Regulation III, Sections 3.05(a) and (b) and WAC 173-460-060(5)(a), (b) and (c) apply to this unit.	NMR
EU 1.49	Order of Approval No. 7624 Condition 5 (3/12/99)	This vapor degreaser shall employ a cover that opens horizontally, a freeboard ratio greater than or equal to 1.00, and a refrigerated freeboard chiller.	II.A.2(d)(vi) Vapor Degreasers, Solvent Metal Cleaners
(h) Requirement Nos. EU 1.50 through EU 1.59 are the Washington Department of Ecology control technology requirements that apply to solvent metal cleaners.			

Reqmt. No.	Enforceable Requirement	Requirement Paraphrase (For Information Only)	Monitoring, Maintenance & Recordkeeping Method (See Section II)
EU 1.50	WAC 173-460-060(5)(a)(i) (8/21/98) (<i>State Only</i>)	Cover always closed except when processing work. Cover closed to maximum extent possible at all times.	II.A.2(d)(vi) Vapor Degreasers, Solvent Metal Cleaners
EU 1.51	WAC 173-460-060(5)(a)(ii) and (b)(iv) (8/21/98) (<i>State Only</i>)	Parts draining facility required. Drained solvent returns to tank.	II.A.2(d)(vi) Vapor Degreasers, Solvent Metal Cleaners
EU 1.52	WAC 173-460-060(5) (a)(iv)(A) (8/21/98) (<i>State Only</i>)	High vapor cutoff thermostat with manual reset required.	II.A.2(d)(vi) Vapor Degreasers, Solvent Metal Cleaners
EU 1.53	WAC 173-460-060(5) (a)(iv)(C) (8/21/98) (<i>State Only</i>)	A freeboard ratio greater than 1.00 or a refrigerated freeboard chiller required.	II.A.2(d)(vi) Vapor Degreasers, Solvent Metal Cleaners
EU 1.54	WAC 173-460-060(5) (b)(i) (8/21/98) (<i>State Only</i>)	Solvent does not leak from any portion of equipment.	II.A.2(d)(vi) Vapor Degreasers, Solvent Metal Cleaners
EU 1.55	WAC 173-460-060(5) (b)(ii) (8/21/98) (<i>State Only</i>)	Solvent stored in closed containers and disposed of to prevent evaporation.	II.A.2(d)(vi) Vapor Degreasers, Solvent Metal Cleaners
EU 1.56	WAC 173-460-060(5) (c)(i) (8/21/98) (<i>State Only</i>)	Racked parts allowed to fully drain.	II.A.2(d)(vi) Vapor Degreasers, Solvent Metal Cleaners
EU 1.57	WAC 173-460-060(5) (c)(ii) (8/21/98) (<i>State Only</i>)	Parts must be degreased in vapor zone until condensation ceases.	II.A.2(d)(vi) Vapor Degreasers, Solvent Metal Cleaners
EU 1.58	WAC 173-460-060(5) (c)(iv) (8/21/98) (<i>State Only</i>)	If using powered hoist, vertical speed of parts moved in and out of vapor zone must be less than 10 feet per minute.	II.A.2(d)(vi) Vapor Degreasers, Solvent Metal Cleaners
EU 1.59	WAC 173-460-060(5) (c)(v) (8/21/98) (<i>State Only</i>)	The lip of the degreaser shall not be exposed to drafts greater than 50 feet per minute when cover open.	II.A.2(d)(vi) Vapor Degreasers, Solvent Metal Cleaners

Reqmt. No.	Enforceable Requirement	Requirement Paraphrase (For Information Only)	Monitoring, Maintenance & Recordkeeping Method (See Section II)
(i) Requirement No. EU 1.60 is the RCW requirement to maintain Order of Approval equipment in good working order.			
EU 1.60	RCW 70.94.152(7) (1996) (State Only)	Maintain equipment that has received an NOC Order of Approval in good working order.	II.A.2(d)(vi) Vapor Degreasers, Solvent Metal Cleaners

NMR = No Monitoring Required -- Monitoring is not required; however, if a noncompliant situation is observed, PSNS shall initiate appropriate corrective action.

INAPPLICABLE REQUIREMENTS:

<u>Requirement</u>	<u>Description and Justification</u>
40 CFR 63.468(a) and (b) (12/14/99)	Obsolete. PSNS has submitted the required initial notification report. Documentation is on file.
40 CFR 63.468(e) (12/14/99)	Obsolete. PSNS has submitted statement of compliance for each cleaning machine. Documentation is on file.
Puget Sound Clean Air Agency Reg III: 3.05(a) (4)(B) (8/90)	Since July 1, 1993 this requirement for a vapor degreaser to have either a freeboard ratio of 0.75, OR a refrigerated freeboard chiller has been replaced by Puget Sound Clean Air Agency Reg III: 3.05(c) which requires a freeboard ratio of 1.00 AND a refrigerated freeboard chiller.

2. Chemical Process Tankline Operations

DESCRIPTION: *This section includes the hard chrome electroplating tanks, chemical process tankline operations, and associated wet scrubbers located in the Building 873 metal preparation facility. The scrubber system #7, currently in use for chrome plating and anodizing operations, utilizes a packed bed scrubber followed by a high density fiber-bed mist eliminator. Packed bed scrubber #3 is also currently approved by Puget Sound Clean Air Agency for chrome plating and anodizing but will most likely not be used for such operations during the term of the Operating Permit. Before the tank line for Packed Bed Scrubber #3 were brought back online for chrome operations, a new Order of Approval, and a new performance test would be required as per Section II.A.2(h), as changes have been made in the tankline and the exhaust ductwork since the last performance test. The other scrubbers are not designed for controlling chromic acid anodizing or plating. The chrome plating operations are regulated as a reconstructed source under the National Emission Standards for Chromium Emissions from Hard and Decorative Chromium Electroplating and Chromium Anodizing Tanks (40 CFR Part 63 Subpart N), otherwise known as the Chrome NESHAP. The use of polyballs or a wetting agent was not necessary to demonstrate compliance with the applicable emission standard of 0.015 mg/dscm during initial source testing required by the Chrome NESHAP. Facility-wide actual hexavalent chromium emissions from the current hard chrome plating operations at PSNS are less than one pound per year.*

Emission Units

<i>Bldg.</i>	<i>Source ID#</i>	<i>Inst. Date</i>	<i>Source Description</i>	<i>Order of Approval</i>
873	71-873-301	10/96	Scrubber #3 for Chrome plating/anodizing	6382
873	71-873-302	10/96	Scrubber #5 for Acid/Alk & Tank Line	6345
873	71-873-303	10/96	Scrubber #6 for Cyanide & Tank Line	6345
873	71-873-304	10/96	Scrubber #7 for Chrome plating	6382
873	71-873-305	10/96	Scrubber #8 for Acid/Alk & Tank Line	6345
873	71-873-306	10/96	Scrubber #9 for Acid/Alk & Tank Line	6345
873	71-873-307	10/96	Scrubber #10 for Acid/Alk & Tank Line	6345

Data in italics are for information only and not enforceable conditions of this permit.

COMPLIANCE REQUIREMENTS:

Reqmt. No.	Enforceable Requirement	Requirement Paraphrase (For Information Only)	Monitoring, Maintenance & Recordkeeping Method (See Section II)	Reference Test Method (See Section IX)
(a) Requirement Nos. EU 2.1 through EU 2.16 are the NESHAP General Provisions (40 CFR 63 Subpart A). Applicability of 40 CFR 63 Subpart A is defined in Table 1 to Subpart N of Part 63. Table 1 supersedes this permit, if an apparent conflict exists. These requirements apply to the chrome electroplating operations in Building 873 for Unit ID No. 71-873-301, and No. 71-873-304.				
EU 2.1	40 CFR 63.1(c)(1), 63.4 (3/16/94)	Must comply with 40 CFR 63 Subpart A and N.	NMR	
EU 2.2	40 CFR 63.5 (3/16/94)	Must comply with preconstruction review requirements if reconstructing source.	NMR	

Reqmt. No.	Enforceable Requirement	Requirement Paraphrase (For Information Only)	Monitoring, Maintenance & Recordkeeping Method (See Section II)	Reference Test Method (See Section IX)
EU 2.3	40 CFR 63.6(b)(2) (3/16/94)	New and reconstructed affected sources that have an initial startup after the effective date of 40 CFR 63 Subpart N must comply with the requirements of Subpart N upon startup.	NMR	
EU 2.4	40 CFR 63.6(f) (3/16/94)	The nonopacity emission standards set forth in 40 CFR 63 shall apply at all times except during periods of startup, shutdown and malfunction as set forth in 40 CFR Subpart A and N.	II.A.2(d)(v) Scrubber for Chromium Electroplating	
EU 2.5	40 CFR 63.7 (10/17/00)	PSNS shall follow the performance testing and notification requirements of 40 CFR 63.7, as applicable, if required to do performance testing.	II.A.2(h) Performance Source Test	EPA Method 306/306A
EU 2.6	40 CFR 63.8(b)(1) (2/12/99)	Monitoring shall be conducted as set forth in Subpart A and N.	II.A.2(d)(v) Scrubber for Chromium Electroplating	
EU 2.7	40 CFR 63.8(f)(1), (f)(3)-(5) (2/12/99)	Shipyards must receive permission from the Puget Sound Clean Air Agency before using an alternative monitoring procedure.	NMR	
EU 2.8	40 CFR 63.9(i) (2/12/99)	Adjustments to time periods or postmark deadlines for submittal and review of required communications may be requested from and approved by the Puget Sound Clean Air Agency.	NMR	
EU 2.9	40 CFR 63.9(j) (2/12/99)	Notification requirements. Any change in the information already provided under 40 CFR 63.9 shall be sent to the Puget Sound Clean Air Agency within 15 days after the change.	NMR	
EU 2.10	40 CFR 63.10(a)(3)-(7) (2/12/99)	PSNS must send the reports according to 40 CFR 63.10(a)(3)-(7) and can request alternate reporting dates.	NMR	
EU 2.11	40 CFR 63.10(b)(1) (2/12/99)	PSNS shall retain records for five years. At a minimum, the most recent two years of data shall be retained on site. The remaining three years of data may be retained off site.	II.A.2(c) Documentation on File	
EU 2.12	40 CFR 63.10(d)(1) (2/12/99)	PSNS shall submit reports in accordance with 40 CFR 63 Subpart N.	II.A.2(c) Documentation on File	
EU 2.13	40 CFR 63.10(f) (2/12/99)	PSNS must comply with the recordkeeping and reporting requirements in 40 CFR 63.10, unless Puget Sound Clean Air Agency grants a waiver.	NMR	

Reqmt. No.	Enforceable Requirement	Requirement Paraphrase (For Information Only)	Monitoring, Maintenance & Recordkeeping Method (See Section II)	Reference Test Method (See Section IX)
(b) Requirement Nos. EU 2.17 through EU 2.42 are the Hard and Decorative Chromium Electroplating and Chromium Anodizing Tanks NESHAP requirements. These requirements apply to the chrome electroplating operations in Building 873.				
EU 2.14	63.340(b) (12/14/99)	Shipyards shall comply with all provisions of the NESHAP General Provisions from 40 CFR 63 Subpart A that apply to the chrome electroplating operation in Building 873.	NMR	
EU 2.15	40 CFR 63.340(c) (12/14/99)	Process tanks in Building 873 in which neither chromium electroplating nor chromium anodizing is taking place are not subject to the provisions of 40 CFR Part 63 Subpart N. (Unit ID No. 71-873-302, No. 71-873-303, No. 71-873-305, No. 71-873-306, and No. 71-873-307)	NMR	
EU 2.16	40 CFR 63.340(d) (12/14/99)	Process tanks in which research and laboratory operations are performed are exempt from the provisions of 40 CFR Part 63 Subpart N when such operations are taking place.	NMR	
EU 2.17	40 CFR 63.342(a) (8/11/97)	PSNS shall comply with all the requirements of 40 CFR 63 Subpart N.	NMR	
EU 2.18	40 CFR 63.342(b)(1) (8/11/97)	The emission limitations of 40 CFR 63.342 apply only during tank operation, which includes startup and shutdown. The emission limitations do not apply during periods of malfunction, but the work practice standards required by 40 CFR 63.342(f), [EU 2.22 thru EU 2.28], must be followed during malfunctions.	NMR	
EU 2.19	40 CFR 63.342(b)(2) (8/11/97)	Emission limitations shall be calculated according to 40 CFR 63.344(e)(3) for affected sources that are controlled with add-on air pollution control devices that also control non-affected sources.	II.A.2.(h) Performance Source Test	EPA METHOD 306/306A
EU 2.20	40 CFR 63.342(c)(1)(i) (8/11/97)	During tank operation, total chromium emissions from existing hard chromium electroplating tanks is limited to 0.015 mg/dscm or less in the exhaust gas stream discharged to atmosphere.	II.A.2.(h) Performance Source Test	EPA Method 306/306A
EU 2.21	40 CFR 63.342(d)(1) and (2) (8/11/97)	Standards for decorative chromium electroplating tanks using a chromic acid tank and chromium anodizing tanks. PSNS when operating shall control emissions by either: (1) not allowing emissions to exceed 0.01mg/dscm	II.A.2.(h) Performance Source Test	EPA Method 306/306A

Reqmt. No.	Enforceable Requirement	Requirement Paraphrase (For Information Only)	Monitoring, Maintenance & Recordkeeping Method (See Section II)	Reference Test Method (See Section IX)
		(2) if fume suppressant containing a wetting agent is used , by not allowing the surface tension of bath to exceed 45 dynes per centimeter		
EU 2.22	40 CFR 63.342(f)(1)(i) (8/11/97)	At all times, including periods of startup, shutdown, and malfunction, PSNS shall operate and maintain any affected source, including associated air pollution control devices and monitoring equipment, in a manner consistent with good air pollution control practices, consistent with the Operation and Maintenance Plan required by 40 CFR 63.342(f)(3).	II.A.2(d)(v) Scrubber for Chromium Electroplating	
EU 2.23	40 CFR 63.342(f)(1)(ii) (8/11/97)	PSNS shall correct malfunctions as soon as practicable after their occurrence in accordance with the Operations and Maintenance Plan required by 40 CFR 63.342(f)(3).	II.A.2(d)(v) Scrubber for Chromium Electroplating	
EU 2.24	40 CFR 63.342(f)(1)(iii) (8/11/97)	Operation and maintenance requirements established pursuant to Section 112 of the Act are enforceable independent of emissions limitations or other requirements in relevant standards.	NMR	
EU 2.25	40 CFR 63.342(f)(2)(i) (8/11/97)	Determination of whether acceptable Operation and Maintenance (O & M) procedures are being used will be based on information available to the Administrator, which may include, but is not limited to, monitoring results; review of the O&M plan, procedures, records, and inspection of the source.	NMR	
EU 2.26	40 CFR 63.342(f)(2)(ii) (8/11/97)	<p>The Administrator may require that an owner or operator make changes to the O&M plan if the Administrator finds that the plan:</p> <ul style="list-style-type: none"> (A) Does not address a malfunction that has occurred; (B) Fails to provide for the operation of the source, the air pollution control techniques, or the control system and process monitoring equipment during a malfunction in a manner consistent with good air pollution control practices; or (C) Does not provide adequate procedures for correcting malfunctioning process equipment, air pollution control techniques, or monitoring equipment as quickly as practicable. 		

Reqmt. No.	Enforceable Requirement	Requirement Paraphrase (For Information Only)	Monitoring, Maintenance & Recordkeeping Method (See Section II)	Reference Test Method (See Section IX)
EU 2.27	40 CFR 63.342(f)(3)(i) (8/11/97)	<p>An Operation and Maintenance Plan shall be prepared and implemented no later than the compliance date. The Plan is incorporated by reference into the Title V permit. The Plan must include the following elements as specified in 40 CFR 63.342(f)(3)(i):</p> <p>(A) The Plan shall specify the operation and maintenance criteria for the affected source, the add-on air pollution control device and the process and control system monitoring equipment, and shall include a standardized checklist to document the operations and maintenance of this equipment;</p> <p>(B) For sources using add-on air pollution control device or monitoring equipment to comply with Subpart N, the Plan shall incorporate the following work practice standards for that device or monitoring equipment, as identified in Table 1 of 40 CFR 63.342:</p> <p><u>For packed-bed (PSB) scrubber #3:</u></p> <p>Quarterly visual inspections for proper drainage, no chromic acid buildup on packed bed, no evidence of chemical attack on the structural integrity of the device, back portion of mist eliminator is dry and there is no evidence of breakthrough of chromic acid mist, and ductwork from tank to scrubber has no leaks; add fresh makeup water to the top of the packed bed; and quarterly backflush or rinse pitot tubes with water and check pitot tube ends for damage. Replace pitot tube if cracked or fatigued.</p> <p><u>For Fiber-bed mist eliminator (CMP) scrubber #7</u></p> <p>Quarterly visually inspect fiber-bed unit and prefiltering device to ensure proper drainage, no chromic acid buildup on the pads, and no chemical attack on the structural integrity, no breakthrough of chromic acid mist from the back portion of the mesh pad closest to the fan, no leaks in ductwork from tank(s) to device. And per manufacturer frequency perform washdown of fiber elements.</p> <p>(D) The Plan shall specify procedures to be followed to ensure that equipment or process malfunctions due to poor maintenance or other preventable conditions do not occur; and</p> <p>(E) The Plan shall include a systematic procedure for identifying malfunctions of process equipment,</p>	II.A.2(d)(v) Scrubber for Chromium Electroplating	

Reqmt. No.	Enforceable Requirement	Requirement Paraphrase (For Information Only)	Monitoring, Maintenance & Recordkeeping Method (See Section II)	Reference Test Method (See Section IX)
		add-on air pollution control devices, and process and control system monitoring equipment and for implementing corrective actions to address such malfunctions.		
EU 2.28	40 CFR 63.342(f)(3)(ii) (8/11/97)	If the Operation and Maintenance Plan fails to address or inadequately addresses an event that meets the characteristics of a malfunction event, Shipyard must revise the Operation and Maintenance Plan within 45 days after such an event occurs. The revised plan shall include procedures for operating and maintaining the process equipment, add-on air pollution control device, or monitoring equipment during similar malfunction events, and a program for corrective action for such events.	II.A.2(c) Documentation on File	
EU 2.29	40 CFR 63.342(f)(3)(iv) (8/11/97)	PSNS shall record any actions taken during a malfunction event that are inconsistent with the Operation and Maintenance Plan. Report by phone within 2 working days and in writing within 7 working days after the end of the event.	II.A.2(c) Documentation on File	
EU 2.30	40 CFR 63.342(f)(3)(v) (8/11/97)	PSNS shall keep the written Operation and Maintenance Plan on record and make it available for inspection upon request of the Puget Sound Clean Air Agency for the life of the affected source or until the source is no longer subject to the provisions of Subpart N. If the Operations and Maintenance Plan is revised PSNS shall keep previous (i.e., superseded) versions of the Operation and Maintenance Plan on file, and make available for inspection upon request by the Puget Sound Clean Air Agency, for a period of 5 years after each revision to the Plan.	II.A.2(c) Documentation on File	
EU 2.31	40 CFR 63.342(f)(3)(vi) (8/11/97)	May use applicable standard operating procedure(SOP) manuals, Occupational Safety and Health Administration (OSHA) plans, or other existing plans, provided the alternative plans meet the requirements of 40 CFR 63.342(f)(3).	II.A.2(c) Documentation on File	
EU 2.32	40 CFR 63.342(g) (8/11/97)	The standards in 40 CFR 63.342 concerning chromic acid baths shall not be met by using a reducing agent to change the form of chromium from hexavalent to trivalent.	NMR	
EU 2.33	40.CFR 63.343 (c)(2)(i) and (c)(4)(i)	PSNS shall conduct initial performance tests and determine the outlet chromium concentration and to establish site-specific operating parameters for Scrubber #3 and scrubber #7.	II.A.2(c) Documentation on File	

Reqmt. No.	Enforceable Requirement	Requirement Paraphrase (For Information Only)	Monitoring, Maintenance & Recordkeeping Method (See Section II)	Reference Test Method (See Section IX)
EU 2.34	40 CFR 63.343(c)(2)(ii) (8/11/97)	On and after the date of a performance test PSNS must monitor and record the velocity pressure at the inlet to packed bed scrubbers #3 & 7 once each day that the affected source is operating to control chromium electroplating emissions. The fiber-bed mist eliminator and the upstream control device shall be operated within + or - 1 inch of water column during the most recent performance test using the procedures in 40 CFR 63.344(d)(5). Shipyard must monitor the velocity pressure at the inlet to scrubber #3 and the pressure drop across this system once each day that the affected source is operating.	II.A.2(d)(v) Scrubber for Chromium Electroplating	
EU 2.35	40 CFR 63.343(c)(4)(ii) (8/11/97)	PSNS must monitor and record the velocity pressure at the inlet and the pressure drop across the fiber-bed mist eliminator and the upstream control device for scrubber #7 once each day that the affected source is operating. The fiber-bed mist eliminator and the upstream control device shall be operated within + or - 1 inch of water column during the most recent performance test using the procedures in 40 CFR 63.344(d)(5). Shipyard must monitor the velocity pressure at the inlet to scrubber #3 and the pressure drop across this system once each day that the affected source is operating.	II.A.2(d)(v) Scrubber for Chromium Electroplating	
EU 2.36	40 CFR 63.344(a), (c) (6/3/96)	Performance tests shall be conducted using the test methods and procedures in 40 CFR 63.344 and 40 CFR 63.7.	II.A.2.(h) Performance Source Test	EPA Method 306/306A
EU 2.37	40 CFR 63.344(d)(2) (6/3/96)	<p>All monitoring equipment shall be installed such that representative measurements of emissions or process parameters from the affected source are obtained. For monitoring equipment purchased from a vendor, verification of the operational status of the monitoring equipment shall include execution of the manufacturer's written specifications or recommendations for installation, operations and calibration of the system.</p> <p>(a) Specification for differential pressure measurement devices used to measure velocity pressure shall be in accordance with Section 2.2 of Method 2 (40 CFR Part 60, Appendix A).</p> <p>(b) Specification for differential pressure measurement devices used to measure pressure drop across a control system shall be in accordance with manufacture's accuracy specifications.</p>	II.A.2(c) Documentation on File	EPA Method 2

Reqmt. No.	Enforceable Requirement	Requirement Paraphrase (For Information Only)	Monitoring, Maintenance & Recordkeeping Method (See Section II)	Reference Test Method (See Section IX)
EU 2.38	40 CFR 63.345	Provisions for new and reconstructed source preconstruction review applies to all future sources		
EU 2.39	40 CFR 63.346 (1/25/95)	PSNS shall maintain records required by 40 CFR Part 63 Subpart A and records related to inspection and maintenance of equipment, malfunctions, testing, monitoring, excess emissions, total process operating time, and required notifications for 5 years in accordance with 40 CFR 63.10(b)(1).	II.A.2(c) Documentation on File	
(c) Requirement Nos. EU 2.43 through EU 2.44 are the Puget Sound Clean Air Agency Hard and Decorative Chromium Electroplating and Chromium Anodizing requirements. These requirements only apply to the chrome electroplating operation in Building 873.				
EU 2.40	Puget Sound Clean Air Agency Reg. III: 3.01(c) and (d) (12/9/99)	Electroplating facilities shall be equipped with control equipment that limits chromium emissions to 0.015mg/dscm during hard chromium operation and 0.01mg/dscm during decorative and anodizing operations.	II.A.2.(h) Performance Source Test	EPA Method 306/306A
EU 2.41	Puget Sound Clean Air Agency Reg. III: 3.01(e) (12/9/99)	Chromium electroplating tanks using control equipment to comply with the chromium emission limits in Puget Sound Clean Air Agency Regulation III, Section 3.01 shall be operated in accordance with Order of Approval 6382, issued by the Board of Directors, that specifies operating and maintenance procedures, monitoring, recordkeeping, and reporting requirements consistent with the NESHAP standards in 40 CFR Part 63, Subpart N.	II.A.2(d)(v) Scrubber for Chromium Electroplating II.A.2(c) Documentation on File	
(d) Requirement Nos. EU 2.45 through EU 2.49 are conditions of Order of Approval No. 6382 that apply to the chrome electroplating operation in Building 873.				
EU 2.42	Order of Approval 6382, Condition 4 (4/10/96)	The tanks in the east process area shall not be operated unless chromium emissions are exhausted through scrubber No. 3 that limits chromium emissions to 0.015mg/dscm during hard chromium plating and 0.01mg/dscm during anodizing operations.	II.A.2(c) Documentation on File II.A.2(d)(v) Scrubber for Chromium Electroplating	
EU 2.43	Order of Approval 6382, Condition 5 (4/10/96)	Tanks in the plating area shall not be operated unless exhausted through Scrubber # 7 that limits total chromium emissions to less than 0.015 mg/dscm.	II.A.2(c) Documentation on File II.A.2(d)(v) Scrubber for Chromium Electroplating	
EU 2.44	Order of Approval	PSNS shall have an Operation and Maintenance Plan as described in Puget Sound Clean Air Agency	II.A.2(c) Documentation	

Reqmt. No.	Enforceable Requirement	Requirement Paraphrase (For Information Only)	Monitoring, Maintenance & Recordkeeping Method (See Section II)	Reference Test Method (See Section IX)
	6382, Condition 6 (4/10/96)	<p>Reg. I: 5.05(e) that includes the following:</p> <p>(a) A range of compliant values for pressure drop across the fiber bed mist eliminator and the installed upstream control device as established by performance testing and measured with a permanently installed pressure gauge.</p> <p>(b) The acceptable range of velocity pressure values at inlet to scrubber # 3 as established by performance testing</p> <p>(c) Procedures for routinely inspecting each control device and ductwork to assure there is proper drainage, no excessive chromic acid buildup, no evidence of chemical attack on structural integrity, no breakthrough of chromic acid mist, and no leaks in the system.</p>	<p>on File</p> <p>II.A.2(d)(v) Scrubber for Chromium Electroplating</p> <p>II.B. O&M Plan</p>	
EU 2.45	Order of Approval 6382, Condition 7 (4/10/96)	<p>The following records shall be included in the Scrubber #7 O & M Plan and made available to the Puget Sound Clean Air Agency upon request.</p> <p>(a) Pressure drop readings across the fiber bed mist eliminator and the installed upstream control device (at least once each operating day).</p> <p>(b) Velocity pressure readings at the inlet of scrubber # 3 (at least once each operating day).</p> <p>(c) Inspection and maintenance performed on each control device, ductwork or monitoring equipment including inspection date and results of the inspection at least quarterly.</p> <p>(d) The occurrence, duration, and cause of any malfunction of any control device or monitoring equipment, and the actions taken to correct any malfunction.</p> <p>(e) Identification of each period that any control device operates outside the range of compliant pressure drop values or compliant velocity pressure values and whether a malfunction occurred during that period.</p>	<p>II.A.2(c) Documentation on File,</p> <p>II.A.2(d)(v) Scrubber for Chromium Electroplating</p> <p>II.B. O&M plan</p>	
EU 2.46	Order of Approval 6382, Condition 8 (4/10/96)	<p>A source test to demonstrate compliance with Condition 4 and 5 shall be conducted within 180 days of the startup for each hard chromium plating operation and each anodizing operation. The source test plan shall be submitted to Puget Sound Clean Air Agency 30 days prior to the test. During the test the pressure drop values across the scrubber and the fiber-bed mist eliminator (scrubber #7) and the</p>	<p>II.A.2.(h) Performance Source Test</p>	<p>EPA Method 306/306A</p>

Reqmt. No.	Enforceable Requirement	Requirement Paraphrase (For Information Only)	Monitoring, Maintenance & Recordkeeping Method (See Section II)	Reference Test Method (See Section IX)
		velocity pressure and pressure drop value across the packed bed scrubber (scrubber #3) shall be recorded periodically. The final results shall be submitted within 60 days after test.		
(e) Requirement No. EU 2.50 are conditions of Order of Approval No. 6345 that apply to the non-chromium tankline operations in Building 873. These requirements apply to Unit ID No. 71-873-302, No. 71-873-303, No. 71-873-305, No. 71-873-306, and No. 71-873-307.				
EU 2.47	Order of Approval 6345, Condition 4 (4/5/96)	Vented tanks in the main operating area and tanks used for chemical cleaning shall be vented through a packed bed scrubber and the pressure drop across the scrubber shall be measured with a permanently installed gauge. Flow meters measuring liquid injection rate shall be installed on each scrubber. Pressure drop and minimum flow rate (gallons per minute) shall be clearly marked on or nearby these gauges within 90 days of startup.	II.A.2(d)(iv) Scrubbers for Metal Finishing Tankline	
(f) Requirement No. EU 2.51 is the Puget Sound Clean Air Agency adoption of 40 CFR Part 61 and 63.				
EU 2.48	Puget Sound Clean Air Agency Reg. III: 2:02 (7/13/00) (State/Puget Sound Clean Air Agency enforceable only)	Adopts 40 CFR 63 by reference.	NMR	

NMR = No Monitoring Required -- Monitoring is not required; however, if a noncompliant situation is observed, PSNS shall initiate appropriate corrective action.

INAPPLICABLE REQUIREMENTS:

<u>Requirement</u>	<u>Description and Justification</u>
NC 6382, Condition 8 (dated 4/10/96)	Building 873 Metal Treatment Facility Upgrade (subject to Chrome NESHAP, 40 CFR 63 Subpart N), requires a source test within 180 days of startup. Such testing took place. The report is in Agency files, making this one requirement obsolete.

3. Wood Furniture Manufacturing Operations

DESCRIPTION: *This section includes all activities and equipment associated with wood furniture manufacturing operations. The Shipyard uses less than 100 gallons of finishing material and adhesives per month for wood furniture manufacturing. At this level of material usage, the facility meets the criteria for an “incidental wood furniture manufacturer” as defined in 40 CFR 63 Subpart JJ, National Emission Standards for Wood Furniture Manufacturing Operations. Incidental wood furniture manufacturers must only keep purchase or usage records are not subject to any other provision of Subpart JJ.*

For State Only requirements applicable to spray permits of furniture finishes occur refer to the “Surface Coating and Associated Operations”

Emission Units

Current wood furniture manufacturing locations include:

*Building 851-wood furniture production and wood gluing areas.
Building 457- varnish room*

Data in italics are for information only and not enforceable conditions of this permit.

COMPLIANCE REQUIREMENTS:

Reqmt. No.	Enforceable Requirement	Requirement Paraphrase (For Information Only)	Monitoring, Maintenance & Recordkeeping Method (See Section II)	Reference Test Method (See Section VIII)
(a) Requirement Nos. EU 3.1				
EU 3.1	40 CFR 63.800(a)	<p>The owner or operator (PSNS) that meets the criteria for an incidental wood furniture manufacturer shall keep purchase or usage records demonstrating the source meets the definition of an incidental manufacturer and shall not be subject to any other provisions of this subpart.</p> <p>Incidental wood furniture manufacturer means a major source that is primarily engaged in the manufacture of products other than wood furniture or wood furniture components and that uses no more than 100 gallons per month of finishing material or adhesives in the manufacture of wood furniture or wood furniture components.[40 CFR63.801]</p>	II.A.2.(c) Documentation on File	

INAPPLICABLE REQUIREMENTS:

Requirement	Description and Justification
40 CFR 63.800(b) through 40 CFR 83.819	40 CFR 63.800(a) states that the source shall not be subject to any other provisions of this subpart.

4. Surface Coating and Associated Operations

DESCRIPTION: *This section includes all activities and equipment associated with surface coating operations. These operations include coating mixing, application, drying, and curing; spray gun and application equipment cleaning; and material and waste handling.*

Cleaning, primer application, and topcoat application operations subject to the Ship Building and Ship Repair (Surface Coating) NESHAP (40 CFR Part 63 Subpart II) are included in this section.

The activities included in this section are conducted throughout the Shipyard. The spray coating units that are included in this section and permitted or otherwise registered with the Puget Sound Clean Air Agency are listed below. For the purpose of defining an “emission unit” in this permit, each piece of equipment listed below is considered a separate emission unit.

Most of the spray coating units listed below are used in ship or ship component coating operations. The units with an asterisk () next to their description are not normally used in ship component coating operations, but may be in the future.*

Emission Units

<i>Source ID#, Shop-Bldg.-ID</i>	<i>Order of Approval No.</i>	<i>Date Installed</i>	<i>Source Description</i>
71-431-121	3957	1992	<i>Dry filter booth, 8000 CFM, 4th floor</i>
71-431-122	6776	1997	<i>Dry filter booth, 20650 CFM, 1st floor</i>
67-431-131	NOC N/R	1967	<i>Dry filter booth, 5th floor, Room 510</i>
67-431-261	NOC N/R	1967	<i>Dry filter booth, 5th floor, Room 516</i>
67-431-263	NOC N/R	1968	<i>Dry filter booth, 4th floor, Room 407</i>
67-431-267	NOC N/R	1968	<i>Dry filter booth, 4th floor, Room 414B</i>
07-448-121	4644	1992	<i>Dry filter booth, 30000 CFM *</i>
07-448-121	4644	1992	<i>Dry filter booth, 14000 CFM *</i>
71-457-121	6757	1997	<i>Dry filter booth, 6370 CFM, 1st floor</i>
71-457-122	NOC N/R	1958	<i>Dry filter booth, 1st floor, varnish room</i>
71-457-123	3957	1992	<i>Dry filter booth, 20000 CFM, 1st floor, screen room</i>
71-457-124	3957	1992	<i>Dry filter booth, 9000 CFM, 1st floor, varnish room *</i>
71-457-125	NOC N/R	1951	<i>Wet booth, 1st floor, teflon room</i>
71-457-126	NOC N/R	1977	<i>Dry filter booth, 2nd floor, sign shop*</i>
71-457-127	NOC N/R	Unknown	<i>Dry filter booth, 3rd floor, apprentice room*</i>
99-462-122	NOC N/R	1989	<i>Dry filter booth</i>
71-851-121	3957	1992	<i>Dry filter booth, 15000 CFM</i>
71-851-121-01	5831	1996	<i>Dry filter booth, 12500 CFM</i>
71-857-121	3957	1992	<i>Dry filter booth, 18400 CFM</i>
71-857-122	NOC N/R	1973	<i>Dry filter booth</i>

<i>Source ID#, Shop-Bldg.-ID</i>	<i>Order of Approval No.</i>	<i>Date Installed</i>	<i>Source Description</i>
<i>71-862-121</i>	<i>3957</i>	<i>1992</i>	<i>Downdraft dry filter booth, 12500 CFM</i>
<i>71-862-125</i>	<i>8240</i>	<i>2000</i>	<i>Dry filter booth, 16000 CFM</i>
<i>71-873-122</i>	<i>3957</i>	<i>1992</i>	<i>Dry filter booth, 20000 CFM</i>
<i>71-DD1-121</i>	<i>NOC N/R</i>	<i>1967</i>	<i>Outdoor spray coating operations, Dry Dock #1</i>
<i>71-DD2-121</i>	<i>NOC N/R</i>	<i>1967</i>	<i>Outdoor spray coating operations, Dry Dock #2</i>
<i>71-DD3-121</i>	<i>NOC N/R</i>	<i>1967</i>	<i>Outdoor spray coating operations, Dry Dock #3</i>
<i>71-DD4-121</i>	<i>NOC N/R</i>	<i>1967</i>	<i>Outdoor spray coating operations, Dry Dock #4</i>
<i>71-DD5-121</i>	<i>NOC N/R</i>	<i>1967</i>	<i>Outdoor spray coating operations, Dry Dock #5</i>
<i>71-DD6-121</i>	<i>NOC N/R</i>	<i>1967</i>	<i>Outdoor spray coating operations, Dry Dock #6</i>

Data in italics are for information only and not enforceable conditions of this permit.

COMPLIANCE REQUIREMENTS:

Reqmt. No.	Enforceable Requirement	Requirement Paraphrase (For Information Only)	Monitoring, Maintenance & Recordkeeping Method (See Section II)	Reference Test Method (See Section VIII)
(a) NESHAP General Provisions				
Requirement Nos. EU 4.1 through EU 4.10 are the NESHAP General Provisions, 40 CFR 63 Subpart A, that apply to sources subject to the Shipbuilding and Ship Repair NESHAP. Applicability of 40 CFR 63 Subpart A is defined in Table 1 to Subpart II of Part 63. Table 1 supersedes this permit if an apparent conflict exists.				
EU 4.1	40 CFR 63.1(c)(1), 63.4 (3/16/94)	Marine coating operations must comply with 40 CFR 63 Subpart A and II.	NMR	
EU 4.2	40 CFR 63.5 (3/16/94)	PSNS shall comply with preconstruction review requirements.	NMR	
EU 4.3	40 CFR 63.6(b)(2) (3/16/94)	New and reconstructed affected sources that have an initial startup after the effective date of 40 CFR 63 Subpart II must comply with the requirements of 40 CFR 63 Subpart II upon startup.	NMR	

Reqmt. No.	Enforceable Requirement	Requirement Paraphrase (For Information Only)	Monitoring, Maintenance & Recordkeeping Method (See Section II)	Reference Test Method (See Section VIII)
EU 4.4	40 CFR 63.9(b)(3)-(b)(5) (2/12/99)	PSNS shall notify the Puget Sound Clean Air Agency according to 40 CFR 63.9(b)(3)-(5), if it constructs or reconstructs a new affected source.	NMR	
EU 4.5	40 CFR 63.9(i) (2/12/99)	Adjustment to time periods or postmark deadlines for submittal and review of required communications may be requested from and approved by the Puget Sound Clean Air Agency.	NMR	
EU 4.6	40 CFR 63.9(j) (2/12/99)	Notification requirements. Any change in information already provided under 40 CFR 63.9 shall be sent to the Puget Sound Clean Air Agency within 15 days.	NMR	
EU 4.7	40 CFR 63.10(a)(3)-(7) (2/12/99)	Must send reports to EPA and the Puget Sound Clean Air Agency according to 40 CFR 63.10(a)(3)-(7) and may request changes to report due dates.	NMR	
EU 4.8	40 CFR 63.10(b)(1) (2/12/99)	PSNS shall retain records for five years. At a minimum, the most recent two years of data shall be retained on site. The remaining three years of data may be off site.	II.A.2(c) Documentation on File	
EU 4.9	40 CFR 63.10(d)(1) (2/12/99)	PSNS shall submit reports in accordance with 40 CFR 63 Subpart II.	NMR	
EU 4.10	40 CFR 63.10(f) (2/12/99)	PSNS must comply with the recordkeeping and reporting requirements in 40 CFR 63.10, unless a waiver is granted by the Puget Sound Clean Air Agency or specified otherwise in Subpart II.	NMR	
(b) Ship NESHAP Applicability & Exemptions				
Requirement Nos. EU 4.11 through EU 4.15 are related to the applicability and exemptions of the Ship Building and Ship Repair (Surface Coating) NESHAP.				
EU 4.11	40 CFR 63.781(a) (12/15/95)	PSNS must comply with Subparts II and A, except as specified in 40 CFR 63.781(b)-(c) and Table 1 of 40 CFR 63, Subpart II.	NMR	
EU 4.12	40 CFR 63.781(b) (12/15/95)	The provisions of Subpart II do not apply to coatings used in volumes less than 52.8 gallons per year, provided the total volume of such "low-usage exempt" coatings does not exceed 264 gallons per year. Records of the volume of each "low-usage exempt" coating applied shall be maintained by PSNS.	II.A.2.(f) Ship NESHAP Coating Monitoring and Recordkeeping	
EU 4.13	40 CFR 63.781(c) (12/15/95)	The Subpart II requirements are not applicable to: coatings applied with hand-held, non-refillable, aerosol containers; or unsaturated polyester resin coatings.	NMR	

Reqmt. No.	Enforceable Requirement	Requirement Paraphrase (For Information Only)	Monitoring, Maintenance & Recordkeeping Method (See Section II)	Reference Test Method (See Section VIII)
EU 4. 14	40 CFR 63.781(d) (12/15/95)	The Subpart A requirements pertaining to startups, shutdowns, and malfunctions do not apply to PSNS unless an add-on control system is used to comply with the emission standards	NMR	
EU 4. 15	40 CFR 63.784(c) (6/18/96)	New and reconstructed affected sources that have an initial startup after the effective date of 40 CFR 63 Subpart II must comply with the requirements of 40 CFR 63 Subpart II upon startup.	NMR	
<p>(c) Ship NESHAP Coating</p> <p>Requirement Nos. EU 4.16 through EU 4.37 are the Shipbuilding and Ship Repair NESHAP requirements related to marine coating operations. The Shipbuilding and Ship Repair NESHAP requirements only apply to materials applied as a thin layer to a substrate, which cure to form a solid film, when used in the building, repair, repainting, converting, or alteration of ships as defined in 40 CFR 63.781(a) and 40 CFR 63.782.</p>				
EU 4. 16	40 CFR 63.783(a) (12/15/95)	PSNS shall not cause or allow the application of any coating to a ship with an as-applied VOHAP content exceeding the applicable limit in Table 2 of Subpart II.	II.A.2.(f) Ship NESHAP Coating Monitoring and Recordkeeping	
EU 4. 17	40 CFR 63.783(b)(1) (12/15/95)	PSNS shall ensure that all handling and transfer of VOHAP-containing materials to and from containers, tanks, vats, drums, and piping systems is conducted in a manner that minimizes spills.	II.A.1.(d) Work Practice Inspection	
EU 4. 18	40 CFR 63.783(b)(2) (12/15/95)	PSNS shall ensure that all containers, tanks, vats, drums, and piping systems are free of cracks, holes, and other defects, and remain closed unless materials are being added or removed from them.	II.A.1.(d) Work Practice Inspection	
EU 4. 19	40 CFR 63.783(c) (12/15/95)	PSNS may apply to Puget Sound Clean Air Agency for permission to use an alternate means of limiting emissions from coating operations. The application must include a comparison of emissions or source test results, proposed monitoring protocol, and details of recordkeeping.	NMR	
EU 4. 20	40 CFR 63.785(a)(1) (12/15/95)	PSNS shall determine the coating category and applicable VOHAP limit for each batch of coating received.	II.A.2(b) VOC Content Monitoring and Recordkeeping Procedure	

Reqmt. No.	Enforceable Requirement	Requirement Paraphrase (For Information Only)	Monitoring, Maintenance & Recordkeeping Method (See Section II)	Reference Test Method (See Section VIII)
EU 4. 21	40 CFR 63.785(a)(2) (12/15/95)	PSNS shall certify the as-supplied VOC content of each batch of coating received unless using any one or combination of the procedures described in 40 CFR 63.785(c)(1) through (c)(4).	II.A.2(b) VOC Content Monitoring and Recordkeeping Procedure	EPA Method 24
EU 4. 22	40 CFR 63.785(b)(1) (12/15/95)	PSNS shall determine and document the compliance procedure(s) used when using any one or combination of the procedures described in 40 CFR 63.785(c)(1) through (c)(4) in lieu of batch testing using EPA Method 24.	II.A.2.(f) Ship NESHAP Coating Monitoring and Recordkeeping	
EU 4.23	40 CFR 63.785(b)(2)	Results of any compliance demonstration using EPA Method 24 shall take precedence over the results using the compliance procedures described in 40 CFR 63.785(c)(1) through (c)(3).	II.A.2.(f) Ship NESHAP Coating Monitoring and Recordkeeping	EPA Method 24
EU 4.24	40 CFR 63.785(b)(3) (12/15/95)	Results of any compliance demonstration conducted using an alternate test method, approved by Puget Sound Clean Air Agency under 40 CFR 63.783(a) to determine VOHAP content, shall take precedence over the results of the compliance procedures described in 40 CFR 63.785(c)(4).	II.A.2.(f) Ship NESHAP Coating Monitoring and Recordkeeping	
EU 4.25	40 CFR 63.785(c)(1) (i)&(ii) (12/15/95)	For coatings to which no thinning solvent (or any other materials except for water) is added PSNS shall certify the as-applied VOC content, and label each container to notify painters that no thinning solvent may be added.	II.A.2(b) VOC Content Monitoring and Recordkeeping Procedure II.A.2.(f) Ship NESHAP Coating Monitoring and Recordkeeping	
EU 4.26	40 CFR 63.785(c)(1) (iii) (12/15/95)	PSNS shall demonstrate compliance for the calendar month when it is determined that the certified VOC content of each coating applied under 63.785(c)(1) is less than the applicable VOHAP limit in Table 2 of Subpart II.	II.A.2.(f) Ship NESHAP Coating Monitoring and Recordkeeping	

Reqmt. No.	Enforceable Requirement	Requirement Paraphrase (For Information Only)	Monitoring, Maintenance & Recordkeeping Method (See Section II)	Reference Test Method (See Section VIII)
EU 4.27	40 CFR 63.785(c)(2)(i) (12/15/95)	For coatings to which thinning solvent is routinely or sometimes added, PSNS shall designate a single thinner prior to initial application of each batch and calculate the maximum allowed thinning ratio using Equations 1 and 2 of 63.785(c)(2).	II.A.2(b) VOC Content Monitoring and Recordkeeping Procedure II.A.2.(f) Ship NESHAP Coating Monitoring and Recordkeeping	
EU 4.28	40 CFR 63.785(c)(2)(ii) (12/15/95)	PSNS shall notify painters of the designated thinner and the maximum allowable thinning ratio for each batch of coating using methods of notification specified in the required implementation plan.	II.A.2.(f) Ship NESHAP Coating Monitoring and Recordkeeping	
EU 4.29	40 CFR 63.785(c)(2)(iii)-(v) (12/15/95)	By the 15 th of each month, for coatings to which thinning solvent is added, PSNS shall determine: the volume of each batch of coating used; the volume of thinner actually used; and the allowable volume of thinner used for that coating during the previous month using Equation 3 of 63.785(c)(2).	II.A.2.(f) Ship NESHAP Coating Monitoring and Recordkeeping	
EU 4.30	40 CFR 63.785(c)(2)(vi) (12/15/95)	PSNS shall demonstrate compliance, for coatings to which thinning solvent is added, when it is determined that the volume of thinner actually used is less than or equal to the total allowable volume of thinner for that coating during the calendar month.	II.A.2.(f) Ship NESHAP Coating Monitoring and Recordkeeping	
EU 4.31	40 CFR 63.785(c)(3)(i)&(ii) (12/15/95)	For groups of coatings to which the same thinning solvent is sometimes or routinely added, PSNS shall designate a single thinner to be added to each coating during the month and “group” coatings according to designated thinner and prior to initial application of each batch calculate the maximum allowable thinning ratios using Equations 1 and 2 of 63.785(c)(2).	II.A.2(b) VOC Content Monitoring and Recordkeeping Procedure II.A.2.(f) Ship NESHAP Coating Monitoring and Recordkeeping	

Reqmt. No.	Enforceable Requirement	Requirement Paraphrase (For Information Only)	Monitoring, Maintenance & Recordkeeping Method (See Section II)	Reference Test Method (See Section VIII)
EU 4.32	40 CFR 63.785(c)(3)(iii) (12/15/95)	PSNS shall notify painters of the designated thinner and the maximum allowable thinning ratios for each batch of coating using methods of notification specified in the required implementation plan.	II.A.2.(f) Ship NESHAP Coating Monitoring and Recordkeeping	
EU 4.33	40 CFR 63.785(c)(3)(iv)-(vi) (12/15/95)	By the 15 th of each month, for groups of coatings to which the same thinning solvent is added, PSNS shall determine: the volume of each batch of the group used; the volume of thinner actually used with the group; and the allowable volume of thinner used for the group during the previous month using Equation 3 of 63.785(c)(2).	II.A.2.(f) Ship NESHAP Coating Monitoring and Recordkeeping	
EU 4.34	40 CFR 63.785(c)(3)(vii) (12/15/95)	PSNS shall demonstrate compliance, for groups of coatings to which the same thinning solvent is added, when it is determined that the volume of thinner actually used is less than or equal to the total allowable volume of thinner for that group of coatings during the calendar month.	II.A.2.(f) Ship NESHAP Coating Monitoring and Recordkeeping	
EU 4.35	40 CFR 63.785(c)(4)(i) (12/15/95)	PSNS shall certify the as-supplied VOHAP content of each batch of coating, using the units of grams VOHAP per liter of coating solids	II.A.2.(f) Ship NESHAP Coating Monitoring and Recordkeeping	
EU 4.36	40 CFR 63.785(c)(4)(ii) (12/15/95)	For coatings to which no thinning solvent is added, PSNS shall follow the compliance demonstration procedure specified in 63.785(c)(1) except that VOHAP content shall be used in lieu of VOC content.	II.A.2.(f) Ship NESHAP Coating Monitoring and Recordkeeping	
EU 4.37	40 CFR 63.785(c)(4)(iii) (12/15/95)	For coatings to which thinning solvent is added, PSNS shall follow the compliance demonstration procedure specified in 63.785(c)(2) or (3) except that VOHAP content shall be used in lieu of VOC and average VOHAP mass content of thinner (g/L) shall be used in lieu of thinner density.	II.A.2.(f) Ship NESHAP Coating Monitoring and Recordkeeping	
EU 4.38	40 CFR 63.785(d) (12/15/95)	A violation revealed through any approved test method shall result in a 1-day violation for enforcement purposes. A violation revealed through the recordkeeping procedures described in paragraphs (c)(1) through (c)(4) of this section shall result in a 30-day violation for enforcement purposes, unless the owner or operator provides sufficient data to demonstrate the specific days during which noncompliant coatings were applied.	NMR	

Reqmt. No.	Enforceable Requirement	Requirement Paraphrase (For Information Only)	Monitoring, Maintenance & Recordkeeping Method (See Section II)	Reference Test Method (See Section VIII)
<p>(d) SHIP NESHAP Coating Recordkeeping</p> <p>Requirement Nos. EU 4.39 through EU 4.45 are the Ship NESHAP recordkeeping requirements related to marine coating operations. These requirements apply only to materials applied as a thin layer to a substrate, which cure to form a solid film, when used in the building, repair, repainting, converting, or alteration of ships as defined in 40 CFR 63.781(a) and 40 CFR 63.782.</p>				
EU 4.39	40 CFR 63.788(a) (12/17/96)	PSNS shall comply with the applicable recordkeeping and reporting requirements of 40 CFR 63.10(a),(b),(d), and (f). If approved pursuant to 40 CFR 63.783(c) for the use of an add-on control device, PSNS shall also comply with the applicable requirements of 40 CFR 63.10(c) and (e).	NMR	
EU 4.40	40 CFR 63.788(b)(2) (12/17/96)	<p>PSNS shall compile the following records on a monthly basis and maintain on file for a minimum of 5 years:</p> <ul style="list-style-type: none"> - All documentation supporting the initial notification; - A copy of the approved implementation plan for PSNS; - The volume of each “low-usage-exempt” coating applied - Identification of the coatings used, their coating category, and applicable VOHAP limit; - Certification of the as-supplied VOC content of each batch of coating; and - A determination of whether containers meet the standards as described in 40 CFR 63.783(b)(2). - The results of any Method 24 or approved VOHAP measurement test conducted on coatings “as-applied”. 	<p>II.A.2(b) VOC Content Monitoring and Recordkeeping Procedure</p> <p>II.A.2.(f) Ship NESHAP Coating Monitoring and Recordkeeping</p>	
EU 4.41	40 CFR 63.788(b)(3) (i) (12/17/96)	<p>For coatings to which thinning solvent (other than water) will not be added, and for which batch testing using EPA Method 24 will not be conducted, PSNS shall compile the following additional records on a monthly basis and maintain on file for a minimum of 5 years:</p> <ul style="list-style-type: none"> - Certification of the “as-applied” VOC content of each batch of coating; and - The volume of each coating applied. 	<p>II.A.2(b) VOC Content Monitoring and Recordkeeping Procedure</p> <p>II.A.2.(f) Ship NESHAP Coating Monitoring and Recordkeeping</p>	

Reqmt. No.	Enforceable Requirement	Requirement Paraphrase (For Information Only)	Monitoring, Maintenance & Recordkeeping Method (See Section II)	Reference Test Method (See Section VIII)
EU 4.42	40 CFR 63.788(b)(3)(ii) (12/17/96)	<p>For coatings to which thinning solvent is added, and for which batch testing using EPA Method 24 will not be conducted, PSNS shall compile the following additional records on a monthly basis and maintain on file for a minimum of 5 years:</p> <ul style="list-style-type: none"> - The density and mass fraction of water and exempt compounds of each thinner and the volume fraction of solids in each batch, including any calculations; - The maximum allowable thinning ratio (or ratios if PSNS complies with the cold weather limits) for each batch of coating, including calculations; - If PSNS chooses to comply with the cold weather limits, the dates and times during which the ambient temperature is less than 40F and the volume used of each batch of coating, as supplied; - The volume used of each batch of coating, as supplied; - The total allowable volume of thinner for each coating, including calculations; and - The actual volume of thinner used for each coating 	<p>II.A.2(b) VOC Content Monitoring and Recordkeeping Procedure</p> <p>II.A.2.(f) Ship NESHAP Coating Monitoring and Recordkeeping</p>	
EU 4.43	40 CFR 63.788(b)(3)(iii) (12/17/96)	<p>For groups of coatings to which the same thinning solvent will be added, and for which batch testing using EPA Method 24 will not be conducted, PSNS shall compile the following additional records on a monthly basis and maintain on file for a minimum of 5 years:</p> <ul style="list-style-type: none"> - The density and mass fraction of water and exempt compounds of each thinner and the volume fraction of solids, including any calculations; - The maximum allowable thinning ratio (or ratios if PSNS complies with the cold weather limits) for each batch of coating, including calculations; - If PSNS chooses to comply with the cold weather limits, the dates and times during which the ambient temperature is less than 40F and the volume used of each batch of coating, as supplied; - Identification of each group of coatings and their designated thinner. - The volume used of each batch of coating in the group, as supplied; - The total allowable volume of thinner for the group, including calculations; and - The actual volume of thinner used for the group. 	<p>II.A.2(b) VOC Content Monitoring and Recordkeeping Procedure</p> <p>II.A.2.(f) Ship NESHAP Coating Monitoring and Recordkeeping</p>	

Reqmt. No.	Enforceable Requirement	Requirement Paraphrase (For Information Only)	Monitoring, Maintenance & Recordkeeping Method (See Section II)	Reference Test Method (See Section VIII)
EU 4.44	40 CFR 63.788(b)(3)(iv) (12/17/96)	<p>For coatings which an alternative EPA approved test method will be used to demonstrate compliance, PSNS shall compile the following additional records on a monthly basis and maintain on file for a minimum of 5 years:</p> <ul style="list-style-type: none"> - Identification of the Puget Sound Clean Air Agency-approved VOHAP test method or certification procedure; - For coatings to which no thinning solvent is added: certification of the as-supplied (and as-applied) VOHAP content of each batch and the volume of each coating applied; - For coatings to which thinning solvent is added: the density and mass fraction of water and exempt compounds of each thinner and the volume fraction of solids in each batch including any calculations, the maximum allowable thinning ratio (or ratios if PSNS complies with the cold weather limits) for each batch of coating including calculations, the dates and times during which the ambient temperature is less than 40F and the volume used of each batch of coating as supplied (if PSNS chooses to comply with the cold weather limits), the volume used of each batch of coating as supplied, the total allowable volume of thinner for each coating including calculations; and the actual volume of thinner used for each coating; and - For groups of coatings to which the same thinning solvent is added: the density and mass fraction of water and exempt compounds of each thinner and the volume fraction of solids including any calculations, the maximum allowable thinning ratio (or ratios if PSNS complies with the cold weather limits) for each batch of coating including calculations, the dates and times during which the ambient temperature is less than 40F and the volume used of each batch of coating as supplied (if PSNS chooses to comply with the cold weather limits), identification of each group of coatings and their designated thinner, the volume used of each batch of coating in the group as supplied, the total allowable volume of thinner for the group including calculations; and the actual volume of thinner used for the group. 	<p>II.A.2(b) VOC Content Monitoring and Recordkeeping Procedure</p> <p>II.A.2.(f) Ship NESHAP Coating Monitoring and Recordkeeping</p>	

Reqmt. No.	Enforceable Requirement	Requirement Paraphrase (For Information Only)	Monitoring, Maintenance & Recordkeeping Method (See Section II)	Reference Test Method (See Section VIII)
EU 4.45	40 CFR 63.788(b)(4) (12/17/96)	<p>If PSNS detects a violation of the standards specified in 40 CFR 63.783, PSNS shall maintain the following records covering the remainder of the reporting period in which the violation(s) occurred:</p> <ul style="list-style-type: none"> - A summary of the number and duration of the deviations during the reporting period, classified by reason, including known causes for which a Federally-approved or promulgated exemption from an emission standard may apply; - Identification of the data availability during the reporting period, including summary of the number and total duration of incidents that the monitoring protocol failed to perform in accordance with the design of the protocol or produced data that did not meet minimum data accuracy and precision requirements, classified by reason; - Identification of compliance status on the last day of the reporting period and whether compliance was continuous or intermittent during the reporting period; and - If PSNS identifies any deviation for which no Federally approved or promulgated exemption applies: all records required that pertain to the periods during which such deviation occurred, the magnitude of each deviation, the reason for each deviation, a description of the corrective action taken for each deviation including action taken to minimize each deviation and action taken to prevent recurrence, and all quality assurance activities performed on any element of the monitoring protocol. 	II.A.2.(f) Ship NESHAP Coating Monitoring and Recordkeeping	
(e) Requirement Nos. EU 4.46 through EU 4.50 are the Order of Approval No. 6757 conditions that apply to the Bldg. 71-457-121 dry filter spray booth.				
EU 4.46	Order of Approval No. 6757, Condition 4 (1/30/97)	PSNS shall install and maintain a gauge to measure the pressure across the spray booth exhaust filters. The acceptable range for the gauge shall be clearly marked on or nearby the gauge.	II.A.2.(d)(i) Spray Booths	
EU 4.47	Order of Approval No. 6757, Condition 5 (1/30/97)	Once during each shift the spray booth is used, PSNS shall log if the pressure drop across the exhaust filters was in the acceptable range.	II.A.2.(d)(i) Spray Booths	
EU 4.48	Order of	If the pressure drop is not within the acceptable range,	II.A.2.(d)(i)	

Reqmt. No.	Enforceable Requirement	Requirement Paraphrase (For Information Only)	Monitoring, Maintenance & Recordkeeping Method (See Section II)	Reference Test Method (See Section VIII)
	Approval No. 6757, Condition 6 (1/30/97)	PSNS shall take corrective action as specified in the facility's O&M plan.	Spray Booths II.B. O&M Plan	
EU 4.49	Order of Approval No. 6757, Condition 7 (1/30/97)	PSNS shall use best management practices in their spray coating operation, including collection of VOC containing materials used for cleanup of equipment to minimize evaporation to the atmosphere, keeping containers used for storage and disposal of VOC containing materials closed except when these containers are being cleaned or when materials are being added, mixed or removed and storing solvent rags and paper for disposal in closed containers.	II.A.1.(d) Work Practice Inspection	
EU 4.50	Order of Approval No. 6757, Condition 8 (1/30/97)	HVLP guns are to be used for all coatings with the exception of military heavy body epoxies.	II.A.2.(d)(i) Spray Booths	
(f) Requirement Nos. EU 4.51 through EU 4.55 are the Order of Approval No. 6776 conditions that apply to the source ID No. 71-431-122 dry filter spray booth in Bldg. 431. Binks Model PFF-16-10-TLH rated at 20,650 CFM.				
EU 4.51	Order of Approval No. 6776, Condition 4 (1/30/97)	PSNS shall install and maintain a gauge to measure the pressure drop across the spray booth exhaust filters. The acceptable range for the gauge shall be clearly marked on or nearby the gauge.	II.A.2.(d)(i) Spray Booths	
EU 4.52	Order of Approval No. 6776, Condition 5 (1/30/97)	Once during each shift that the spray booth is used, PSNS shall log if the pressure drop across the filters was in the acceptable range.	II.A.2.(d)(i) Spray Booths	

Reqmt. No.	Enforceable Requirement	Requirement Paraphrase (For Information Only)	Monitoring, Maintenance & Recordkeeping Method (See Section II)	Reference Test Method (See Section VIII)
EU 4.53	Order of Approval No. 6776, Condition 6 (1/30/97)	If the pressure drop was not within acceptable range, PSNS shall take corrective action as specified in the facility's O&M plan.	II.A.2.(d)(i) Spray Booths II.B O&M Plan	
EU 4.54	Order of Approval No. 6776, Condition 7 (1/30/97)	PSNS shall use best management practices in their spray coating operation, including the collection of VOC containing materials used for cleanup of equipment to minimize the evaporation to the atmosphere, keeping containers closed except when these containers are being cleaned or when materials are being added, mixed or removed and storing solvent rags and paper for disposal in closed containers	II.A.1.(d) Work Practice Inspection	
EU 4.55	Order of Approval No. 6776, Condition 8 (1/30/97)	HVLP guns are to be used for all coatings with the exception of military heavy body epoxies.	II.A.2.(d)(i) Spray Booths	
(g) Requirement Nos. EU 4.56 through EU 4.61 are the Order of Approval No. 8240 conditions that apply to the source ID No. 71-862-125 dry filter spray booth located in Bldg. 862 and rated at 16,000 CFM				
EU 4.56	Order of Approval No. 8240, Condition 3 (8/15/00)	PSNS shall install and maintain a gauge to measure pressure drop across the exhaust filters of this spray coating booth. PSNS shall incorporate the normal operating pressure drop into the Operation and Maintenance Plan and clearly mark that range on or near the pressure drop gauge.	II.A.2.(d)(i) Spray Booths	
EU 4.57	Order of Approval No. 8240, Condition 4 (8/15/00)	This spray booth shall be inspected at least once per day of operation for proper seating of the filters, complete coverage over the exhaust plenum, and pressure drop across the filters. PSNS shall record if the filters were properly seated, if the coverage of the exhaust plenum was complete, and the pressure drop. If improperly seated filters or abnormal pressure drop are observed PSNS shall take corrective action prior to resuming any spray coating activity.	II.A.2.(d)(i) Spray Booths	
EU 4.58	Order of Approval No. 8240, Condition 5 (8/15/00)	Records of all inspections and corrective actions shall be maintained for at least two years and made available to Puget Sound Clean Air Agency personnel upon request.	II.A.2.(d)(i) Spray Booths	
EU 4.59	Order of Approval	PSNS shall use only high volume low pressure spray (HVLP) or air assisted airless equipment in its spray	II.A.2.(d)(i)	

Reqmt. No.	Enforceable Requirement	Requirement Paraphrase (For Information Only)	Monitoring, Maintenance & Recordkeeping Method (See Section II)	Reference Test Method (See Section VIII)
	No. 8240, Condition 6 (8/15/00)	coating operations in this booth.	Spray Booths	
EU 4.60	Order of Approval No. 8240, Condition 7 (8/15/00)	PSNS shall use best management practices in its spray coating operation, including the collection of organic solvent used for cleanup of equipment into normally closed containers to minimize evaporation to the atmosphere, and keeping containers used for the storage and disposal of organic solvent closed except when these containers are being cleaned or when materials are being added.	II.A.1.(d) Work Practice Inspection	
EU 4.61	Order of Approval No. 8240, Condition 8 (8/15/00)	PSNS must comply with the National Emission Standard for Shipbuilding and Ship Repair (Surface Coating) in 40 CFR 63, Subpart II for all objects painted in this spray booth.	II.A.2(b) VOC Content Monitoring and Recordkeeping Procedure II.A.2.(f) Ship NESHAP Coating Monitoring and Recordkeeping II.A.1.(d) Work Practice Inspection	

NMR = No Monitoring Required -- Monitoring is not required; however, if a noncompliant situation is observed, PSNS shall initiate appropriate corrective action.

DESCRIPTION OF REFERENCE TEST METHODS:

EPA Method 24 = Determination of volatile matter content, water content, density, volume solids, and weight solids of surface coatings.

EXEMPTIONS, EXTENSIONS AND DETERMINATIONS GRANTED BY AGENCIES:

<u>Source</u>	<u>Description</u>
1. Puget Sound Clean Air Agency	<p>Exempts the following spray booths from the vertical stack requirement in Regulation I, Section 9.16: Letter dated April 20, 1995, Jay M. Willenberg to R.F. Cipra, Vertical Stack Exemption.</p> <p>Source ID# 71-431-121, Dry filter booth, 8000 CFM, 4th Floor Room 414C</p> <p>Source ID# 67-431-267, Two Dry filter booths, 4th Floor, Room 414B, using a common stack</p> <p>Source ID# 67-431-131, Dry filter booth, 6th Floor Room 607</p>
2. EPA Region X	<p>Exempts PSNS from all recordkeeping and reporting requirements of 40 CFR 63.788(b)(3)(i) as apply to crew painting of Navy ships classified as operational, pursuant to 40 CFR 63.10(f). Letter dated May 11, 1998, D. Hardesty to R. Shipley.</p>

INAPPLICABLE REQUIREMENTS:

<u>Requirement</u>	<u>Description and Justification</u>
40 CFR 63.787 (6/18/96/)	Obsolete. PSNS has submitted the required Implementation Plan. Plan is on file.

5. External Combustion Operations – Stationary and Portable

DESCRIPTION: *This section includes the four steam testing boilers and two associated superheaters located in Building 431, Source ID# 41-431-181-1 through 41-431-181-6. Construction of these two stationary emission units commenced prior to June 9, 1989. The applicability of 40 CFR 60, Subpart Dc, covers boilers for which construction commenced after June 9, 1989. Portable boiler 03-PORT-184 is also included in this section, and has a maximum design input capacity of less than 10 million BTUs per hour. The applicability of 40 CFR 60, Subpart Dc, covers boilers with an input capacity of between 10 and 100 million BTU/hr. Therefore, these boilers are not subject to the Standards of Performance for New Stationary Sources (NSPS) of 40 CFR Part 60.*

For purposes of defining an “emission unit” in this permit, each boiler or combination thereof listed below is considered a separate emission unit.

<i>Source ID# Shop-Bldg.- ID</i>	<i>Order of Approval No.</i>	<i>Date Installed</i>	<i>Source Description</i>
<i>41-431-181</i>	<i>3255</i>	<i>1993</i>	<i>2 Steam test boilers, 37 MMBtu/hr each, with one superheater, natural gas with fuel oil backup East skid in Building 431</i>
<i>41-431-181</i>	<i>3255</i>	<i>1993</i>	<i>2 Steam test boilers, 37 MMBtu/hr each, with one superheater, natural gas with fuel oil backup West skid in Building 431</i>
<i>03-PORT-184</i>	<i>6732</i>	<i>1997</i>	<i>Portable boiler, No. 2 Fuel Oil, 6.3 MMBtu/hr</i>

Data in italics are for information only and not enforceable conditions of this permit.

COMPLIANCE REQUIREMENTS:

Reqmt. No.	Enforceable Requirement	Requirement Paraphrase (For Information Only)	Monitoring, Maintenance & Recordkeeping Method (See Section II)	Reference Test Method (See Section VIII)
EU 5.1	Puget Sound Clean Air Agency Reg. I: 9.08(a) (4/14/94) RCW	It shall be unlawful for any person to cause or allow combustion of oil that exceeds any of the following maximum limits unless allowed by a Puget Sound Clean Air Agency Order of Approval issued under Reg. I: 6.07: <ul style="list-style-type: none"> • Ash 0.1% • Sulfur, used oil 1.0% 	II.A.2.(e) Fuel Oil Sulfur Content Monitoring Plan	Ash ASTM D482-00A, Sulfur ASTM D3120-96, Halogens EPA SW846,

Reqmt. No.	Enforceable Requirement	Requirement Paraphrase (For Information Only)	Monitoring, Maintenance & Recordkeeping Method (See Section II)	Reference Test Method (See Section VIII)
	70.94.610 (1991, State/Puget Sound Clean Air Agency enforceable only)	<ul style="list-style-type: none"> • Sulfur, fuel oil 2.00% • Lead 100 ppm • Arsenic 5 ppm • Cadmium 2 ppm • Chromium 10 ppm • Total halogens 1,000 ppm • PCBs 2 ppm • Flash point 100 °F 		9076, PCB EPA SW846, 8080, Lead EPA 600/4-81-045, 200.7
EU 5.2	Order of Approval No. 3255, Condition 4 (10/18/95)	Each of these boilers may operate up to 500 hours per year on No. 2 fuel oil when used as emergency backup for steam generation.	II.A.2.(c) Documentation on File II.B. O&M plan	
EU 5.3	Order of Approval No. 6732, Condition 4 (4/25/97)	Shall not emit air contaminant that causes greater than 10% opacity at the stack for a period or periods aggregating more than 3 minutes in any 1 hour.	II.A.1.(a) Opacity Monitoring	EPA Method 9A
EU 5.4	Order of Approval No. 6732, Condition 5 (4/25/97)	Shall not exceed 0.2 lb NO _x /MMBtu.	II.B. O&M plan	EPA Method 7E
EU 5.5	Order of Approval No. 6732, Condition 6 (4/25/97)	The fuel oil burned in this boiler meets the following military specification (or more current revision): MIL-F-16884H, Amendment 2	II.A.2.(c) Documentation on File	

NMR = No Monitoring Required -- Monitoring is not required; however, if a noncompliant situation is observed, PSNS shall initiate appropriate corrective action.

DESCRIPTION OF REFERENCE TEST METHODS:

EPA Method 9 = Visual Determination of the Opacity of Emissions from Stationary Sources

6. Rotoclones, Baghouses, Dust Collectors, Abrasive Blasting Operations and other Particulate Control Operations

DESCRIPTION: *This section includes all rotoclones, baghouses, dust collectors, abrasive blasting operations and other equipment, which exhaust to the outside and control particulate emissions from the various activities including carpentry, machining/mechanical cutting of metal or nonmetal parts, thermal process cutting, housecleaning, general vent and abrasive blasting of coated or oxidized surfaces. Surface coatings may include PCB and/or asbestos. For the purpose of defining an emission unit in this permit, each piece of equipment is considered a separate emission unit. (OOA is Order of Approval)*

For purposes of defining an “emission unit” in this permit, item listed below is considered a separate emission unit.

<i>Shop</i>	<i>Bldg</i>	<i>ID</i>	<i>SID</i>	<i>Equipment</i>	<i>Order of Approval No.</i>
350	368	101	01	FAN, VENT WITH BAGHOUSE (PROCESSING)	8135
350	368	102	01	FAN, VENT WITH BAGHOUSE (PROCESSING)	8135
350	368	103	01	FAN, VENT WITH BAGHOUSE (PROCESSING)	8135
350	368	104	01	FAN, VENT WITH BAGHOUSE (PROCESSING)	8135
51	427	141	01	BOOTH, BLAST WITH CYCLONE AND BAGHOUSE (OUTDOOR ABRASIVE BLAST)	N/A
71	431	145	01	BOOTH, BLAST WITH BAGHOUSE (ABRASIVE BLASTING)	5656
67	431	21	00	DUST COLLECTOR (ROUTER)	7781
31	431	144	01	BOOTH, BLAST WITH DUST COLLECTOR (ABRASIVE BLASTING)	N/A
37	452	142A	01	WHEELABRADOR WITH BAGHOUSE AND HEPA (ABRASIVE BLASTING)	5485
11	460	141A	01	MACHINE, BLAST PLATE WITH DUST COLLECTOR (ABRASIVE BLASTING)	5109
26	460	81	02	BLASTER, ABRASIVE	N/A
71	513	141	0	DUST COLLECTOR	7975
71	825	141	01	ROOM, BLASTING WITH BAGHOUSE (ABRASIVE BLASTING)	N/A

<i>Shop</i>	<i>Bldg</i>	<i>ID</i>	<i>SID</i>	<i>Equipment</i>	<i>Order of Approval No.</i>
71	862	141	01	ROOM, BLAST SHOT WITH BAGHOUSE AND BLOWER (SHOT BLAST ROOM)	N/A
71	873	144	01	PLASTIC MEDIA BOOTH WITH DUST COLLECTOR	3087
71	873	142	001A	DUST COLLECTOR – 2 (SHOTBLASTER)	5039
71	873	143	01	BLAST BOOTH WITH BAG HOUSE (ABRASIVE BLASTING)	N/A
11	946	01	001	FILTER, HEPA	5770
71	DD1&2	141		ABRASIVE BLASTING PROCESS	N/A
900	DD1-6	241		CUTTING, MECHANICAL PROCESS	N/A
26	DD3	102		FACILITY, CUTTING, THERMAL WITH 3 DUST COLLECTORS (CUTTING AREA)	6849
71	DD3	141		FACILITY, ABRASIVE BLAST WITH PORTABLE BLAST, RECOVERY AND DUST COLLECTING EQUIPMENT	6350
71	DD3	142		ABRASIVE BLASTING PROCESS	N/A
71	DD4-6	141		ABRASIVE BLASTING PROCESS	N/A
17	PORT	341	0	DUST COLLECTORS	N/A
17	PORT	341	0	DUST COLLECTOR	N/A
PSNS	PORT	341	001	DUST COLLECTOR	7975
PSNS	PORT	341	002	DUST COLLECTOR	7975
PSNS	PORT	341	003	DUST COLLECTOR	7975
PSNS	PORT	341	004	DUST COLLECTOR	7975
PSNS	PORT	341	005	DUST COLLECTOR	7975
PSNS	PORT	341	006	DUST COLLECTOR	7975
PSNS	PORT	342	001	VACUUM RECOVERY UNIT	7975
PSNS	PORT	342	002	VACUUM RECOVERY UNIT	7975
PSNS	PORT	342	003	VACUUM RECOVERY UNIT	7975

<i>Shop</i>	<i>Bldg</i>	<i>ID</i>	<i>SID</i>	<i>Equipment</i>	<i>Order of Approval No.</i>
<i>PSNS</i>	<i>PORT</i>	<i>342</i>	<i>004</i>	<i>VACUUM RECOVERY UNIT</i>	<i>7975</i>
<i>PSNS</i>	<i>PORT</i>	<i>342</i>	<i>005</i>	<i>DUST COLLECTOR</i>	<i>7975</i>
<i>PSNS</i>	<i>PORT</i>	<i>342</i>	<i>006</i>	<i>VACUUM RECOVERY UNIT</i>	<i>7975</i>
<i>PSNS</i>	<i>PORT</i>	<i>342</i>	<i>007</i>	<i>VACUUM RECOVERY UNIT</i>	<i>7975</i>
<i>PSNS</i>	<i>PORT</i>	<i>342</i>	<i>008</i>	<i>VACUUM RECOVERY UNIT</i>	<i>7975</i>
<i>PSNS</i>	<i>PORT</i>	<i>342</i>	<i>009</i>	<i>VACUUM RECOVERY UNIT</i>	<i>7975</i>
<i>PSNS</i>	<i>PORT</i>	<i>342</i>	<i>010</i>	<i>VACUUM RECOVERY UNIT</i>	<i>7975</i>
<i>PSNS</i>	<i>PORT</i>	<i>342</i>	<i>011</i>	<i>VACUUM RECOVERY UNIT</i>	<i>7975</i>
<i>PSNS</i>	<i>PORT</i>	<i>342</i>	<i>012</i>	<i>VACUUM RECOVERY UNIT</i>	<i>7975</i>
<i>PSNS</i>	<i>PORT</i>	<i>342</i>	<i>013</i>	<i>VACUUM RECOVERY UNIT</i>	<i>7975</i>
<i>PSNS</i>	<i>PORT</i>	<i>342</i>	<i>014</i>	<i>VACUUM RECOVERY UNIT</i>	<i>7975</i>
<i>PSNS</i>	<i>PORT</i>	<i>342</i>	<i>015</i>	<i>VACUUM RECOVERY UNIT</i>	<i>7975</i>
<i>PSNS</i>	<i>PORT</i>	<i>342</i>	<i>016</i>	<i>VACUUM RECOVERY UNIT</i>	<i>7975</i>
<i>PSNS</i>	<i>PORT</i>	<i>342</i>	<i>017</i>	<i>VACUUM RECOVERY UNIT</i>	<i>7975</i>
<i>PSNS</i>	<i>PORT</i>	<i>342</i>	<i>018</i>	<i>GRIT RECOVERY UNIT</i>	<i>7975</i>
<i>PSNS</i>	<i>PORT</i>	<i>342</i>	<i>019</i>	<i>GRIT RECOVERY UNIT</i>	<i>7975</i>
<i>PSNS</i>	<i>PORT</i>	<i>342</i>	<i>020</i>	<i>GRIT RECOVERY UNIT</i>	<i>7975</i>
<i>PSNS</i>	<i>PORT</i>	<i>342</i>	<i>021</i>	<i>GRIT RECOVERY UNIT</i>	<i>7975</i>
<i>PSNS</i>	<i>PORT</i>	<i>342</i>	<i>022</i>	<i>GRIT RECOVERY UNIT</i>	<i>7975</i>
<i>PSNS</i>	<i>PORT</i>	<i>342</i>	<i>023</i>	<i>GRIT RECOVERY UNIT</i>	<i>7975</i>
<i>PSNS</i>	<i>PORT</i>	<i>342</i>	<i>024</i>	<i>GRIT RECOVERY UNIT</i>	<i>7975</i>
<i>PSNS</i>	<i>PORT</i>	<i>342</i>	<i>025</i>	<i>GRIT RECOVERY UNIT</i>	<i>7975</i>
<i>PSNS</i>	<i>PORT</i>	<i>342</i>	<i>026</i>	<i>GRIT RECOVERY UNIT</i>	<i>7975</i>
<i>PSNS</i>	<i>PORT</i>	<i>342</i>	<i>027</i>	<i>GRIT RECOVERY UNIT</i>	<i>7975</i>

<i>Shop</i>	<i>Bldg</i>	<i>ID</i>	<i>SID</i>	<i>Equipment</i>	<i>Order of Approval No.</i>
<i>PSNS</i>	<i>PORT</i>	<i>342</i>	<i>029</i>	<i>GRIT RECOVERY UNIT</i>	<i>7975</i>
<i>PSNS</i>	<i>PORT</i>	<i>342</i>	<i>030</i>	<i>GRIT RECOVERY UNIT</i>	<i>7975</i>
<i>PSNS</i>	<i>PORT</i>	<i>342</i>	<i>031</i>	<i>GRIT RECOVERY UNIT</i>	<i>7975</i>
<i>PSNS</i>	<i>PORT</i>	<i>342</i>	<i>032</i>	<i>DUST COLLECTOR</i>	<i>7975</i>
<i>PSNS</i>	<i>PORT</i>	<i>342</i>	<i>033</i>	<i>DUST COLLECTOR</i>	<i>7975</i>
<i>PSNS</i>	<i>PORT</i>	<i>342</i>	<i>034</i>	<i>VACUUM RECOVERY UNIT</i>	<i>7975</i>
<i>PSNS</i>	<i>PORT</i>	<i>342</i>		<i>10- SAFE SYSTEMS ABRASIVE BLASTING AND RECOVERY UNITS</i>	<i>8732</i>
<i>PSNS</i>	<i>PORT</i>	<i>342</i>		<i>LTC VACU-BLAST</i>	<i>8732</i>
<i>PSNS</i>	<i>PORT</i>	<i>342</i>		<i>U.S. FILTER/SCHMIDT VACU-BLAST</i>	<i>8732</i>
<i>PSNS</i>	<i>PORT</i>	<i>342</i>		<i>3 – DUST COLLECTION ENGINEERING DUST COLLECTORS</i>	<i>8732</i>
<i>PSNS</i>	<i>PORT</i>	<i>342</i>		<i>2 – JT SYSTEMS DUST COLLECTORS</i>	<i>8732</i>
<i>PSNS</i>	<i>PORT</i>	<i>342</i>		<i>14 – JT SYSTEMS VACUUMS</i>	<i>8732</i>
<i>PSNS</i>	<i>PORT</i>	<i>342</i>		<i>2 – PAULI & GRIFFIN PLASTIC MEDIA RECOVERY UNITS</i>	<i>8732</i>

Data in italics are for information only and not enforceable conditions of this permit.

COMPLIANCE REQUIREMENTS:

Reqmt. No.	Enforceable Requirement	Requirement Paraphrase (For Information Only)	Monitoring, Maintenance & Recordkeeping Method (See Section II)
General Requirements for Abrasive Blasting Operations			
EU 6.1	WAC 173-460-060(6)(a) (6/18/91) <i>(STATE ONLY)</i>	Abrasive blasting shall be performed inside a booth or hangar designed to capture the blast grit or overspray.	II.A.1(c) Facility wide inspections
EU 6.2	WAC 173-460-060(6)(b) (6/18/91) <i>(STATE ONLY)</i>	Outdoor blasting of structures or items too large to be reasonably handled indoors shall employ control measures such as curtailment during windy periods and enclosure of the area being blasted with tarps.	II.A.1(c) Facility wide inspections

Reqmt. No.	Enforceable Requirement	Requirement Paraphrase (For Information Only)	Monitoring, Maintenance & Recordkeeping Method (See Section II)
EU 6.3	WAC 173-460-060(6)(c) (6/18/91) (STATE ONLY)	Outdoor blasting shall be performed with either steel shot or an abrasive containing less than 1% (by mass) which would pass through a No. 200 sieve.	II.A.2(d)(ii) Cyclones, baghouses and abrasive blast equipment.
EU 6.4	WAC 173-460-060(6)(d) (6/18/91) (STATE ONLY))	All abrasive blasting with sand shall be performed inside a blasting booth or cabinet.	II.A.1(c) Facility wide inspections
Requirements EU 6.5 through EU 6.9 apply to Order of Approval No. 6849, Thermal Process Cutting Facility located at Drydock 3, which consists of an enclosure and three dust collectors.			
EU 6.5	Order of Approval No. 6849, Condition 4 (2/6/97)	PSNS shall install and maintain gauges to measure the pressure drop across the exhaust filters of the dust collectors. Within 90 days after beginning operations, the acceptable ranges for the gauges shall be clearly marked on or nearby the gauges.	II.A.2.(d)(ii) Cyclones, baghouses and abrasive blast equipment. Install D/P II.A.2.(d)(ii) Cyclones, baghouses and abrasive blast equipment. Establish D/P range
Requirements EU 6.5 through EU 6.9 apply to Order of Approval No. 6849, Thermal Process Cutting Facility located at Drydock 3, which consists of an enclosure and three dust collectors.			
EU 6.6	Order of Approval No. 6849, Condition 5 (2/6/97)	Once each week that the dust collectors are used, PSNS shall log if the pressure drops across the exhaust filters were in the acceptable range.	II.A.2.(d)(ii) Cyclones, baghouses and abrasive blast equipment. Install D/P
EU 6.7	Order of Approval No. 6849, Condition 6 (2/6/97)	If the pressure drops are not within the acceptable range, PSNS shall take corrective action as specified in the facility's operations and maintenance plan.	II.A.2.(d)(ii) Cyclones, baghouses and abrasive blast equipment. Install D/P II.B O&M Plan
EU 6.8	Order of Approval No. 6849, Condition 7 (2/6/97)	Particulate emissions from the dust collectors shall not exceed 0.01 gr/dscf as measured by EPA method 5.	II.A.2(d)(iii) Opacity Monitoring
EU 6.9	Order of Approval No. 6849, Condition 8 (2/6/97)	Opacity from the dust collectors shall not exceed 5 % for a period or periods aggregating more than 3 minutes in any one hour.	II.A.2(d)(iii) Opacity Monitoring

Reqmt. No.	Enforceable Requirement	Requirement Paraphrase (For Information Only)	Monitoring, Maintenance & Recordkeeping Method (See Section II)
Requirements EU 6.10 through EU 6.11 apply to Order of Approval No. 7781 CNC Router with Baghouse at building 431.			
EU 6.10	Order of Approval No. 7781, Condition 3 (7/7/99)	PSNS shall install and maintain the gauge to measure the pressure drop across the baghouse exhaust filters. Within 90 days after beginning operations, the acceptable range for the gauge shall be clearly marked on or nearby the gauge.	II.A.2.(d)(ii) Cyclones, baghouses and abrasive blast equipment.
EU 6.11	Order of Approval No. 7781, Condition 4 (7/7/99)	Once during each week the baghouse is used, PSNS shall determine and record if the pressure drop across the exhaust filters is in the acceptable range. If the pressure drop is not within the acceptable range, PSNS shall take corrective action as specified in the facility's operations and maintenance plan.	II.A.2.(d)(ii) Cyclones, baghouses and abrasive blast equipment. II.B O&M Plan
Requirements EU 6.12 through EU 6.15 apply to Order of Approval No. 7975, Portable abrasive blast equipment and associated dust collectors			
EU 6.12	Order of Approval No. 7975, Conditions 3 & 4 (4/18/00)	<p>The portable abrasive blasting and dust collector units may be used throughout PSNS for particulate dust control for grinding, welding, thermal cutting, thermal metals spray coating, and during coating removal projects. These units may also be used to provide safety ventilation for enclosed spaces, portable enclosures, and shipboard space ventilation. When used to ventilate any space or process that may emit VOCs, the stack shall be rotated to the vertical position. The materials processed or controlled may contain asbestos or PCB contamination.</p> <p>This system is an alternate control measure as per Regulation III, Article 4, Section 4.06(a) for removing asbestos contaminated coatings.</p>	II.A.1(d) Work practice inspections

Reqmt. No.	Enforceable Requirement	Requirement Paraphrase (For Information Only)	Monitoring, Maintenance & Recordkeeping Method (See Section II)
EU 6.13	Order of Approval No. 7975, Condition 5 (4/18/00)	Once used for controlling or removing an asbestos material, the operation of these units and the waste they generate shall continue to be regulated by Puget Sound Clean Air Agency Article 4, and the TSCA regulations, as appropriate, until the units are thoroughly decontaminated. These units will be considered decontaminated of asbestos when a single air clearance sample is tested using the AHERA-PCM method, and the result does not exceed 0.01 fibers per cubic centimeter of air. The unit will be considered decontaminated of PCB when a swipe sample tested with EPA method 8081/94 does not exceed 10 ppm. Each change in contamination status shall be logged. Such logs shall be maintained with each unit for three years and made available for Puget Sound Clean Air Agency review.	II.A.2.(d)(ii) Cyclones, baghouses and abrasive blast equipment.
EU 6.14	Order of Approval No. 7975, Condition 6 (4/18/00)	Recovered steel shot may not be reused if the PCB concentration is greater than 50 ppm or if the asbestos concentration is greater than 1 percent.	II.A.2.(d)(ii) Cyclones, baghouses and abrasive blast equipment.
EU 6.15	Order of Approval No. 7975, Condition 7 (4/18/00)	Within 60 days from this order, Puget Sound Naval Shipyard shall placard each piece of equipment with "Puget Sound Clean Air Agency Order of Approval No. 7975," in order to identify those components as being regulated by this order.	II.A.2.(d)(ii) Cyclones, baghouses and abrasive blast equipment. Control of equipment used for asbestos or PCB
Requirements EU 6.16 through EU 6.22 apply to Order of Approval No. 8135, Building 368 thermal cutting facility.			
EU 6.16	Order of Approval No. 8135, Condition 3 (5/3/02)	Building 368 dust collectors shall not emit visible emissions greater than 5 percent opacity for a period or periods aggregating more than 3 minutes in any one hour, as measured using Washington DOE method 9A.	II.A.2(d)(iii) Opacity Monitoring
EU 6.17	Order of Approval No. 8135 Condition 4 (5/3/02)	Building 368 shall not emit fugitive emissions.	II.A.2(d)(iii) Opacity Monitoring II.A.2.(d)(ii) Cyclones, baghouses and abrasive blast equipment. Track out

Reqmt. No.	Enforceable Requirement	Requirement Paraphrase (For Information Only)	Monitoring, Maintenance & Recordkeeping Method (See Section II)
EU 6.18	Order of Approval No. 8135 Condition 5 (5/3/02)	PSNS shall install and maintain gauges to measure the pressure drop across the dust collector exhaust filters. Within 90 days after beginning operations, the acceptable ranges for the gauges shall be clearly marked on or nearby the gauges.	II.A.2.(d)(ii) Cyclones, baghouses and abrasive blast equipment. Install D/P II.A.2.(d)(ii) Cyclones, baghouses and abrasive blast equipment. Establish D/P range
EU 6.19	Order of Approval No. 8135 Condition 6 (5/3/02)	PSNS shall install and maintain filter cartridge leak detectors for each dust collector, using the specifications in 40 CFR 63.1184.	II.A.2.(d)(ii) Cyclones, baghouses and abrasive blast equipment. Leak detectors
EU 6.20	Order of Approval No.8135 Condition 7 (5/3/02)	PSNS shall perform daily inspections of the pressure drop across the dust collector filters and record if the pressure drop across the exhaust filters is in the acceptable range. If the pressure drop is not within the acceptable range, PSNS shall take corrective action immediately, but not later than within 24 hours, to return the unit to operations within the normal pressure drop range.	II.A.2.(d)(ii) Cyclones, baghouses and abrasive blast equipment. Install D/P II.B Operations and Maintenance plan
EU 6.21	Order of Approval No. 8135 Condition 8 (5/3/02)	A trained observer shall perform daily inspections of the area around building 368, including all emission units, for visible emissions. If visible emissions other than uncombined water are noted during the inspections, PSNS shall immediately, but not later than within 24 hours, take corrective action to eliminate the visible emissions. Such actions shall include but not be limited to identifying and correcting defective or malfunctioning equipment, closing access points to increase net building negative pressure, reducing operations, or shutting down. Dust track out shall be cleaned up immediately, but not later than within 24 hours after discovery.	II.A.2(d)(iii) Opacity Monitoring II.A.2.(d)(ii) Cyclones, baghouses and abrasive blast equipment. Track out

Reqmt. No.	Enforceable Requirement	Requirement Paraphrase (For Information Only)	Monitoring, Maintenance & Recordkeeping Method (See Section II)
EU 6.22	Order of Approval No. 8135 Condition 9 (5/3/02)	<p>PSNS shall keep records of alarms, inspections and corrective actions including:</p> <ul style="list-style-type: none"> a) Date and time of alarm or inspection; b) Stack identification or area of fugitive emissions; c) Operational status/conditions of associated emission units; d) Observed results and conclusions; e) Description of corrective actions taken to resolve any observed emissions; f) Date and time visible emissions were eliminated; and g) Name of person performing the inspection, measurement, or monitoring. 	II.A.2.(d)(ii) Cyclones, baghouses and abrasive blast equipment. Record keeping
Requirements EU 6.23 through EU 6.26 apply to Order of Approval No. 8732, Portable abrasive blast equipment and associated dust collectors			
EU 6.23	Order of Approval No. 8732, Conditions 3 & 4 (1/8/03)	<p>The portable abrasive blasting and dust collector units may be used throughout PSNS for particulate dust control for grinding, welding, thermal cutting, thermal metals spray coating, and during coating removal projects. These units may also be used to provide safety ventilation for enclosed spaces, portable enclosures, and shipboard space ventilation. When used to ventilate any space or process that may emit VOCs, the stack shall be rotated to the vertical position. The materials processed or controlled may contain asbestos or PCB contamination.</p> <p>This system is an alternate control measure as per Regulation III, Article 4, Section 4.06(a) for removing asbestos contaminated coatings.</p>	II.A.1(d) Work practice inspections

Reqmt. No.	Enforceable Requirement	Requirement Paraphrase (For Information Only)	Monitoring, Maintenance & Recordkeeping Method (See Section II)
EU 6.24	Order of Approval No. 8732, Condition 4 (1/8/03)	Once used for controlling or removing an asbestos material, the operation of these units and the waste they generate shall continue to be regulated by Puget Sound Clean Air Agency Article 4, and the TSCA regulations, as appropriate, until the units are thoroughly decontaminated. These units will be considered decontaminated of asbestos when a single air clearance sample is tested using the AHERA-PCM method, and the result does not exceed 0.01 fibers per cubic centimeter of air. The unit will be considered decontaminated of PCB for unrestricted use when compliance with the decontamination standard of 40 CFR 761.79 has been achieved. Each change in contamination status shall be logged. Such logs shall be maintained with each unit for three years and made available for Puget Sound Clean Air Agency review.	II.A.2.(d)(ii) Cyclones, baghouses and abrasive blast equipment.
EU 6.25	Order of Approval No. 8732, Condition 4 (1/8/03)	Recovered steel shot may not be reused if the PCB concentration is greater than 50 ppm or if the asbestos concentration is greater than 1 percent.	II.A.2.(d)(ii) Cyclones, baghouses and abrasive blast equipment.
EU 6.26	Order of Approval No. 8732, Condition 5 (1/8/03)	Within 60 days from this order, Puget Sound Naval Shipyard shall placard each piece of equipment with "Puget Sound Clean Air Agency Order of Approval No. 8732," in order to identify those components as being regulated by this Order.	II.A.2.(d)(ii) Cyclones, baghouses and abrasive blast equipment. Control of equipment used for asbestos or PCB

7. Asbestos Removal Facility Operations

DESCRIPTION:

This section includes all permanent facilities used to conduct asbestos delagging and removal. These facilities are used to facilitate removal of Asbestos Containing Material (ACM) from shipboard components, piping, and machinery. The ACM removal operations are conducted in support of submarine and surface ship dismantlement and recycling workload executed by PSNS. This section of this permit is specific to these permanent facilities and does not cover demolition or renovation activities conducted shipboard or conducted in buildings or structures located at PSNS. For the purpose of defining an emission unit in this permit, each piece of equipment is considered a separate emission unit.

Emission Unit

<i>Bldg.</i>	<i>Source ID#</i>	<i>Inst. Date</i>	<i>Source Description</i>	<i>Order of Approval</i>
<i>N/A</i>	<i>57-DD#3-231</i>	<i>5/92</i>	<i>Asbestos Removal Facility</i>	<i>4443</i>

Data in italics are for information only and are not enforceable conditions of this permit.

COMPLIANCE REQUIREMENTS:

Reqmt. No.	Enforceable Requirement	Requirement Paraphrase (For Information Only)	Monitoring, Maintenance & Recordkeeping Method (See Section II)
EU 7.1	40 CFR 61.145(c)(4) (1/16/91)	After a facility component covered with, coated with, or containing RACM has been taken out of a facility as a unit or in sections and stripped, either the RACM shall be adequately wet while stripping or local exhaust and ventilation shall be used. If used, the local exhaust and ventilation shall be properly designed and operated to capture the particulate asbestos containing material produced by stripping. The local exhaust system must also exhibit no visible emissions to the outside air, or be designed and operated in accordance with 40 CFR 61.152.	II.A.1(d) Work Practice Inspection
EU 7.2	40 CFR 61.145(c)(6)(i) (1/16/91)	All RACM that has been removed or stripped from a component or unit shall be adequately wet and remain wet until collected and contained for disposal.	II.A.1(d) Work Practice Inspection
EU 7.3	40 CFR 61.145(c)(6)(ii) (1/16/91)	All RACM that has been removed or stripped from a component or unit shall be carefully lowered to the ground and floor, not dropping, throwing, sliding, or otherwise damaging or disturbing the material.	II.A.1(d) Work Practice Inspection

Reqmt. No.	Enforceable Requirement	Requirement Paraphrase (For Information Only)	Monitoring, Maintenance & Recordkeeping Method (See Section II)
EU 7.4	40 CFR 61.145(c)(8) (1/16/91)	No RACM shall be stripped, handled, or otherwise removed unless at least one authorized on-site representative is present, who has been trained in the provisions of the Asbestos NESHAP and the means of complying. Every two years the trained on-site individual shall receive refresher training that meets the minimum requirements.	II.A.2(c) Documentation On File
EU 7.5	40 CFR 61.152(b)(2) (11/20/90)	When using air cleaning as specified in 40 CFR 61.145(c)(4)(ii), use a HEPA filter that is certified to be at least 99.97 percent efficient for 0.3 micron particles.	II.A.2(c) Documentation On File
EU 7.6	Puget Sound Clean Air Agency Reg III: 4.05(a) (6/8/95) <i>This requirement will be superseded upon adoption of the 7/13/00 version of Reg III:4.05 into the SIP</i>	It shall be unlawful to cause or allow any work on an asbestos project unless it is performed by persons trained and certified in accordance with the standards established by the EPA and whose certification is current.	II.A.2(c) Documentation On File
EU 7.7	Puget Sound Clean Air Agency Reg III: 4.05(b)(1) (6/8/95) <i>This requirement will be superseded upon adoption of the 7/13/00 version of Reg III:4.05 into the SIP</i>	It shall be unlawful for any person to cause or allow the removal of friable, asbestos-containing material unless conducted in a controlled area, clearly marked by barriers and asbestos warning signs. Access to the controlled area shall be authorized personnel only.	II.A.1(d) Work Practice Inspection

Reqmt. No.	Enforceable Requirement	Requirement Paraphrase (For Information Only)	Monitoring, Maintenance & Recordkeeping Method (See Section II)
EU 7.8	Puget Sound Clean Air Agency Reg III: 4.05(b)(2) (6/8/95) <i>This requirement will be superseded upon adoption of the 7/13/00 version of Reg III:4.05 into the SIP</i>	It shall be unlawful for any person to cause or allow the removal of friable, asbestos-containing material when conducted inside a negative pressure enclosure unless equipped with transparent viewing ports if feasible, and maintained in good working order.	II.A.1(d) Work Practice Inspection
EU 7.9	Puget Sound Clean Air Agency Reg III: 4.05(b)(3) (6/8/95) Puget Sound Clean Air Agency Reg III: 4.05(b)(4) (6/8/95) <i>These requirements will be superseded upon adoption of the 7/13/00 version of Reg III:4.05 into the SIP</i>	It shall be unlawful for any person to cause or allow the removal of absorbent, friable, asbestos-containing material unless saturated with a liquid wetting agent prior to removal. Any such material exposed during removal shall be immediately saturated with a liquid wetting agent. It shall be unlawful for any person to cause or allow the removal of nonabsorbent, friable, asbestos-containing material unless continuously coated with a liquid wetting agent on any exposed surface prior to and during removal. Any dry surfaces of such material exposed during removal shall be immediately coated with a liquid wetting agent.	II.A.1(d) Work Practice Inspection
EU 7.10	Puget Sound Clean Air Agency Reg III: 4.05(b)(5) (6/8/95) <i>This requirement will be superseded upon adoption of the 7/13/00 version of Reg III:4.05 into the SIP</i>	EU 7.9 does not apply to asbestos containing material inside metal components where the asbestos has been separated from the environment through a mechanical means, which cannot be removed by hand.	II.A.1(d) Work Practice Inspection

Reqmt. No.	Enforceable Requirement	Requirement Paraphrase (For Information Only)	Monitoring, Maintenance & Recordkeeping Method (See Section II)
EU 7.11	Puget Sound Clean Air Agency Reg III: 4.05(b)(6) (6/8/95) <i>This requirement will be superseded upon adoption of the 7/13/00 version of Reg III:4.05 into the SIP</i>	Except for surfacing materials, it shall be unlawful for any person to cause or allow friable, asbestos-containing materials from components to be dropped, thrown, slid, or otherwise damaged, and they must be carefully lowered to the ground.	II.A.1(d) Work Practice Inspection
EU 7.12	Puget Sound Clean Air Agency Reg III: 4.05(b)(7) (6/8/95) <i>This requirement will be superseded upon adoption of the 7/13/00 version of Reg III:4.05 into the SIP</i>	It shall be unlawful for any person to cause or allow the removal of friable, asbestos-containing material unless the waste is sealed in leak-tight containers as soon as possible after removal, but no later than the end of each work shift.	II.A.1(d) Work Practice Inspection
EU 7.13	Puget Sound Clean Air Agency Reg III: 4.05(b)(8) (6/8/95) <i>This requirement will be superseded upon adoption of the 7/13/00 version of Reg III: 4.05(b)(9) into the SIP</i>	It shall be unlawful for any person to cause or allow the removal of friable, asbestos-containing material unless the exterior of each leak-tight waste container is free of all asbestos residue and permanently marked with an asbestos warning sign as specified by OSHA.	II.A.1(d) Work Practice Inspection

Reqmt. No.	Enforceable Requirement	Requirement Paraphrase (For Information Only)	Monitoring, Maintenance & Recordkeeping Method (See Section II)
EU 7.14	Puget Sound Clean Air Agency Reg III: 4.05(b)(8) (7/13/00) <i>This requirement is STATE ONLY until adoption of the 7/13/00 version of Reg III:4.05 into the SIP</i>	It shall be unlawful for any person to cause or allow the removal of friable, asbestos-containing material unless all absorbent, friable, asbestos-containing waste material is kept saturated with a liquid wetting agent until sealed in leak-tight containers while saturated with a liquid wetting agent. All nonabsorbent, friable, asbestos-containing material shall be kept coated with a liquid wetting agent until sealed in leak-tight containers while coated with a liquid wetting agent.	II.A.1(d) Work Practice Inspection
EU 7.15	Puget Sound Clean Air Agency Reg III: 4.05(b)(9) (6/8/95) <i>This requirement will be superseded upon adoption of the 7/13/00 version of Reg III: 4.05(b)(10) into the SIP</i>	It shall be unlawful for any person to cause or allow the removal of friable, asbestos-containing material unless each asbestos waste container is marked with the date the waste material is collected for disposal. Each container must also be marked with the Shipyard's name and address. These markings must be readable without opening the waste container.	II.A.1(d) Work Practice Inspection
EU 7.16	Puget Sound Clean Air Agency Reg III: 4.05(b)(10) (6/8/95) <i>This requirement will be superseded upon adoption of the 7/13/00 version of Reg III: 4.05(b)(11) into the SIP</i>	It shall be unlawful for any person to cause or allow the removal of friable, asbestos-containing material unless the leak-tight waste containers used are not dropped, thrown, slid, or otherwise damaged.	II.A.1(d) Work Practice Inspection

Reqmt. No.	Enforceable Requirement	Requirement Paraphrase (For Information Only)	Monitoring, Maintenance & Recordkeeping Method (See Section II)
EU 7.17	Puget Sound Clean Air Agency Reg III: 4.05(b)(11) (6/8/95) <i>This requirement will be superseded upon adoption of the 7/13/00 version of Reg III: 4.05(b)(12) into the SIP</i>	It shall be unlawful for any person to cause or allow the removal of friable, asbestos-containing material unless the asbestos-containing waste is stored in a controlled area until transported to an approved waste disposal site.	II.A.1(d) Work Practice Inspection
EU 7.18	Puget Sound Clean Air Agency Reg III: 4.05(c) (6/8/95) <i>This requirement will be superseded upon adoption of the 7/13/00 version of Reg III:4.05(c) into the SIP</i>	The following asbestos removal methods shall be employed for asbestos-containing roofing material that has been determined to be nonfriable by a Competent Person or an AHERA project Designer: (1) The nonfriable asbestos-containing roofing material shall be removed using methods such as spud bar and knife. Removal methods such as sawing or grinding shall no be employed; (2) Dust control methods shall be used as necessary to assure no fugitive dust is generated from the removal of nonfriable asbestos-containing roofing material; (3) Nonfriable asbestos-containing roofing material shall be carefully lowered to the ground to prevent fugitive dust; (4) After being lowered to the ground, the nonfriable asbestos-containing roofing material shall be immediately transferred to a disposal container; and (5) Each disposal container shall have a sign identifying the material as nonfriable asbestos-containing roofing material.	II.A.2(d) Work Practice Inspection

Reqmt. No.	Enforceable Requirement	Requirement Paraphrase (For Information Only)	Monitoring, Maintenance & Recordkeeping Method (See Section II)
EU 7.19	Puget Sound Clean Air Agency Reg III: 4.05(c) (7/13/00) <i>This requirement is STATE ONLY until adoption of the 7/13/00 version of Reg III: 4.05(c) into the SIP</i>	It shall be unlawful for any person to cause or allow the removal of nonfriable, asbestos-containing material unless all the following requirements are met: (1) Sanding, grinding, abrading, or sawing of nonfriable, asbestos-containing material shall be prohibited unless the material that is disturbed is handled as friable, asbestos-containing material in accordance with the requirements in Section 4.05(b). (2) Appropriate dust control methods as provided in Section 9.15 of Regulation I shall be used, as necessary, to control fugitive dust emissions from the removal of nonfriable, asbestos-containing material; (3) After being removed, the nonfriable, asbestos-containing material shall be promptly transferred to a disposal container; and (4) Each disposal container shall have a sign identifying the material as nonfriable asbestos-containing roofing material.	II.A.2(d) Work Practice Inspection
EU 7.20	Puget Sound Clean Air Agency Reg III: 4.07(a) (6/8/95)	Except for as provided in Puget Sound Clean Air Agency Reg III 4.07(c), it shall be unlawful to cause or allow the disposal of asbestos containing waste material unless it is deposited within 10 days of removal at a waste disposal site authorized to accept such waste.	II.A.1 (c) Documentation On File

Reqmt. No.	Enforceable Requirement	Requirement Paraphrase (For Information Only)	Monitoring, Maintenance & Recordkeeping Method (See Section II)
EU 7.21	Puget Sound Clean Air Agency Reg III: 4.07(b)(1) (6/8/95)	<p>It shall be unlawful for PSNS to cause or allow the disposal of asbestos-containing waste material unless waste shipment records are maintained, beginning prior to transport, using a form that contains the following information:</p> <ul style="list-style-type: none"> a) Name, address, and phone number of PSNS. b) The approximate quantity of waste in cubic meters or yards. c) The name and phone number of the disposal site operator. d) The name and physical site location of the disposal site. e) The date transported f) The name, address, and phone number of the transporter. g) A certification that the contents of the consignment are fully and accurately described by proper shipping name, and are classified, packed, marked, and labeled, and are in all respects in proper condition to transport by highway according to applicable regulations. 	II.A.1 (c) Documentation On File
EU 7.22	Puget Sound Clean Air Agency Reg III: 4.07(b)(2) (6/8/95)	It shall be unlawful for PSNS to cause or allow the disposal of asbestos-containing waste material unless a copy of the waste shipment record is provided to the disposal site at the same time such waste material is delivered.	II.A.1 (c) Documentation On File
EU 7.23	Puget Sound Clean Air Agency Reg III: 4.07(b)(3) (6/8/95)	It shall be unlawful for PSNS to cause or allow the disposal of asbestos-containing waste material unless the transporter and/or disposal site operator is contacted to determine status of the waste when a signed copy of the waste shipment record is not received within 35 days of initial transporter waste acceptance.	II.A.1 (c) Documentation On File

Reqmt. No.	Enforceable Requirement	Requirement Paraphrase (For Information Only)	Monitoring, Maintenance & Recordkeeping Method (See Section II)
EU 7.24	Puget Sound Clean Air Agency Reg III: 4.07(b)(4) (6/8/95)	It shall be unlawful for PSNS to cause or allow the disposal of asbestos-containing waste material unless the Control Officer is reported to in writing when a signed copy of the waste shipment record is not received within 45 days of initial waste acceptance. A copy of the waste shipment record, and a cover letter signed by PSNS explaining the efforts taken to locate the waste shipment and results of those efforts, must be included in the report to the Control Officer.	II.A.1 (c) Documentation On File
EU 7.25	Puget Sound Clean Air Agency Reg III: 4.07(b)(5) (6/8/95)	It shall be unlawful for PSNS to cause or allow the disposal of asbestos-containing waste material unless a copy of all waste shipment records are retained for two years, including copies of the waste shipment records signed by the owner or operator of the designated disposal sites.	II.A.1 (c) Documentation On File

NMR = No Monitoring Required -- Monitoring is not required; however, if a noncompliant situation is observed, PSNS shall initiate appropriate corrective action.

8. Reinforced Plastic Composite Operations

DESCRIPTION: *This section includes all activities associated with polyester, vinylester, gelcoat, and other resin operations in which the styrene monomer is a reactive monomer for the resin. The following work areas in this section have been permitted under a Notice of Construction or have otherwise been registered with the Puget Sound Clean Air Agency. Reinforced composite operations involving other resins, which do not contain styrene, are also conducted in these areas. For the purpose of defining an emission unit in this permit, each work area is considered a separate emission unit.*

Emission Units

<i>Bldg.</i>	<i>Source ID#</i>	<i>Inst. Date</i>	<i>Source Description</i>	<i>Order of Approval</i>
851	64-851-21	N/A	Fiberglassing room area	N/R
862	71-862-121	07/08/91	Dry Filter Spray Booth	3957
851	64-851-121	03/28/95	Lay-up booth	5831
862	71-862-141	09/12/00	Fiberglassing room area	8240
862	71-862-125	09/12/00	Dry Filter Spray Booth	8240

Data in italics are for information only and are not enforceable conditions of this permit.

COMPLIANCE REQUIREMENTS:

Reqmt. No.	Enforceable Requirement	Requirement Paraphrase (For Information Only)	Monitoring, Maintenance & Recordkeeping Method (See Section II)
EU 8.1	Puget Sound Clean Air Agency Regulation II: 3.08(b) (12/9/93)	It shall be unlawful to apply polyester resin, vinylester resin, gelcoat, or any other resin unless the operation is conducted inside an enclosed area that is registered with the Agency. The exhaust shall be vented to the atmosphere through a vertical stack. Spray operations require a dry filter to control overspray.	II.A.2(c) Documentation on File
EU 8.2	Puget Sound Clean Air Agency Regulation II: 3.08(f) (12/9/93)	Closed containers shall be used for storage or disposal of VOC-containing materials. Such containers shall be kept closed except when being cleaned or when materials are being added, mixed, or removed. Closed containers for solvent rag or paper disposal are required.	II.B Operation and Maintenance (O&M) Plan Requirements II.A.1(d) Work Practice Inspection

Reqmt. No.	Enforceable Requirement	Requirement Paraphrase (For Information Only)	Monitoring, Maintenance & Recordkeeping Method (See Section II)
EU 8.3	Puget Sound Clean Air Agency Regulation II: 3.08(c) (12/9/93)	It shall be unlawful to use a chopper gun or spray gun to apply resin unless the coating is applied by the use of one of the following methods: 1. High volume low pressure spray 2. Electrostatic spray 3. Airless spray 4. Air-assisted airless spray	II.A.2(c) Documentation on File
EU 8.4	Puget Sound Clean Air Agency Regulation II: 3.08(e) & (f) (12/9/93)	(e) It shall be unlawful to use VOC containing material for clean-up of spray equipment unless that material is collected in a closed container (f) It shall be unlawful to use open containers for the storage or disposal of VOC containing materials except when adding, mixing or removing materials.	II.B Operation and Maintenance (O&M) Plan Requirements II.A.1(d) Work Practice Inspection
EU 8.5	Order of Approval No. 8240 Conditions 4 (8/15/00)	Spray booth shall be inspected at least once per day of operation and shall record if the filters were seated, if the coverage of the exhaust plenum was complete, and the pressure drop. Corrective action shall be taken prior to resuming spray coating	II.B Operation and Maintenance (O&M) Plan Requirements
EU 8.5	Order of Approval No. 8240 Conditions 5 (8/15/00)	Records of all inspections and corrective actions shall be maintained for at least two years and made available to the Clean Air Agency upon request.	II.B Operation and Maintenance (O&M) Plan Requirements
EU 8.5	Order of Approval No. 8240 Conditions 6 (8/15/00)	PSNS shall use high volume, low pressure spray or air assisted airless equipment in its spray coating operations in this booth.	II.B Operation and Maintenance (O&M) Plan Requirements II.A.1(d) Work Practice Inspection
EU 8.5	Order of Approval No. 8240 Conditions 7 (8/15/00)	PSNS shall use best management practices including collection of solvent for clean-up into closed containers and keeping containers closed except when containers are being used or when materials are being added.	II.B Operation and Maintenance (O&M) Plan Requirements II.A.1(d) Work Practice Inspection
EU 8.5	Order of Approval No. 8240 Conditions 8 (8/15/00)	PSNS must comply with the National Emission Standards for Shipbuilding and Ship Repair (Surface Coating) for all objects painted in this booth.	II.B Operation and Maintenance (O&M) Plan Requirements

INAPPLICABLE REQUIREMENTS:

<u>Requirement</u>	<u>Description and Justification</u>
40 CFR 63 Subpart VVVV	The NESHAP for Boat Manufacturing does not apply to boat repair, only to manufacturers of the hulls and decks of fiberglass boats.

C. OPERATIONS WITHOUT SPECIFIC APPLICABLE REQUIREMENTS

DESCRIPTION: This section contains insignificant emission units as defined in WAC 173-401 and other equipment and activities that do not have specific applicable requirements as listed elsewhere in this permit. Insignificant emission units and activities that are categorically exempt under WAC 173-401-532 are not listed in this section. This section includes:

- Ventilating systems, including fume hoods, not designed to prevent or reduce air contaminant emissions.
- Fuel burning equipment that has a maximum input rate of:
 - (A) less than 0.5 million Btu per hour (0.15 million joules per second) burning waste-derived fuel; or
 - (B) less than 10 million Btu per hour (3 million joules per second) burning natural gas, propane, or butane; or
 - (C) less than 1 million Btu per hour (0.3 million joules per second) burning any other fuel
- Standby internal combustion engines operated <500 hrs per year
- Insecticide, pesticide, or fertilizer spray equipment
- Internal combustion engines less than the size thresholds of the proposed United States Environmental Protection Agency (EPA) New Source Performance Standards (NSPS) 40 CFR Part 60 Subpart FF (Stationary Internal Combustion Engines, 44 CFR 43152 7/23/79) or the promulgated EPA NSPS 40 CFR Part 60 Subpart GG (Stationary Gas Turbines)
- Laboratory equipment used exclusively for chemical or physical analyses
- Laundry dryers without control equipment
- Dryers or ovens used solely to accelerate evaporation
- Routing, turning, carving, cutting, and drilling equipment used for metal, wood, plastics, rubber, leather, or ceramics which does not release air contaminants to the ambient air

- Storage tanks:
 - (A) that do not store substances capable of emitting air contaminants; or
 - (B) with a rated capacity of 1,000 gallons (3,780 liters) or less used for storage of gasoline; or
 - (C) with a rated capacity of less than 10,000 gallons (38,000 liters) used for storage of volatile organic compounds; or
 - (D) with a rated capacity of less than 40,000 gallons (150,000 liters) used for storage of volatile organic compounds with a true vapor pressure less than 0.01 kPa (0.002 psia)
- Sanitary or storm drainage systems
- Welding, brazing, or soldering equipment
- Asphalt roofing and laying equipment (not including manufacturing or storage)
- Restaurants and other retail food-preparing establishments
- Cold solvent cleaners using a solvent with a true vapor pressure less than or equal to 4.2 kPa (0.6 psia)
- Retail printing operations (not including web presses)
- Spray painting or blasting equipment used at a temporary location to clean or paint bridges, water towers, buildings, or similar structures
- Any point source that has been determined through review by the Control Officer not to warrant a “Notice of Construction and Application for Approval,” due to the minimal amount and nature of air contaminants produced and potential to contribute to air pollution, with special reference to effects on health, economic and social factors, and physical effects on property
- Metal forming (pull-out, tube bending, and hydraulic forming press), metal joining or metal separating operations
- Manufacturing research and development, quality control and product testing operations
- Detail part assembly
- Wipe solvent cleaning for non-aerospace parts
- Aqueous and emulsion cleaning
- Non-styrene composite processing
- Groundwater remediation operations
- Accumulation and collection of hazardous waste other than for aerospace parts manufacture

- Material and waste handling, except as listed elsewhere in this permit
- Chemical mixing
- Curing ovens
- Solvent cleaning of non-aerospace or non-motor vehicle parts
- Spray gun cleaning equipment used for non-aerospace or non-motor vehicle parts
- Small industrial vacuum systems that vent outside
- Touch-up spray, hand-held aerosol can spray, of non-aerospace or non-motorized vehicle parts outside of a booth
- Remote reservoir solvent cleaners
- Miscellaneous abrasive blast units not requiring an Order of Approval
- Paint mixing
- Paint mixing room ventilation
- Hand applied alodine
- Boric Sulfuric Acid Anodize systems
- Alodine systems
- Engraving, including laser engraving of aluminum
- Storage tanks not regulated under 40 CFR Part 60 Subpart K, Ka, or Kb

Emission units and activities that are defined as insignificant on the basis of size or production rate in accordance with WAC 173-401-533 are listed below:

Regulatory Citation	Description	IEU Currently Present at PSNS?	
		Yes	No
WAC 173-401-533			
(2)(a)	Operation, loading and unloading of storage tanks and storage vessels, with lids or other appropriate closure and less than two hundred sixty gallon capacity (35 ft ³), heated only to the minimum extent to avoid solidification if necessary.	X	
(2)(b)	Operation, loading and unloading of storage tanks, not greater than one thousand one hundred gallon capacity, with lids or other appropriate closure, not for use with hazardous air pollutants (HAPs), maximum (max.) vp 550mm Hg.	X	
(2)(c)	Operation, loading and unloading of VOC storage tanks (including gasoline storage tanks), ten thousand gallons capacity or less, with lids or other appropriate closure, vp not greater than 80mm Hg at 21°C.	X	
(2)(d)	Operation, loading and unloading storage of butane, propane, or liquefied petroleum gas (LPG), storage tanks, vessel capacity under forty thousand gallons.	X	

Regulatory Citation	Description	IEU Currently Present at PSNS?	
		Yes	No
WAC 173-401-533			
(2)(e)	Combustion source less than five million Btu/hr. exclusively using natural gas, butane, propane and/or LPG.	X	
(2)(f)	Combustion source, less than five hundred thousand Btu/hr., using any commercial fuel containing less than 0.4% by weight sulfur for coal or less than 1% by weight sulfur for other fuels.	X	
(2)(g)	Combustion source, of less than one million Btu/hr. if using kerosene, No. 1 or No. 2 fuel oil.	X	
(2)(h)	Combustion source, not greater than five hundred thousand Btu/hr. if burning used oil and not greater than four hundred thousand Btu/hr. if burning waste wood or waste paper.		X
(2)(i)	Welding using not more than one ton per day of welding rod.	X	
(2)(j)	Foundry sand molds, unheated and using binders with less than 0.25% free phenol by sand weight.		X
(2)(k)	"Parylene" coaters using less than five hundred gallons of coating per year.		X
(2)(l)	Printing and silk-screening, using less than two gallon/day of any combination of the following: Inks, coatings, adhesives, fountain solutions, thinners, retarders, or nonaqueous cleaning solutions.	X	
(2)(m)	Water cooling towers and ponds, not using chromium-based corrosion inhibitors, not used with barometric jets or condensers, not greater than ten thousand gpm, not in direct contact w/ gaseous or liquid process streams containing regulated air pollutants.	X	
(2)(n)	Combustion turbines, of less than 500 HP.		X
(2)(o)	Batch solvent distillation, not greater than fifty-five gallons batch capacity.	X	
(2)(p)	Municipal and industrial water chlorination facilities of not greater than twenty million gallons per day capacity. The exemption does not apply to waste water treatment.		X
(2)(q)	Surface coating, using less than two gallons per day.	X	
(2)(r)	Space heaters and hot water heaters using natural gas, propane or kerosene and generating less than five million Btu/hr.	X	
(2)(s)(i)	Tanks, vessels, and pumping equipment, with lids or other appropriate closure for storage or dispensing of aqueous solutions of inorganic salts, bases and acids excluding 99% or greater H ₂ SO ₄ or H ₃ PO ₄ .	X	
(2)(s)(ii)	Tanks, vessels, and pumping equipment, with lids or other appropriate closure for storage or dispensing of aqueous solutions of inorganic salts, bases and acids excluding 70% or greater HNO ₃ .	X	
(2)(s)(iii)	Tanks, vessels, and pumping equipment, with lids or other appropriate closure for storage or dispensing of aqueous solutions of inorganic salts, bases and acids excluding 30% or greater HCl.	X	
(2)(s)(iv)	Tanks, vessels, and pumping equipment, with lids or other appropriate closure for	X	

Regulatory Citation	Description	IEU Currently Present at PSNS?	
		Yes	No
WAC 173-401-533			
	storage or dispensing of aqueous solutions of inorganic salts, bases and acids excluding more than one liquid phase where the top phase is more than one percent VOCs.		
(2)(t)	Equipment used exclusively to pump, load, unload or store high boiling organic material, material with initial boiling point (IBP) not less than 150°C. or vapor pressure (vp) not more than 5mm Hg at 21°C. with lids or other appropriate closure.	X	
(2)(u)	Smokehouses under twenty square feet.		X
(2)(v)	Milling and grinding activities, using paste-form compounds with less than one percent VOCs.	X	
(2)(w)	Rolling, forging, drawing, stamping, shearing, or spinning hot or cold metals.	X	
(2)(x)	Dip coating operations, using materials with less than one percent VOCs.		X
(2)(y)	Surface coating, aqueous solution or suspension containing less than one percent VOCs.		X
(2)(z)	Cleaning and stripping activities and equipment, using solutions having less than one percent VOCs by weight. On metallic substrates, acid solutions are not considered for listing as insignificant.	X	
(2)(aa)	Storage and handling of water based lubricants for metal working where the organic content of the lubricant is less than ten percent.	X	
(2)(bb)	Municipal and industrial waste water chlorination facilities of not greater than one million gallons per day capacity.		X
(3)(c)	Chemical or physical analytical laboratory operations or equipment including fume hoods and vacuum pumps.	X	

Data in italics are for information only and are not enforceable conditions of this permit.

COMPLIANCE REQUIREMENTS:

No emission unit specific federally enforceable requirements apply other than generally applicable requirements of the state implementation plan. Generally applicable requirements of the state implementation plan are those federally enforceable requirements that apply universally to all emission units or activities without reference to specific types of emission units or activities. General requirements of Section I.A. apply.

INAPPLICABLE REQUIREMENTS:

The following requirements do not apply to paint gun cleaners, cleaners with vapor pressure less than or equal to 0.6 psia, or cleaners used exclusively on non-metal parts.

<u>Requirement</u>	<u>Description and Justification</u>
1) Puget Sound Clean Air Agency Reg. III: 3.05 (8/90)	Solvent metal cleaner rules.
2) WAC 173-460-060(5)(1/94)	Solvent metal cleaner rules.

The following equipment are significant emission units but have no specific applicable requirements:

SHOP	BLDG	SID	EQUIPMENT/PROCESS	ORDER OF APPROVAL
26	107	81	FAN, VENT – 2 GRIND/WELD	N/R
41	107	262	FAN, VENT (CUTTING/GRINDING)	N/R
56	107	03	BLOWER WELD/GRIND	N/R
56	107	243	FAN GRINDING	N/R
56	107	244	FAN GRINDING	N/R
56	107	245	FAN GRINDING	N/R
56	107	301	FAN, FOR BRAZE DIP TANKS	N/R
57	107	262	FAN WITH BAGHOUSE (SAWS /PLANERS/SANDERS)	N/R
57	107	263	FAN WITH BAGHOUSE (SAWS /PLANERS/SANDERS)	N/R
57	107	264	BAGHOUSE (FIBERGLASSING)	N/R
26	289	261	FAN (WELD/GRIND)	N/R
03	290	321	EMERGENCY DIESEL GENERATOR	N/R
51	427	01	ROTOCLONE (SAWS/PLANERS/SANDERS)	N/R
51	427	261	HOODS, MIX POLYETHER PROCESS WITH OVENS FAN AND CYCLONE	N/R
51	427	303	TANK, VARNISH WITH FAN	N/R

SHOP	BLDG	SID	EQUIPMENT/PROCESS	ORDER OF APPROVAL
51	427	41	OVENS - 2	N/R
51	427	45	OVEN, BAKING	N/R
51	427	46	OVEN, BURNOFF	N/R
06	431	01	ROTOCLONE (GRINDING)	3656
06	431	02	ROTOCLONE (GRINDING)	N/R
06	431	03	ROTOCLONE (GRINDING)	N/R
06	431	04	DUST COLLECTOR (GRINDING)	6282
06	431	06	ROTOCLONE (GRINDING)	N/R
71	431	21	SANDING CONTAINMENT WITH HEPA AND PREFILTER (SANDING)	5927
31	431	262	FAN, EXHAUST FOR OVENS (RUBBER)	N/R
31	431	263	FAN, EXHAUST, BELT DRIVE FOR RUBBER MILLS/ROLLERS AND MIXER	N/R
31	431	264	HOOD WITH FAN (RUBBERIZING)	N/R
31	431	63	FURNACE,MELTING	N/R
41	431	321	EMERGENCY DIESEL GENERATOR	N/R
67	431	263	ELECTROPLATING (GOLD PLATE/CYANIDE USE)	N/R
67	431	264	ROTOCLONE (GRIND)	N/R
67	431	265	HOOD, FREON	N/R
67	431	268	OVEN, DRYING	N/R
26	431	83	FAN (WELD/MECH CUTTING PROCESS)	N/R
37	452	01	ROTOCLONE (GRINDING)	N/R
26	455	81	FAN (GRIND/WELD)	N/R
26	455	82	FANS – 2 (GRIND/WELD)	N/R
26	455	83	FAN (GRIND/WELD)	N/R
57	457	03	BAGHOUSE (FIBERGLASS)	N/R

SHOP	BLDG	SID	EQUIPMENT/PROCESS	ORDER OF APPROVAL
71	457	41	OVEN, LARGE	N/R
71	457	42	OVEN	N/R
26	460	06	HOOD,FAN AND FILTER (TUNGSTEN GRIND)	N/R
26	460	81	WATER WASH (PLASMA ARC)	N/R
26	460	82	WATER WASH (PLASMA ARC)	2718
26	460	83	FAN (CUTTING AREA)	N/R
920	460	01	FANS 8 (CUTTING AREA)	N/R
920	460	02	FANS 2 (CUTTING AREA)	N/R
920	460	03	FAN (CUTTING AREA)	N/R
920	460	04	FAN (CUTTING AREA)	N/R
920	460	05	FAN (CUTTING AREA)	N/R
99	462	01	FILTER – HEPA (GRINDING)	N/R
64	851	21	HYDROSTATIC PRECIPITATOR WITH FAN AND SLUDGE TANK (FIBERGLASSING) *	N/R
64	851	22	BAGHOUSE WITH DUST BIN (WOODWORKING SYSTEM)	3146
64	851	23	BAGHOUSE WITH DUST BIN (WOODWORKING SYSTEM)	3562
64	851	24	BAGHOUSE WITH DUST BIN (WOODWORKING SYSTEM)	3562
64	851	26	BOOTH WITH 2 DUST COLLECTORS (GRINDING)	5836
64	851	41	OVEN, CURING	5799
17	857	01	ROTOCLONE (GRINDING)	N/R
17	857	02	ROTOCLONE WITH HOOD (ALUMINUM SANDING ROOM)	N/R
17	857	04	ROTOCLONE (METAL CUTTING SAW)	N/R
17	857	242	ROTOCLONE FOR METAL PREP	N/R
17	857	261	ROTOCLONE FOR OVEN, ETCH AND STRIP TANKS	N/R
17	857	262	ROTOCLONE (POLISHING AND GRINDING)	N/R

SHOP	BLDG	SID	EQUIPMENT/PROCESS	ORDER OF APPROVAL
17	857	42	OVEN, BURN OUT	N/R
17	857	82	FILTER, LASER CUTTING WITH BLOWER	N/R
26	857	83	CUTTING, MECHANICAL PROCESS (20)	N/R
71	857	41	OVEN, BAKING	N/R
02	871	301	SCRUBBER - 2	3556
71	873	01	ROTOCLONE (POLISHING)	N/R
953	880	321	EMERGENCY DIESEL GENERATOR	N/R
57	893	262	DUST COLLECTOR (FIBERGLASSING)	N/R
11	946	01	FILTER, HEPA WITH FAN	5770
90	DD4	321	EMERGENCY DIESEL GENERATOR	N/R
17	T661	241	FILTER, HEPA AND FAN FOR FIRING RANGE	4645

* See “polyester, vinylester, gelcoat and resin operation” section for resin use requirements.

The following equipment is insignificant based on the requirements of WAC 173-401-530 (4) “insignificant emission thresholds”:

SHOP	BLDG	SID	INSIGNIFICANT EMISSION UNITS	ORDER OF APPROVAL
56	107	242	FAN, VENT FOR CUTTING, MECHANICAL PROCESS (2)	N/R
67	290	162	VENT FAN	N/R
51	427	162	VENT, FORCED AIR	N/R
51	427	248	EVAPORATOR, WATER	N/R
51	427	249	EVAPORATOR, WATER	N/R
51	427	305	TANK, VARNISH-3	N/R
06	431	244	EVAPORATOR, WATER	N/R
06	431	245	EVAPORATOR, WATER	N/R
26	431	84	FAN, VENT	N/R
31	431	243	EVAPORATOR, WATER	N/R
31	431	63	BUILDING VENTILATION	N/R
41	431	181	TANK, ACID--HCL	N/R
41	431	321	GENERATOR, DIESEL	N/R
51	431	244	SEPARATOR, SLUDGE	N/R
67	431	265	VENT HOOD/PAINT BOX (AEROSOL CANS OR BRUSH ONLY)	N/R
67	431	266	FAN, VENT	N/R
67	431	266	ROOM, O2 CLEAN	N/R
67	431	281	VENT	N/R
67	431	281	PUMP VACUUM	N/R
90	431	301	OWTS (OILY WATER TREATMENT SYSTEM)	N/R
03	435	321	GENERATOR, DIESEL	N/R
03	445	321	GENERATOR, DIESEL	N/R
37	452	64	FAN, VENT, EXHAUST	N/R
37	452	64	FURNACE	N/R

SHOP	BLDG	SID	INSIGNIFICANT EMISSION UNITS	ORDER OF APPROVAL
37	452	64	FURNACE	N/R
37	452	64	FURNACE	N/R
37	452	64	FURNACE	N/R
37	452	64	FURNACE	N/R
37	452	64	FURNACE	N/R
37	452	64	FURNACE	N/R
37	452	64	FURNACE	N/R
134	453	247	HOOD, LAB	N/R
90	460	61	VENT FOR HOT KNIFE	N/R
90	460	61	HOT KNIFE	N/R
99	462	122	SPRAY BOOTH (AEROSOL CANS OR BRUSH ONLY)	N/R
06	495	241	BOOTH, BLOW DOWN	N/R
03	850	321	GENERATOR, DIESEL	N/R
64	851	61	VENT FAN	N/R
64	851	61	DIP TANKS-WAX-2	N/R
1390	856	241	FAN, VENT	N/R
1390	856	241	BOOTH, DYE PENETRANT	N/R
26	856	81	FAN, VENT	N/R
17	857	263	HOOD, VENT	N/R
17	857	263	TANK, DYE	N/R
17	857	263	TANK , PHOTO	N/R
953	880	321	DIESEL	N/R
03	958	321	GENERATOR, DIESEL	N/R
90	DD1	301	OWTS (OILY WATER TREATMENT SYSTEM)	N/R
90	DD2	301	OWTS (OILY WATER TREATMENT SYSTEM)	N/R
900	DD4	241	CUTTING, MECHANICAL PROCESS_CUTTING, THERMAL	N/R
90	DD5	301	OWTS (OILY WATER TREATMENT SYSTEM)	N/R
900	DD5	241	CUTTING, MECHANICAL PROCESS_CUTTING, THERMAL	N/R

SHOP	BLDG	SID	INSIGNIFICANT EMISSION UNITS	ORDER OF APPROVAL
90	DD6	301	OWTS (OILY WATER TREATMENT SYSTEM)	N/R
900	DD6	241	CUTTING, MECHANICAL PROCESS_CUTTING, THERMAL PROCESS	N/R

The following equipment/processes is insignificant based on WAC 173-401-530(d) “the emission unit or activity generates only fugitive emissions”.

SHOP	BLDG	SID	EQUIPMENT	ORDER OF APPROVAL
100	PSNS	241	CONSTRUCTION & DEMOLITION	N/R
100	PSNS	242	WELDING - NON POINT	N/R
100	PSNS	243	GRINDING/MECH CUTTING - NON POINT	N/R
100	PSNS	244	STREET SWEEPING	N/R
100	PSNS	245	MATERIAL HANDLING	N/R
100	PSNS	246	THERMAL CUTTING - NON POINT	N/R

Data in italics are for information only and are not enforceable conditions of this permit.

COMPLIANCE REQUIREMENTS:

No emission unit specific federally enforceable requirements apply other than generally applicable requirements of the state implementation plan. Generally applicable requirements of the state implementation plan are those federally enforceable requirements that apply universally to all emission units or activities without reference to specific types of emission units or activities. General requirements of Section I.A. apply.

II. MONITORING, MAINTENANCE AND RECORDKEEPING PROCEDURES

A. *Minimum Monitoring and Maintenance Requirements*

PSNS shall follow the applicable requirements listed below when referenced by an applicable requirement from Section I.A or I.B of this permit.

1. Facility-Wide Monitoring

(a) *Opacity Monitoring*

PSNS shall conduct visible emission inspections of the facility at least once per calendar quarter. Inspections are to be performed during daylight hours while the facility is in active operation. (e.g. not on a federal holiday or during a closure period.) If during these quarterly inspections visible emissions (other than uncombined water) are observed from a single unit or activity that last longer than three minutes in an hour PSNS shall, as soon as practicable but within 24 hours of the initial observation, either take corrective action or record the opacity using the reference test method. Corrective action may include shutting down the unit or activity until it can be repaired. Failure to take corrective action as described above must be reported under Section V.M Compliance certifications or V.Q Reporting of this permit.

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

(b) *Complaint Response*

PSNS shall record and commence an investigation of air pollution complaints as soon as practicable, but no later than three days after receipt by PSNS. PSNS shall identify complaints regarding these emissions as follows:

- i. Any emissions that are, or likely to be, injurious to human health, plant or animal life, or property, or which unreasonably interfere with enjoyment of life and property; or
- ii. Any fugitive dust emissions, or
- iii. Any track-out onto paved roads open to the public, or
- iv. Any emissions of odor-bearing air contaminants, or
- v. Complaints regarding other applicable requirements.

PSNS shall investigate the complaint and determine if there was noncompliance with an applicable requirement of this permit. If it is determined to be in noncompliance, PSNS

shall correct the problem as soon as practicable but no later than within 24 hours of determination of noncompliance or shut down the noncompliant operation until it is repaired or corrected. Failure to investigate the complaint as described above or, alternatively, failure to take corrective action within 24 hours or shut down the noncompliant unit or activity will be reported under Section V.M Compliance certifications or V.Q Reporting of this permit.

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

(c) Facility Inspections

PSNS shall conduct a facility inspection at least once per calendar quarter. These inspections will include checking for prohibited activities under Section III of this permit and activities that require additional approval under Section IV of this permit. The inspections will also examine the general state of compliance with the facility-wide applicable requirements and the general effectiveness of the Operation & Maintenance (O&M) Plan.

PSNS shall correct any problems with significant emission units or activities identified by these quarterly inspections, or any other time, as soon as practicable but no later than 24 hours after identification. Alternatively, PSNS may shut down the unit or activity until the problem can be corrected. PSNS shall also promptly repair defective insignificant emission units when it determines that emission standards are exceeded. If PSNS does not take the appropriate action as described above, PSNS shall report the deviation under Section V.M Compliance certifications or V.Q Reporting of this permit.

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

(d) Work Practice Inspection

PSNS shall conduct inspections of work practice activities that are applicable requirements at least once per calendar month for Shipbuilding and Ship Repair NESHAP requirements and at least once per calendar quarter for other applicable requirements. In addition, work practices shall be randomly sampled during the facility-wide inspection (see section II.A.1(c)) and observed for consistency with permit requirements. PSNS shall correct any problems identified by these inspections, or any other time, as soon as practicable but within 24 hours of identification or, alternatively, shut down the unit or activity to which the work practice applies until the problem can be corrected. If PSNS observes problems for which there are no monitoring requirements under an applicable regulation, and corrects that problem within 24 hours, PSNS is not required to report the deviation under Section V.M. Compliance certifications or V.Q Reporting. Examples of such requirements that do not have monitoring requirements include 40 CFR 63.785(c)(1)(ii) *Notify the persons responsible for applying the coating that no thinning solvent may be added to the coating by affixing a label to each container of coating in the batch or through another means*

described in the implementation plan required in 40 CFR 63.787(b). For the purpose of determining compliance with the work practice requirements of 40 CFR 63.783(b)(2) for closed container maintenance, “remain closed unless materials are being added or removed” means closed upon completion of the coating operation, before leaving for a break, or the end of a shift, whichever comes first. Empty containers as defined in WAC 173-303-160 are exempt.

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

(e) Maintenance and Repair of Insignificant Emission Units

PSNS shall use good industrial practices to maintain insignificant emission units. For such equipment, PSNS shall also promptly repair defective equipment. Records under V.O.4 are not required for such equipment, except when such equipment is inspected under II.A.1(c) Facility Inspections and a problem requiring prompt repair is discovered during the inspection.

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

(f) Fugitive Dust, Track-Out, and Odor Bearing Contaminants

PSNS shall conduct inspections of the facility for odor bearing contaminants and emissions of any air contaminant 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 interfere with enjoyment of life and property at least once per calendar quarter. PSNS shall also conduct inspections to monitor for fugitive dust and track-out from the facility at least once per calendar quarter. If a deviation from the applicable requirements identified in this permit is observed during a quarterly inspection PSNS shall implement corrective actions to eliminate the deviation promptly, but no later than within 24 hours of identification, or alternatively, shut down the unit or activity at which the deviation occurs until the deviation can be corrected.

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

2. Specific Monitoring

In this section, if any equipment is not in use during the specified monitoring period, then no monitoring is required for that time period and the absence of monitoring is not a permit deviation.

(a) Approval by the Puget Sound Clean Air Agency, via NOC/Order of Approval

PSNS or its onsite contractors have presented the pertinent information to the Puget Sound Clean Air Agency via a Notice of Construction/Application for Approval (NOC) and the Puget Sound Clean Air Agency has issued an Order of Approval indicating

approval of this operation or activity. PSNS shall remain in compliance with the Order of Approval.

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

(b) VOC Content Monitoring and Recordkeeping Procedure

PSNS shall insure that it and its onsite contractors follow this VOC Content Monitoring and Recordkeeping Procedure for any coatings operations for which the National Emission Standards for Shipbuilding and Ship Repair, 40 CFR Part 63 Subpart II, are applicable unless otherwise exempted.

PSNS shall determine the applicable VOHAP limit and coating category for each coating formulation.

PSNS shall maintain VOC content certifications for each formulation of coating. These certifications will identify the “as supplied” VOC content of each coating based on the results of prior EPA Method 24 analysis. When not using any one or combination of the compliance procedures described on 40 CFR 63.785(c)(1) through (c)(4), PSNS shall certify the VOC content of each batch of coating.

For coatings to which no thinning solvent (other than water) is added when using the compliance procedures of 40 CFR 63.785(c)(1), PSNS shall certify the “as applied” VOC content of each coating formulation.

For coatings to which thinning solvent is added when using the compliance procedures of 40 CFR 63.785(c)(2) and 40 CFR 63.785(c)(3), PSNS shall maintain records of the following data and determine the maximum allowable thinning ratio using the following equation: $R = ((V_s)(\text{VOHAP limit}) - m_{\text{voc}}) / D_{\text{th}}$ where R = Maximum allowable thinning ratio for a given batch (L thinner/L coating); V_s = Volume fraction of solids in the batch as supplied (L solids/L coating); VOHAP limit = Maximum allowable as applied VOHAP content of the coating (g VOHAP/L solids); m_{voc} = VOC content of the coating as supplied (g VOC/L coating); and D_{th} = Density of the thinner (g/L). If the volume fraction of solids, V_s , is not supplied by the coating manufacturer, PSNS shall determine V_s using the following equation: $V_s = 1 - (m_{\text{volatiles}} / D_{\text{avg}})$ where $m_{\text{volatiles}}$ = Total volatiles in the batch, including VOC, water, and exempt compounds (g/L coating); and D_{avg} = Average density of the volatiles in the batch (g/L).

For coatings which compliance is demonstrated using an approved alternative VOHAP test method in accordance with 40 CFR 63.785(c)(4), PSNS shall certify the as supplied VOHAP (g VOHAP/L solids) of each batch of coating.

For coatings to which no thinning solvent (other than water) is added when demonstrating compliance using an approved alternative VOHAP test method in

accordance with 40 CFR 63.785(c)(4), PSNS shall certify the as applied VOHAP content (g VOHAP/L solids) of each batch of coating.

For coatings to which thinning solvent is added when demonstrating compliance using an approved alternative VOHAP test method in accordance with 40 CFR 63.785(c)(4), PSNS shall maintain records of the following data and determine the maximum allowable thinning ratio using the following equation: $R = ((V_s)(\text{VOHAP limit}) - m\text{VOHAP}) / D_{th}(\text{VOHAP})$ where R = Maximum allowable thinning ratio for a given batch (L thinner/L coating); V_s = Volume fraction of solids in the batch as supplied (L solids/L coating); VOHAP limit = Maximum allowable as applied VOHAP content of the coating (g VOHAP/L solids); $m\text{VOHAP}$ = VOHAP content of the coating as supplied (g VOHAP/L coating); and $D_{th}(\text{VOHAP})$ = Average density of the VOHAP thinner(s) (g/L). If the volume fraction of solids, V_s , is not supplied by the coating manufacturer, PSNS shall determine V_s using the following equation: $V_s = 1 - (m_{\text{volatiles}} / D_{\text{avg}})$ where $m_{\text{volatiles}}$ = Total volatiles in the batch, including VOC, water, and exempt compounds (g/L coating); and D_{avg} = Average density of the volatiles in the batch (g/L).

[40 CFR 63.785, 12/15/95]

(c) Documentation on File

PSNS shall maintain its documents, and the documents its contractors generate while on site, in its files for at least five years from the generation date of the record, which demonstrate compliance with the requirement. PSNS shall make copies of the documents available to the Puget Sound Clean Air Agency upon request and subsequent release of the documents following completion of any required national security reviews.

[WAC 173-401-615(1)(b), 10/17/02, WAC 173-401-615(2)(c), 10/17/02]

(d) Equipment Maintenance

PSNS shall, at a minimum, ensure that it, or its onsite contractors, perform all the following maintenance activities at the frequency specified below.

(i) Spray Booths and Other Particulate Control Booths

- For dry booths, PSNS shall check the dry filter systems, where visible, for proper seating and complete coverage over the exhaust plenum. For wet booths, PSNS shall check for a continuous curtain coverage, visible water flow, or adequate water flow meter reading. If the inspection is required by an NOC Order of Approval permit condition, the inspection shall be conducted according to the frequency specified in the Order of Approval. Otherwise, the inspection shall be conducted at least monthly or at time of use if booth is used less frequently than once per month. If filter or curtain coverage is acceptable for all

inspections of a particular booth for a one-year period, the inspection frequency for that booth may be reduced to once per calendar quarter. If coverage is unacceptable during quarterly inspections, monthly inspections will be reinstated. If coverage is unacceptable during any inspection, or at any other time, PSNS shall, as soon as practicable but within 24 hours of the initial observation either; correct filter or curtain coverage or, alternatively, shut down the unit or activity until it can be repaired. Failure to take corrective action as described above or not shutting down the unit or activity will be reported under Section V.M Compliance certifications or V.Q Reporting of this permit.

- Where required by an order of approval permit condition, a pressure drop transmitter or gauge will be installed to measure the pressure drop across the booth's exhaust filters. The acceptable pressure drop range will be marked on or nearby the gauge, for example on an O&M placard. A record that the pressure drop was in the acceptable range will be made according to the frequency specified in the Order of Approval condition or at least once monthly if not specified in the Order of Approval. If the pressure drop is not within the acceptable range, PSNS shall, as soon as practicable but within 24 hours of the initial observation either; correct the pressure drop or, alternatively, shut down the unit or activity until it can be repaired. Failure to take corrective action as described above or not shutting down the unit or activity will be reported under Section V.M Compliance certifications or V.Q Reporting of this permit.

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

(ii) Cyclones, Baghouses, Vacuum Producers, and Abrasive Blast Booths

PSNS shall inspect the cyclones, baghouses and abrasive blast equipment, which exhaust to the outside atmosphere, as described below. PSNS shall inspect each unit at least monthly.

(a) Check for evidence of fugitive emissions from the equipment. If fugitive emissions from the equipment are observed, PSNS shall determine if reasonable precautions are being taken to minimize the emissions. If reasonable precautions are not being taken, PSNS shall correct the problem as soon as practicable but no later than within 24 hours of determination or shut down the operation until it is repaired or corrected. Failure to take corrective action or reasonable precautions as described above or alternatively, not shutting down the unit or activity, is a deviation of this permit and must be reported under Section V.M Compliance certifications or V.Q Reporting of this permit.

(b) Where required by an Order of Approval condition, a pressure drop transmitter or gauge shall be installed to measure the pressure drop across the

booth's exhaust filters. The acceptable pressure drop range shall be marked on, a placard, nearby the gauge, or on a pressure drop log. A record that the pressure drop was in the acceptable range shall be made according to the frequency specified in the Order of Approval condition or at least once per month, when in use, if not specified in the Order of Approval. If the pressure drop is not within the acceptable range, PSNS shall, as soon as practicable but within 24 hours of the initial observation either; correct the pressure drop or alternatively, shut down the unit or activity until it can be repaired. Failure to take corrective action as described above or not shutting down the unit or activity is a deviation of this permit and must be reported under Section V.M Compliance certifications or V.Q Reporting of this permit.

(c) If a pressure differential gauge is required by an Order of Approval condition, then the range shall be established using the manufacturer's recommendations or the low end of the range will be no less than 50 percent of the pressure differential when operating with a clean filter or cyclone and the high end shall be a value based on the operational experience and will be a value below that at which the filters or bags would reasonably be expected to fail.

(d) When required by an Order of Approval condition, equipment authorized to emit VOCs will be placarded with the requirement for the stacks to be rotated to the vertical position when emitting VOCs.

(e) When allowed by an Order of Approval condition, equipment may be used as an alternate control method for removing asbestos coatings. Once used for controlling or removing an asbestos material, the operation of these units and the waste they generate shall continue to be regulated by Puget Sound Clean Air Agency Article 4 of Regulation III and the Toxic Substances Control Act (TSCA) regulations, as appropriate, until the units are thoroughly decontaminated. These units will be considered decontaminated of asbestos when a single air clearance sample is tested using AHERA-PCM method, and the result does not exceed 0.01 fibers per cubic centimeter of air. The unit will be considered decontaminated of PCBs for unrestricted use when compliance with the decontamination standard in 40 CFR 761.79 has been achieved. Each change in contamination status shall be logged. Such logs shall be maintained for each unit for three years and made available for Puget Sound Clean Air Agency review. Recovered steel shot may not be reused if the PCB concentration is greater than 50 ppm or if the asbestos concentration is greater than 1%, PSNS shall test blast media from pcb/asbestos work prior to reuse. Equipment used for these purposes shall be placarded with the NOC number.

(f) When required by an Order of Approval condition, a trained observer shall inspect the affected area of building 368 for dust track out. Dust

trackout shall be cleaned up immediately, but not later than 24 hours after discovery.

(g) When required by an Order of Approval condition, PSNS shall install and maintain filter cartridge leak detectors using the specifications in 40 CFR 63.1184.

(h) PSNS shall monitor the leak detectors, presence of visible or fugitive emissions, and status/conditions of operating equipment at time of alarms. PSNS shall log/record alarms, inspections and corrective actions.

(i) When performing blasting operations outdoors, PSNS shall employ control measures such as curtailment or enclosing the work area. PSNS shall only order grit/shot, for outdoor use that meets the requirement for less than 1% passing through a No. 200 sieve.

(j) When required by an Order of Approval condition, PSNS shall keep records of alarms, inspections and corrective actions including:

- Date and time of alarm or inspection;
- Stack identification or area of fugitive emissions;
- Operational status/conditions of associated emission units;
- Observed results and conclusions;
- Description of corrective actions taken to resolve any observed emissions;
- Date and time visible emissions were eliminated; and
- Name of person performing the inspection, measurement, or monitoring.

[WAC 173-401-615(1)(b), 10/17/02 WAC 173-401-615(2), 10/17/02]

(iii) *Opacity Monitoring for No Visible Emissions*

PSNS shall conduct visible emissions inspections of the affected equipment or operations at least once per quarter, provided that when opacity monitoring is required by an Order of Approval condition, PSNS shall conduct visible emission inspections of the affected equipment at the intervals specified in the Order of Approvals in lieu of quarterly. Inspections are to be performed while the equipment is in operation during daylight hours. If during a visible emissions inspection, visible

emissions other than uncombined water are observed from the affected equipment or operation, PSNS shall, as soon as practicable but within 24 hours of the initial observation either; take corrective action, which may include shutting down the unit or activity until it can be repaired, or record the opacity using the reference test method. Failure to take corrective action as described above must be reported under Section V.M Compliance certifications or V.Q Reporting of this permit.

When required by an Order of Approval condition, opacity shall be limited to 5% for a period or periods aggregating more than 3 minutes in any one hour.

When required by an Order of Approval condition, a trained observer shall perform daily, when in use, inspections of the affected area around building 368 (West side), including all emission units, for visible emissions and fugitive emissions. If visible emissions other than uncombined water are noted during the inspection, PSNS shall immediately, but not later than within 24 hours, take corrective action to eliminate the visible or fugitive emissions. Such actions shall include but not be limited to identifying and correcting defective or malfunctioning equipment, closing access points to increase net building negative pressure, reducing operations, or shutting down.

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

(iv) *Scrubbers for Metal Finishing Tankline*

When required by an Order of Approval condition, a permanent pressure drop transmitter or gauge shall be installed to measure the pressure drop across the scrubber. When required by an Order of Approval condition, a pressure gauge measuring liquid injection pressure shall be installed. The acceptable pressure drop range and minimum injection pressure will be marked nearby the gauge, for example on an O&M placard. Pressure drop and injection pressure readings shall be recorded at least once each operating day. [WAC 173-401-615(1)(b), 11/4/93]

(v) *Scrubber for Chromium Electroplating*

Inspections

PSNS shall inspect scrubber #7 and scrubber #3 for the following:

- Once each day of tank operation, check that the scrubbers are operating within the compliant pressure drop ranges across each scrubber and across the fiber bed mist eliminator (filter) and check that the velocity pressure for scrubber #3 is operated within compliant range as established by performance testing. To be in compliance with the standards, the scrubber systems shall be operated within ± 1 inch of water column of the pressure drop values and the velocity pressure of

scrubber #3 shall be within $\pm 10\%$ of the pressure established during the initial performance test.

- For packed-bed scrubber #3, (during months which its associated tanks were chrome plating) once each calendar quarter, check the scrubber for proper drainage, excessive chromic acid buildup, evidence of chemical attack on the structural integrity of the scrubber which could lead to structural failure, breakthrough of chromic acid mist as evidenced with orange residue on the final stage of the system or other signs of chromic acid mist on the back portion of the mist eliminator during normal operations, and leaks in the system.
- Once each calendar quarter, (during months which its associated tanks were chrome plating) check the end of the velocity pressure pitot tube used to measure velocity pressure at the inlet to scrubber #3 for damage. Replace pitot tube if cracked or fatigued. Backflush the pitot tube with water or remove from the duct and rinse with fresh water. Replace in the duct and rotate 180 degrees to ensure that the same reading is obtained.
- For scrubber #7 (scrubber together with fiber-bed mist eliminator), once each calendar quarter visually inspect fiber-bed unit and prefiltering device (scrubber) to ensure proper drainage, no chromic acid buildup in the unit, and no chemical attack on the structural integrity, no leaks in ductwork from tank(s) to device. PSNS shall perform washdown of fiber elements per manufacturer frequency.
- If the pressure drop or velocity pressure readings are not within range, and/or improper drainage, excessive chrome buildup or evidence of chemical attack is observed, PSNS shall take corrective action as soon as practicable, which may include shutting down the unit or activity, and as specified in the facility's Operation and Maintenance Plan.

Notifications

- When modifications are made in the affected source, including control equipment, PSNS shall notify Puget Sound Clean Air Agency concerning re-testing the affected source within the time limit allowed. Emission limitations shall be calculated according to 40 CFR 63.344(e)(3) when this affected source is controlled with add-on air pollution control device that also control non-affected sources.

Recordkeeping

PSNS shall maintain the following records:

- (1) Inspection records for scrubber #3 and #7. The records may take the form of a checklist and shall identify the scrubber inspected, the date of inspection, a

brief description of the working condition of the scrubber, and any actions taken to correct deficiencies found during the inspection.

- (2) Records of all maintenance performed on plating operation, scrubber, and monitoring equipment;
- (3) Records of the occurrence, duration, and cause (if known) of each malfunction of process, scrubber, and monitoring equipment;
- (4) Records of actions taken during periods of malfunction when such actions are inconsistent with the operation and maintenance plan;
- (5) Other records, which may take the form of checklists, necessary to demonstrate consistency with the provisions of the operation and maintenance plan;
- (6) Test reports documenting results of all performance tests;
- (7) All measurements as may be necessary to determine the conditions of performance tests, including measurements necessary to determine compliance with the special compliance procedures of 40 CFR 63.344(e).
- (8) Records of monitoring data required by 40 CFR 63.343(c) (see Requirements EU 2.37 & EU 2.38) that are used to demonstrate compliance with the standard including the date and time the data are collected;
- (9) The specific identification (i.e., the date and time of commencement and completion) of each period of excess emissions, as indicated by monitoring data, that occurs during malfunction of the process, scrubber, or monitoring equipment;
- (10) The specific identification (i.e., the date and time of commencement and completion) of each period of excess emissions, as indicated by monitoring data, that occurs during periods other than malfunction of the process, scrubber, or monitoring equipment;
- (11) The total process operating time of the affected source during the reporting period;
- (12) All documentation supporting the notifications and reports required by 40 CFR 63.9, 40 CFR 63.10, and 40 CFR 63.347.

All records shall be maintained for a period of 5 years in accordance with 40 CFR 63.10(b)(1) (see Requirement EU 2.10.).

[40 CFR 63, Subpart N, 12/14/99] [WAC 173-401-615(1)(d) and (2), 10/17/02]
[Order of Approval No. 6382, condition 6 (c), 4/10/96]

(vi) Vapor Degreasers and Solvent Metal Cleaners

PSNS shall operate sources subject to NESHAP halogenated solvent cleaning relevant standards as follows:

- The emission source shall be operated by a written standard operating procedure, placard, operation and maintenance plan, or, startup, shutdown and malfunction plan. Records shall be kept of actions taken during the startup shutdown or malfunction showing the actions that were consistent with the correct procedures specified.
- Once a week, PSNS shall inspect the vapor degreaser for leaks and determine if the cover is operating properly, completely covers the degreaser, and is free of cracks, holes, or other defects. Records will be maintained of the date of inspection, condition of the degreaser, including cover, and any deficiencies noted, and any corrective action taken to correct deficiencies. Once eight consecutive weeks worth of records have been collected, indicating that no deficiencies were observed, monthly inspections and recordkeeping are required. If leaks are observed or if the cover does not completely cover the degreaser or is not free from leaks, cracks, holes and other defects, PSNS shall take corrective action within 24 hours. If PSNS corrects such problems described above as soon as practicable but within 24 hours, or shuts down the degreaser until it is repaired or corrected, PSNS does not need to report a deviation of this permit under section V.M Compliance certifications or V.Q Reporting.
- PSNS shall ensure that freeboard ratio must be greater than or equal to 1.00 prior to operating vapor degreaser using a toxic air contaminant.
- PSNS shall ensure the use of a refrigerated freeboard chiller.
- As an alternative to the Batch cold cleaning machine standards 40 CFR 63.462 and the Batch and in-line cleaning machine standards 40 CFR 63.463, PSNS has chosen to follow 40 CFR 63.464 Alternative standards. The method is as follows:
 1. PSNS shall maintain log of all solvent additions and deletions for each cleaning machine
 2. PSNS shall ensure that emissions are less than 150 kilograms per square meter per month (3-month rolling average).
 3. On the first operating day of each month PSNS shall calculate emissions and ensure machines only contain unused, cleaned or recycled solvent prior to calculation. The emission will be recorded on the log sheet.

4. PSNS shall keep a copy of the calculated emission in a binder.
5. PSNS shall ensure solvent emissions do not exceed 460 Lbs/month or 4605 Lbs of trichloroethylene in the previous 12-month period.
6. PSNS shall keep the machine cover closed at all times except when processing work or maintaining the machine.
7. PSNS shall ensure no leaks of solvent occur from the tank or any portion of the degreasing equipment.
8. PSNS shall ensure that solvent including waste solvent is stored in closed containers and is disposed of in a manner to prevent evaporation into the atmosphere.
9. PSNS shall make sure that all parts completely drain back to machine before lifting part clear of the machine.
10. PSNS shall ensure that spraying operations are done within the solvent vapor zone.

PSNS shall operate and maintain the emission source *71-873-161A, n-propyl bromide vapor degreaser* subject to Puget Sound Clean Air Agency toxic air contaminant standards as follows:

- The emission source shall be operated by a written standard operating procedure, placard, operation and maintenance plan, or, startup, shutdown and malfunction plan.
- PSNS shall ensure that solvent shall not leak from any portion of the equipment.
- PSNS shall ensure that racked parts shall be allowed to fully drain.
- PSNS shall ensure that parts be degreased in vapor zone until condensation ceases.
- PSNS shall ensure that if using powered hoist, vertical speed of parts moved in and out of vapor zone must be less than 10 feet per minute.
- PSNS shall ensure that the lip of the degreaser shall not be exposed to drafts greater than 50 feet per minute when cover is open.

PSNS shall operate all sources subject to Puget Sound Clean Air Agency solvent metal cleaner standards as follows:

- The emission source will be operated by a written standard operating procedure, placard, operation and maintenance plan, or, startup, shutdown and malfunction plan.
- PSNS shall ensure cleaners have a cover and a facility for draining cleaned parts such that the drained solvent returns to the tank.
- PSNS shall ensure no leaks of solvent occur from the tank or any portion of the degreasing equipment.
- PSNS shall ensure that solvent including waste solvent is stored in closed containers and is disposed of in a manner to prevent evaporation into the atmosphere.
- PSNS shall ensure that the degreaser cover remains closed except when processing work in the degreaser. The cover shall be closed to the maximum extent possible when work is being processed.
- PSNS shall ensure that cleaned parts drain such that the drained solvent returns to the solvent tank.

[WAC 173-401-615(1)(b) and (2), 10/17/02] [40 CFR 63, Subpart T, 9/8/00]

(e) Fuel Oil Sulfur Content Monitoring Procedure

PSNS shall ensure that the supplier provide certification that the sulfur content of the fuel is no more than 0.5% by weight when averaged over any calendar month. Documentation will be maintained on file for Puget Sound Clean Air Agency review upon request.

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

(f) Ship Building and Ship Repair NESHAP Coating Monitoring and Recordkeeping Procedure

PSNS shall maintain the following records on the Shipbuilding and Ship Repair NESHAP regulated coatings used by it and its contractors at the site. These procedures do not apply to coatings used less than 52.8 gallons per year, provided that the total volume of these "low-use-exempt" does not exceed 264 gallons per year. Coatings designated as "low-use-exempt" shall be clearly labeled as such and records of the volume applied shall be maintained. These procedures do not apply to coatings applied with hand held, nonrefillable, aerosol containers or to the application of unsaturated polyester resin coatings.

- (i) For marine coatings that compliance with the standards of 40 CFR 63.783(a) is determined by batch testing, the name and coating category; the applicable VOHAP limit; the results of EPA Method 24 analysis; the VOC content certification; and the volume of each coating formulation used each month.
- (ii) For marine coatings to which no thinning solvent other than water will be added, and for which batch testing is not conducted, the name and coating category; the applicable VOHAP limit; the VOC content certification; and the volume of each coating formulation dispensed from the warehouse each month.
- (iii) For marine coatings to which thinning solvent is added, and for which batch testing is not conducted, the name and coating category; the applicable VOHAP limit; the designated thinner; the maximum allowed thinning ratio (or ratios when complying with cold weather limits); when complying with the cold weather limits, the times and dates during which ambient temperature at PSNS is less than 40F and the volume used of each formulation of coating during these dates; the volume of each coating formulation used each month; the monthly total allowable thinner for each coating formulation; and the actual volume of thinner used for each coating formulation each month.
- (iv) For groups of marine coatings to which the same thinning solvent is added, and for which batch testing is not conducted, the density and mass fraction of water and exempt compounds of each thinner, including any calculations; the volume fraction of solids in each coating formulation; the maximum allowable thinning ratio (or ratios when complying with the cold weather limits) for each formulation of coating including calculations; when complying with the cold weather limits, the times and dates during which ambient temperature at PSNS is less than 40F and the volume used of each coating formulation during these dates; identification of each group of coatings and their designated thinners; the volume used, as-supplied, of each formulation each month; the total allowable volume of thinner used for the group each month, including calculations; and the actual volume of thinner used for the group each month.
- (v) For marine coatings which an alternate EPA approved test method is used to demonstrate compliance and to which no thinning solvent (other than water) is added, identification of the approved VOHAP test method; the certification of the as-supplied (and as-applied) VOHAP content of each formulation of coating, the volume of coating applied; the volume of each coating formulation used each month.
- (vi) For marine coatings which an alternate EPA approved test method is used to demonstrate compliance and to which thinning solvent is added on a coating-by-coating basis, identification of the approved VOHAP test method; the maximum allowed thinning ratio (or ratios if complying with cold weather limits) for each batch of coating including calculations; when complying with the cold weather limits, the dates and times during which ambient temperature at PSNS is less than 40F and the volume used of each coating formulation during these dates; the volume

of each coating formulation used each month, as-supplied; the monthly total allowable volume of thinner for each coating formulation, including calculations; and the monthly actual volume of thinner used for each coating formulation.

(vii) For marine coatings which an alternate EPA approved test method is used to demonstrate compliance and for which PSNS designates a single thinning solvent for a group of coatings, identification of the approved VOHAP test method; the density and mass fraction of water and exempt compounds of each thinner and the volume fraction of solids in each batch (including any calculations); the maximum allowable thinning ratios (or ratios for cold weather limits) including calculations; dates and times during which temperature was below 40F at the time of coating application and the as supplied volume of each batch in the group applied; identification of each group of coatings and their designated thinners; the as supplied volume used of each batch of coating in the group; the total allowable volume of thinner for the group (including calculations); and the actual volume of thinner used for the group.

[40 CFR 63.788 (12/17/96)]

(g) Notice of Completion

PSNS or its onsite contractors have submitted 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. PSNS may not change the equipment in a manner that requires an NOC Order of Approval without first obtaining an Order of Approval. [WAC 173-401-615(10(b), 10/17/02)]

(h) Performance Source Test

PSNS has conducted an emission source test, using EPA reference test methods or other methods specified by the underlying rule and/or approved by the Puget Sound Clean Air Agency. The testing has confirmed that the emission unit complied with the applicable emission limitations. A copy of the emission test report is on file with the Puget Sound Clean Air Agency. PSNS shall maintain a copy of the report as long as the results of the report are relied upon to demonstrate compliance with the applicable emission limitation. Additional testing shall be performed if additional equipment is installed that would require a performance test as per either an Order of Approval or related federal regulation. Additionally a performance test is required after modifications either to equipment or process method covered under a prior performance test if such modification either has the potential to increase emissions or changes the range of any compliance monitoring parameter beyond that established during the original source test. [40 CFR 63.7, 10/17/00;]

(i) Vapor Degreaser Emission Estimates

PSNS shall maintain records of the amount of trichloroethylene emissions from the vapor degreasers each month, and during the previous consecutive 12-month period,

and shall make those records available to Puget Sound Clean Air Agency upon request. PSNS shall calculate emissions from the vapor degreasers using the mass balance method. The amount of solvent in each degreaser system shall be determined using sight glasses or automatic level indicators. Records shall be maintained on the amount of solvent added to and removed from each degreaser system. Monthly emissions shall equal the solvent contained in the system at the beginning of the previous month minus solvent contained in the system at the beginning of the current month plus solvent added during the month minus solvent removed during the month.

[Order of Approval No. 6558, Condition 4, 8/15/96]

B. Operation and Maintenance (O&M) Plan Requirements

PSNS's O&M Plan will include procedures specifying how PSNS shall assure it and its onsite contractors are in 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.1(e) 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 emission unit or equipment. The specific provisions of the O&M Plan, other than those required by Condition Section II.A.1 and II.A.2(d), shall not be deemed part of this permit.

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

III. PROHIBITED ACTIVITIES

PSNS 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

PSNS shall not conduct open burning during any stage of an air pollution episode or period of impaired air quality and shall not conduct any open burning other than the following types:

1. Fires consisting solely of charcoal, propane, natural gas, or wood used solely for the preparation of food that comply with WAC 173-425-020(1) and WAC 173-425-030(21) and
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 Reg. I, Sections 8.04(a), 11/09/2000 and 8.07, 9/09/1999 (State/Puget Sound Clean Air Agency enforceable only)] [WAC 173-425-020(1), 3/13/2000; WAC 173-425-030(21), 3/13/2000; RCW 70.94.743, 1998 c68 p1 and RCW 70.94.775(2), 1995 c362 p2 (State/Puget Sound Clean Air Agency enforceable only)]

C. Refuse Burning

PSNS shall not cause or allow the burning of combustible refuse except in a multiple chamber incinerator provided with control equipment. PSNS shall not operate refuse burning equipment any time other than daylight hours. [Puget Sound Clean Air Agency Reg. I, Section 9.05, 12/9/93]

D. Concealment

PSNS 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 an emission of an air contaminant which would otherwise violate Puget Sound Clean Air Agency Regulation I, Article 9 or Chapter 173-400 WAC. [Puget Sound Clean Air Agency Reg. I, Section 9.13(a), 6/9/88] [WAC 173-400-040(7), 8/20/93] [WAC 173-400-040(7), 12/23/00 (State/Puget Sound Clean Air Agency enforceable only)]

E. Masking

PSNS shall not cause or allow the installation or use of any device or use of any means designed to mask the emission of an air contaminant that causes detriment to health, safety or welfare of any person or conceals or masks an emission of an air contaminant that would otherwise violate Regulation I, Article 9 or Chapter 173-400 WAC. [Puget Sound Clean Air Agency Reg. I, Section 9.13(b), 6/9/88] [WAC 173-400-040(7), 8/20/93] [WAC 173-400-040(7), 12/23/00 (*State/Puget Sound Clean Air Agency enforceable only*)]

F. Ambient Standards

PSNS shall not cause or allow the emission of air contaminants in sufficient quantity as to exceed any ambient air quality standard in Puget Sound Clean Air Agency Regulation I, Section 11.01. [Puget Sound Clean Air Agency Reg. I, Section 11.01(b), 4/14/94]

IV. ACTIVITIES REQUIRING ADDITIONAL APPROVAL

PSNS shall insure that PSNS and its on site contractors file notification and obtain the necessary approval from the Puget Sound Clean Air Agency before conducting any of the following:

A. New Source Review

PSNS 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 exemption recordkeeping requirement in Puget Sound Clean Air Agency Regulation I, Section 6.03, PSNS shall provide in a timely manner, upon request by the Agency, any information reasonably necessary to document the exemption. [Puget Sound Clean Air Agency Regulation I, Section 6.03, 9/12/96; WAC 173-400-110, 9/20/93; 40 CFR 60.7, 2/12/99; 40 CFR 60.14, 7/21/92; 40 CFR 60.15, 12/16/75; 40 CFR 63.5, 3/16/94] [Puget Sound Clean Air Agency Regulation I, Section 6.03, 7/12/01; WAC 173-400-110, 9/15/01; WAC 173-460-040, 2/14/94; RCW 70.94.152, 1996 c 67p1, 1996 c 29p1 (*State/Puget Sound Clean Air Agency enforceable only*)]

B. Replacement or Substantial Alteration of Emission Control Technology

PSNS 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, except as provided in Puget Sound Clean Air Agency Regulation I, Section 6.03. [Puget Sound Clean Air Agency Regulation I, Section 6.03, 9/12/96; WAC 173-400-110, 9/20/93] [Puget Sound Clean Air Agency Reg. I, Section 6.03, 7/12/01; WAC 173-400-110, 9/15/01; WAC 173-400-114, 9/20/93; RCW 70.94.153, 1991 c 199p303 (*State/Puget Sound Clean Air Agency enforceable only*)]

C. Asbestos

1. PSNS shall comply with 40 CFR 61.145 and 61.150 when conducting renovation or demolition activities at the facility. [40 CFR 61.145 and 61.150]
2. PSNS shall comply with Puget Sound Clean Air Agency Regulation III, Article 4, and any Clean Air Agency approved alternate control measures, when conducting any asbestos project, renovation or demolition activities at the facility. [Puget Sound Clean Air Agency Reg. III, Article 4, 7/13/00 (*State/Puget Sound Clean Air Agency enforceable only*)] [Puget Sound Clean Air Agency Reg. III, Article 4, 6/8/95]

D. Spray Coating

1. PSNS shall obtain prior approval under Puget Sound Clean Air Agency Regulation I, Section 9.16(a) for causing or allowing the use of spray equipment to apply any VOC-containing material except for:
 - a. The use of hand-held aerosol cans,
 - b. Touch-up operations,
 - c. The coating of marine vessels in dry docks,
 - d. The coating of bridges, water towers, buildings or similar structures,
 - e. Insecticide, pesticide, or fertilizer spray equipment, and
 - f. The coating of items that cannot be reasonably handled in an enclosed spray area, provided that the operation has received the prior written approval of the Control Officer.

[Puget Sound Clean Air Agency Reg. I, Section 9.16, 6/13/91]

- 2(a) Applicability. This section applies to spray-coating operations where a coating that protects or beautifies a surface is applied with spray-coating equipment.
- (b) Exemptions. The following activities are exempt from the provisions of Sections 9.16(c) and (d) of this regulation. Persons claiming any of the following spray-coating exemptions shall have the burden of demonstrating compliance with the claimed exemption.
 - (1) Application of architectural or maintenance coatings to stationary structures (e.g., bridges, water towers, buildings, stationary machinery, or similar structures);
 - (2) Aerospace coating operations subject to 40 CFR Part 63, Subpart GG. This includes all activities and materials listed in 40 CFR 63.741(f);
 - (3) Use of high-volume, low-pressure (HVLP) spray guns when:
 - (A) spray-coating operations do not involve motor vehicles or motor vehicle components;
 - (B) the gun cup capacity is 8 fluid ounces or less;
 - (C) the spray gun is used to spray-coat less than 9 square feet per day per facility;
 - (D) coatings are purchased in containers of 1 quart or less; and

- (E) spray-coating is allowed by fire department, fire marshal, or other government agency requirements.
 - (4) Use of air-brush spray equipment with 0.5 to 2.0 CFM airflow and a maximum cup capacity of 2 fluid ounces;
 - (5) Use of hand-held aerosol spray cans with a capacity of 1 quart or less; or
 - (6) Indoor application of automotive undercoating materials using organic solvents having a flash point in excess of 100°F.
- (c) **General Requirements for Indoor Spray-Coating Operations.** It shall be unlawful for any person subject to the provisions of this section to cause or allow spray-coating inside a structure, or spray-coating of any motor vehicles or motor vehicle components, unless the spray-coating is conducted inside an enclosed spray area. The enclosed spray area shall employ either properly seated paint arresters, or water-wash curtains with a continuous water curtain to control the overspray. All emissions from the spray-coating operation shall be vented to the atmosphere through an unobstructed vertical exhaust vent.
- (d) **General Requirements for Outdoor Spray-Coating Operations.** It shall be unlawful for any person subject to the provisions of this section to cause or allow spray-coating outside an enclosed structure unless reasonable precautions are employed to minimize the overspray. Reasonable precautions include, but are not limited to the use of:
- (1) Enclosures and curtailment during high winds; and
 - (2) High-volume low-pressure (HVLP), low-volume low-pressure (LVLP), electrostatic, or air-assisted airless spray equipment. Airless spray equipment may be used where low viscosity and high solid coatings preclude the use of higher-transfer efficiency spray equipment.
- (e) **Compliance with Other Regulations.** Compliance with this regulation does not exempt any person from compliance with Regulation I, Section 9.11 and all other applicable regulations including those of other agencies.

[Puget Sound Clean Air Agency Regulation I, Section 9.16, 7/12/01 State/Puget Sound Clean Air Agency only. This requirement will become federally enforceable upon adoption into the SIP and will replace the 6/13/91 version of Reg I: 9.16]

V. STANDARD TERMS AND CONDITIONS

A. Duty to comply

PSNS shall comply with all conditions of the Air Operating Permit, once issued. 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. [Puget Sound Clean Air Agency Reg. I, Section 7.05, 10/28/93; WAC 173-401-620(2)(a), 11/4/93]

B. Permit actions

Once issued, the Air Operating Permit may be modified, revoked, reopened and reissued, or terminated for cause. The filing of a request by PSNS for a permit modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance will not stay any permit condition. [WAC 173-401-620(2)(c), 11/4/93]

C. Property rights

Once issued, the Air Operating Permit does not convey any property rights of any sort, or any exclusive privilege. [WAC 173-401-620(2)(d), 11/4/93]

D. Duty to provide information

Subject to applicable security restrictions, PSNS 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 Air Operating Permit or to determine compliance with the permit. Upon request, PSNS shall also furnish to the Puget Sound Clean Air Agency copies of records required to be kept by the permit, in accordance with applicable security restrictions. For information claimed to be business confidential, PSNS may furnish such records directly to EPA Region 10 along with a claim of business 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), 11/4/93]

E. Permit fees

PSNS shall pay fees in accordance with Puget Sound Clean Air Agency Regulation I, Article 7. Failure to pay fees in a timely fashion will subject PSNS to civil and criminal penalties as prescribed in Chapter 70.94 RCW as authorized pursuant to 42 U.S.C. 7418. [WAC 173-401-620(2)(f), 11/4/93; RCW 70.94.162, 1998 c 245p129]

F. 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), 11/4/93]

G. Severability

If any provision of the Air Operating Permit, once issued, is held to be invalid, all unaffected provisions of the Permit shall remain in effect and be enforceable. [WAC 173-401-620(2)(h), 11/4/93; RCW 70.94.905, 1991 c 199p719 (State/Puget Sound Clean Air Agency enforceable only)]

H. Permit appeals

Upon issuance, the Air Operating 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 Section 505(b) of the FCAA. [WAC 173-401-620(2)(i) and WAC 173-401-735, 11/4/93; RCW 70.94.221, 1970 ex.s.c 62p58]

I. Permit continuation

Upon issuance, the Air Operating 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. A permit 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), 11/4/93]

J. Federal enforceability

All terms and conditions of this Air Operating Permit are enforceable by the EPA administrator and by citizens under the FCAA, except for those terms and conditions designated in this permit as “State/Puget Sound Clean Air Agency enforceable only” following citation of the applicable requirement. [WAC 173-401-625, 11/4/93]

K. Inspection and entry

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

1. Enter PSNS’s premises or where records will be kept under the conditions of the issued Air Operating Permit;

2. Have access to and copy, at reasonable times, any records that will be kept under the conditions of the issued Air Operating Permit;
3. Inspect at reasonable times any facilities, equipment (including monitoring and air pollution control equipment), practices or operations regulated or required under the issued Air Operating 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 issued Air Operating Permit or applicable requirements.

[WAC 173-401-630(2), 11/4/93; RCW 70.94.200, 11/12/97 (State/Puget Sound Clean Air Agency enforceable only)]

L. Compliance requirements

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

[WAC 173-401-630(3), 11/4/93; WAC 173-401-510(2)(h)(iii), 11/4/93]

M. Compliance certifications

PSNS shall submit a certification of compliance with permit terms and conditions once per year. The first such certification shall cover a period commencing upon the date of issuance of this permit, and ending with the calendar year. Each certification shall include:

- 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. These methods must be consistent with the permit Monitoring, Maintenance and Recordkeeping Methods.

All compliance certifications will be submitted to EPA Region 10 and to the Puget Sound Clean Air Agency, at the following addresses, within 30 days after the close of the period covered by the certification

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

EPA Region 10, Mail Stop OAQ-107
Attn.: Air Operating Permits
1200 Sixth Avenue
Seattle, Washington 98101

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

N. Compliance determination

1. Emission Testing - General

- i) 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 PSNS to have it tested. In the event that the Puget Sound Clean Air Agency or Ecology conducts the test, PSNS shall be given an opportunity to observe the sampling and to obtain a sample at the same time.
- ii) Testing of sources for compliance with emissions standards shall be performed in accordance with the Reference Test Methods identified in Section I of this Air Operating Permit, except where this permit indicates that a specific Reference Test Method is not needed or appropriate.
- iii) PSNS shall notify the Puget Sound Clean Air Agency in writing at least 2 weeks (14 days) prior to any compliance test and provide the Puget Sound Clean Air Agency an opportunity to review the test plan and to observe the test.
- iv) If required by the Puget Sound Clean Air Agency to perform a compliance test, PSNS shall submit a report to the Puget Sound Clean Air Agency no later than 60 days after the test. The report will include:
 - (a) A description of the source and the sampling location;
 - (b) The time and date of the test;
 - (c) A summary of results, reported in units and for averaging periods consistent with the applicable emission standard;
 - (d) A description of the test methods and quality assurance procedures employed;
 - (e) The amount of fuel burned or raw material processed by the source during the test;
 - (f) The operating parameters of the source and control equipment during the test;
 - (g) Field data and example calculations; and
 - (h) A statement signed by the senior management official of the testing firm certifying the validity of the source test report.

[WAC 173-400-105(4), 9/15/01 (State/Puget Sound Clean Air Agency enforceable only)]
[WAC 173-400-105(4), 9/20/93] [Puget Sound Clean Air Agency Reg. I, Section 3.05(b),
2/10/94; and Puget Sound Clean Air Agency Reg. I, Section 3.07, 2/9/95]

2. Credible Evidence

For the purpose of submitting compliance certifications or establishing whether or not a person has violated or is in violation of an Air Operating Permit, nothing shall preclude the use of any credible evidence 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 Reg. I, Section 3.06, 2/24/97]

O. Recordkeeping

1. General

PSNS shall maintain the following, where applicable:

1. Records of required monitoring information that include the following:
 - i) The date, place as defined in the permit, and time of sampling or measurements;
 - ii) The date(s) analyses were performed;
 - iii) The company or entity that performed the analyses;
 - iv) The analytical techniques or methods used;
 - v) The results of such analyses; and
 - vi) The operating conditions existing at the time of sampling or measurement.
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.
3. Records of all monitoring data and support information required by the Air Operating Permit, once issued, will be retained by PSNS 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 Air Operating Permit.
4. Upon issuance of the Air Operating Permit, PSNS shall keep records of all inspections, tests and other actions required by Section II.A.1. of this application, 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. PSNS shall also maintain records of all inspections, tests, and other actions required by the O&M Plan and Section

II.A.2. of this permit. All records required under this item will be available for Puget Sound Clean Air Agency review.

5. Upon issuance of the Air Operating Permit, PSNS shall keep records for all complaints received concerning odor, fugitive emissions or nuisance relating to Section II of this application. These records will also contain the following information:

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

[WAC 173-401-615(2), 10/17/02] [Puget sound Clean air agency Regulation I, Section 7.09(b), 9/10/98 (state/Puget Sound Clean Air Agency enforceable only)]

2. NESHAP Specific

For the requirements of the 40 CFR 63 Subparts N, T, and II, PSNS shall retain at least two years of records on site. The remaining three years of data may be retained off site.

[40 CFR 63.10(b)(1), 2/12/99]

P. Data recovery

The specific monitoring and recordkeeping requirements identified in Section II of this permit may contain data recovery requirements. However, if such requirements are silent on data recovery provisions, data recovery is assumed to be 100%.

The monitoring reports required by Section V.Q. will include an explanation for any instance in which PSNS failed to meet the data recovery requirements of this condition for any monitored process or parameter. The explanation will include the reason that the data was not collected and any actions that PSNS shall take to ensure collection of such data in the future. [WAC 173-401-615(1)(b) and (3)(b), 10/17/02]

Q. Reporting

1. General Reports

(a) Semiannual Operating Permit Reports

Any monitoring reports required by this permit to be submitted to the Puget Sound Clean Air Agency will be submitted at least once every six months, or more frequently where required by an applicable requirement. All instances of deviations from permit requirements must be clearly identified in such reports, unless specified in the Air Operating Permit that such

reporting is not required. If there were no deviations that require reporting, PSNS shall submit a report stating that there were no deviations. [WAC 173-401-615(3)(a), 11/4/1993]

(b) Deviation Reports

PSNS shall report in writing to Puget Sound Clean Air Agency Operating Permit Certification all instances of deviations from the permit requirements, unless otherwise exempted from reporting such deviations, 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. PSNS shall maintain a contemporaneous record of all deviations. PSNS shall report any deviations to the Puget Sound Clean Air Agency that represent a potential threat to human health or safety by FAX (206-343-7522) as soon as possible but no later than 12 hours after such a deviation is discovered. PSNS shall report other deviations in writing, unless otherwise exempted from reporting such deviations, to Puget Sound Clean Air Agency Operating Permit Certification on a monthly basis, within 30 days after the end of the month in which the deviation investigation was completed, but no later than 90 days after the end of the month during which the deviation is discovered. PSNS shall not submit a monthly report for months during which there were no deviations, except that if there are no deviations for six consecutive months, PSNS shall report that there were no deviations within 30 days after the end of the six-month period.

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

PSNS shall report to the Puget Sound Clean Air Agency any instances where it failed to promptly repair any defective equipment.

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

(c) Reporting Certification

Any application form, report, or compliance certification submitted pursuant to the Operating Permit shall contain certification by a responsible official of truth, accuracy, and completeness. The certification and any other certification required under the Operating 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]

All required reports will be certified by a responsible official consistent with WAC 173-401-520. Where an applicable requirement requires reporting more frequently than once every six months, the responsible official's certification will only be submitted once every six months, and will cover 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]

All reports required under this section will be submitted the Puget Sound Clean Air Agency, at the following address:

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

“No Person shall 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), 8/21/98 *STATE ONLY*]

“No person shall 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(8), 8/21/98 *STATE ONLY*]

2. Annual Emission Inventory

PSNS shall report annually to the Puget Sound Clean Air Agency for those air contaminants that are emitted in amounts equal to or exceeding the following (tons per year) during the previous calendar year:

1. Carbon monoxide (CO) emissions	25
2. Facility combined total of all toxic air contaminants (TAC) emissions	6
3. Any single toxic air contaminant (TAC) emissions	2
4. Nitrogen oxide (NO _x) emissions	25
5. Particulate matter (PM ₁₀) emissions	25
6. Particulate matter (PM _{2.5}) emissions	25
7. Sulfur oxide (SO _x) emissions	25
8. 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. PSNS 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 Reg. I, Section 7.09(a), 9/10/1998 (*State/Puget Sound Clean Air Agency enforceable only*)]

[Puget Sound Clean Air Agency Reg. I, Section 7.09(a), 10/6/97]

3. Ship Building and Ship Repair NESHAP -- Reporting/Notification

(a) Notification of Compliance Status Report

For new or reconstructed affected sources using an add-on control device to achieve compliance with the emission standard:

No later than 240 days after the startup date of a new or reconstructed affected source, or 60 days after the performance test, whichever is earlier, the PSNS shall submit a Notification of Compliance Status to Puget Sound Clean Air Agency Operating Permit Certification in accordance with 40 CFR Section 63.9(h).

[40 CFR 63.9(h) 4/5/02]

(b) Notification of Implementation Plan

PSNS shall prepare a written implementation plan in accordance with 40 CFR 63.787(b), and submit the plan to the Administrator no later than one year after the effective date of 40 CFR 63, Subpart II.

This implementation plan shall address:

- 1) The coating compliance procedures in 40 CFR 63.785(c) that PSNS intends to use.
- 2) The procedures for maintaining the records required under 40 CFR 63.788, including the procedures for gathering the necessary data and making the necessary calculations.
- 3) The procedures for ensuring compliance with the transfer, handling, and storage standards of 40 CFR 63.783(b).

[40 CFR 63.787(b)(1), 6/18/96 and 40 CFR 63.9(a) 4/5/02]

(c) Semiannual Compliance Certification Reports

Before March 1st and August 29th of each year, PSNS shall submit a semiannual compliance certification report to Puget Sound Clean Air Agency Operating Permit Certification in accordance with 40 CFR 63.788(c). To the extent possible, the report shall be organized to according to the compliance procedure(s) followed each month by PSNS.

This semiannual report shall include the following:

- 1) The volume of each “low-use-exempt” coating;
- 2) Identification of the coatings used, their appropriate coating categories, and the applicable VOHAP limit;

- 3) A determination whether the containers met the standards as described in 40 CFR 63.783(b)(2);
- 4) The results of any Method 24 of Appendix A to 40 CFR 60 or approved VOHAP test conducted on individual containers of coating, as applied;
- 5) For coatings to which no thinning solvent (other than water) was added, the volume of each coating, applied each month of the reporting period;
- 6) For coatings to which thinning solvent is added, and for which batch testing using EPA Method 24 is not conducted, the maximum allowed thinning ratio (or ratios if complying with cold weather limits) for each batch of coating applied, including calculations;
- 7) For coatings to which thinning solvent is added when complying with the cold weather limits, and for which batch testing using EPA Method 24 is not conducted, the dates and times during which ambient temperature at PSNS was below 40F at the time the coating was applied and the volume used of each batch of the coating;
- 8) For coatings to which thinning solvent is added, and for which batch testing using EPA Method 24 is not conducted, the monthly volume used of each batch of the coating, as supplied;
- 9) For coatings to which thinning solvent is added, and for which batch testing using EPA Method 24 is not conducted, the monthly total allowable volume of thinner for each coating, including calculations;
- 10) For coatings to which thinning solvent is added, and for which batch testing using EPA Method 24 is not conducted, the monthly actual volume of thinner used for each coating;
- 11) For groups of coatings to which the same thinning solvent is added, and for which batch testing using EPA Method 24 is not conducted, the maximum allowable thinning ratio (or ratios if complying with cold weather limits) for each batch of coating, including calculations;
- 12) For groups of coatings to which the same thinning solvent is added when complying with the cold weather limits, and for which batch testing using EPA Method 24 is not conducted, the dates and times during which ambient temperature at PSNS was below 40F at the time the coating was applied and the monthly volume used of each batch in the group, as supplied, during these dates;
- 13) For groups of coatings to which the same thinning solvent is added, and for which batch testing using EPA Method 24 is not conducted, identification of each group of coatings and their designated thinners for the calendar month;

- 14) For groups of coatings to which the same thinning solvent is added, and for which batch testing using EPA Method 24 is not conducted, the monthly volume used of each batch of coating in the group, as supplied;
- 15) For groups of coatings to which the same thinning solvent is added, and for which batch testing using EPA Method 24 is not conducted, the monthly total allowable volume of thinner for the group;
- 16) For groups of coatings to which the same thinning solvent is added, and for which batch testing using EPA Method 24 is not conducted, the monthly actual volume of thinner used for the group;
- 17) For coatings which an alternate EPA approved test method is used to demonstrate compliance, and to which PSNS adds no thinning solvent (other than water); identification of the Administrator-approved VOHAP test method, and the certification of the as-supplied (and as-applied) VOHAP content of each batch and the volume of coating applied;
- 18) For coatings which an alternate EPA approved test method is used to demonstrate compliance, and to which PSNS adds thinning solvent on a coating-by-coating basis; the maximum allowed thinning ratio (or ratios if complying with cold weather limits) for each batch of coating including calculations, the dates and times during which ambient temperature at PSNS was below 40F at the time the coating was applied and the volume used of each batch of the coating when complying with the cold weather limits, the monthly volume used of each batch of the coating as supplied, the monthly total allowable volume of thinner for each coating including calculations, and the monthly actual volume of thinner used for each coating.
- 19) For coatings which an alternate EPA approved test method is used to demonstrate compliance, and for which PSNS designates a single thinning solvent for a group of coatings; the maximum allowable thinning ratio (or ratios if complying with cold weather limits) for each batch of coating including calculations, the dates and times when complying with the cold weather limits that the ambient temperature at PSNS was below 40F at the time the coating was applied and the monthly as-supplied volumes of each batch in the group used under the cold weather limits during these dates, monthly identification of each group of coatings and their designated thinner, the monthly volume used of each batch of coating in the group as-supplied, the monthly total allowable volume of thinner for the group including calculations, and the monthly actual volume of thinner used for the group.
- 20) For the remainder of reporting periods in which a violation of the coating compliance procedures or the transfer, handling, and storage procedures is detected:

- A summary of the number and duration of the deviations classified by reason including known causes for which a Federally approved or promulgated exemption exists from an emission limitation or standard may apply.
- Identification of the data availability achieved during the reporting period, including a summary of the number and total duration of incidents that the monitoring protocol failed to perform in accordance with the design of the protocol or produced data that did not meet the minimum data accuracy and precision requirements, classified by reason.
- Identification of the compliance status on the last day of the reporting period and whether compliance was continuous or intermittent during the reporting period.
- If PSNS identifies any deviation as resulting from a known cause for which no Federally-approved or promulgated exemption from an emission limitation or standard applies, then the monitoring report shall also include all records that the source is required to maintain that pertain to the periods during which such deviation occurred and: the magnitude of the deviation, the reason for each deviation, a description of the corrective action taken for each deviation including action taken to minimize each deviation and action to prevent recurrence, and all quality assurance activities performed on any element of the monitoring protocol.

[40 CFR 63.788(c) 12/17/96]

(d) Change in Information

PSNS shall provide in writing any change in the information that was already provided under 40 CFR 63.9 within 15 calendar days after the change, in accordance with 40 CFR 63.9(j).

[40 CFR 63.9(j), 4/5/02]

4. Halogenated Solvent Cleaning NESHAP -- Reporting/Notification

(a) Annual Report

PSNS shall submit an annual report to the Puget Sound Clean Air Agency and EPA Region X by February 01 of the year following the one for which the reporting is being made, e.g. covering the preceding calendar year. This report shall include the following:

- 1) The size and type of each emission unit (solvent/air interface area).

- 2) The average monthly solvent consumption for each emission unit in kilograms per month.
- 3) The monthly 3-month rolling average emission estimate calculated for each month using the method as described in 40 CFR 63.465(c).

[40 CFR 63.468(g), 12/14/99]

(b) Semi-Annual Exceedance Report

PSNS shall submit an annual report to the Puget Sound Clean Air Agency and EPA Region X by the 30th day following the end of each calendar half, or calendar quarter once an exceedance has occurred. When an exceedance occurs, PSNS shall report the exceedance according to V.Q.1(b) Deviation Reports. Semiannual Exceedance Reports shall be submitted according to V.Q.1(a) Semiannual Operating Permit Reports. The exceedance report will include the following:

- 1) If an exceedance has occurred, the reason for the exceedance and a description of the actions taken.
- 2) The following will be stated in the report if any occurred during the reporting period:
 - a) No exceedances of a parameter have occurred;
 - b) An emission unit has not been inoperative;
 - c) An emission unit has not been out of control;
 - d) An emission unit has not been repaired; or
 - e) An emission unit has not been adjusted.

[40 CFR 63.468(h), 12/14/99]

5. Chromium Anodizing and Electroplating NESHAP – Reporting/Notification

(a) Report of Actions Inconsistent with the Operation and Maintenance Plan

If actions taken during periods of malfunction are inconsistent with the procedures specified in the operation and maintenance plan required by 40 CFR 63.342(f)(3)(i), PSNS shall report by phone to the Puget Sound Clean Air Agency (206 343-8800) such actions within 2 working days after commencing actions, in accordance with 40 CFR 63.342(f)(3)(iv). This report will be followed by letter in accordance with V.Q.1(b) Deviation Reports. PSNS shall keep a written operation and maintenance plan on record and make it available for inspection upon request of Puget Sound Clean Air

Agency for the life of the affected source or until the source is no longer subject to the provisions of Subpart N. In addition, if the operations and maintenance plan is revised, PSNS shall keep previous (i.e., superseded) versions of the operation and maintenance plan on record to be made available for inspection, upon request, by Puget Sound Clean Air Agency for a period of 5 years after each revision to the plan (40 CFR 63.342(f)(3)(v)). [40 CFR 63.342(f)(3)(iv), 8/11/97]

(b) Notification of Performance Test

PSNS shall notify the Puget Sound Clean Air Agency of its intention to conduct a performance test in accordance with 40 CFR 63.347(d).

[40 CFR 63.347(d), 8/11/97]

(c) Report of Performance Test Results

PSNS shall report the results of any performance test conducted as required by 40 CFR 63.7 or 63.343(b) to the Puget Sound Clean Air Agency, in accordance with 63.347(f). [40 CFR 63.347(f), 8/11/97]

(d) Ongoing Compliance Status Report

PSNS shall submit an Ongoing Compliance Status Report to the Puget Sound Clean Air Agency semiannually in accordance with 40 CFR 63.347(g) and V.Q.1(a) Semiannual Operating Permit Reports. If the monitoring data collected in accordance with 63.343(c), EU 2.31, show that the emission limit has been exceeded, the reports shall be submitted in accordance with V.Q.1(b) Deviation Reports.

[40 CFR 63.347(g), 8/11/97] [WAC 173-401-615, 10/17/02]

(e) Contents of Ongoing Compliance Status Report

PSNS shall prepare a summary report to document the ongoing compliance status for the chromium electroplating operation. The report shall include the following:

- The company name and address of the affected source;
- An identification of the operating parameter that is monitored for compliance determination, as required by 40 CFR 63.343(c);
- The relevant emission limitation for the affected source, and the operating parameter value, or range of values, that correspond to compliance with this emission limitation as specified in the most recent performance test;
- The beginning and ending dates of the reporting period;

- A description of the type of process performed in the affected source;
- The total operating time of the affected source during the reporting period;
- A summary of operating parameter values, including the total duration of excess emissions during the reporting period as indicated by those values, the total duration of excess emissions expressed as a percent of the total source operating time during that reporting period, and a breakdown of the total duration of excess emissions during the reporting period into those that are due to process upsets control equipment malfunctions, other known causes, and unknown causes;
- A certification by a responsible official, as defined in 40 CFR 63.2, that the work practice standards in 40 CFR 63.342(f) were followed in accordance with the operations and maintenance plan for PSNS;
- If the operation and maintenance plan required by 40 CFR 63.342(f)(3) was not followed, an explanation of the reasons for not following the provisions, an assessment of whether any excess emission and/or parameter monitoring exceedances are believed to have occurred, and a copy of the report(s) required by 40 CFR 63.342(f)(3)(iv) documenting that the operation and maintenance plan was not followed;
- A description of any changes in monitoring, processes, or controls since the last reporting period;
- The name, title and signature of the responsible official who is certifying the accuracy of the report; and
- The date of the report.

[40 CFR 63.347(g)(3), 8/11/97]

(f) Change in Information

PSNS shall provide in writing any change in the information that was already provided under 40 CFR 63.9 within 15 calendar days after the change, in accordance with 40 CFR 63.9(j).

[40 CFR 63.9(j), 4/5/02]

6. REQUIRED REPORTS

The following table contains a summary of the reporting requirements that are presented in detail in this permit. In the event of a conflict between the reporting requirements listed below and the reporting requirements listed in other sections of this permit, the reporting requirements listed in other sections of the permit shall govern.

Name of Report	Required by	Frequency
Halogenated Solvent NESHAP Annual Report (V.Q.4(a))	40 CFR 63.468(f) (12/14/99)	By February 28 of each year for the preceding year.
Halogenated Solvent NESHAP Exceedance Report (V.Q.4(b) Semi-Annual Exceedance Report)	40 CFR 63.468(h) (12/14/99)	Consistent with V.Q.1(b) Deviation Reports.
Chromium Anodizing and Electroplating NESHAP Results of Performance Test (V.Q.5(c) Report of Performance Test Results)	40 CFR 63.347(f) (8/11/97)	Within 90 days following the completion of the performance test.
Chromium Anodizing and Electroplating NESHAP Ongoing Compliance Status Report (V.Q.5(d) Ongoing Compliance Status Report)	40 CFR 63.347(g) (8/11/97)	Consistent with V.Q.1(b) Deviation Reports.
Chrome Deviation Report (V.Q.5(a) Report of Actions Inconsistent with the Operation and Maintenance Plan)	40 CFR 63.342(f)(3)(iv) (8/11/97)	If actions taken by the PSNS during periods of malfunction are inconsistent with the procedures specified in the operation and maintenance plan required by 40 CFR 63.342 (f)(3)(i), PSNS shall record the actions taken for that event and shall report under Section V.M Compliance certifications or V.Q Reporting of this permit a deviation of this permit.
Compliance certification V.M Compliance certifications	WAC 173-401-630(5)	Annually – February 28 for the previous calendar year.
Semiannual deviation report (V.Q.1(a) Semiannual Operating Permit Reports)	WAC 173-401-615(3)(a)	August 30 for period January 1-June 30 and February 28 for period July 1-December 31.
Permit deviations which represent a potential threat to human health or safety (V.Q.1(b) Deviation Reports)	WAC 173-401-615(3)(b)	Within 12 hours of discovery of the deviation.
Other permit deviations including failure to repair any defective equipment (V.Q.1(b) Deviation Reports)	WAC 173-401-615(3)(b)	Monthly - within 30 days after the end of the month in which the deviation investigation was completed, but no later than 90 days after the end of the month during which the deviation is discovered.
Emission inventory statement “ No Person shall 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.”	Reg. I, 7.09(a)	Annually, by April 15 th for the previous reporting period, or by a different date if specified by the Puget Sound Clean Air Agency.

Name of Report	Required by	Frequency
<p>“No Person shall <i>render inaccurate</i> any monitoring device or method required under Chapter 70.94 RCW, or any ordinance, resolution, regulation, permit, or order in force pursuant thereto.”</p> <p>[WAC 173-400-105(8), 8/21/98 STATE ONLY]</p> <p>“No person shall 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.”]</p> <p>[WAC 173-400-105(8), 8/21/98 STATE ONLY]</p> <p>Annual Emission Inventory)</p>		
<p>Notice of Emergency (V.R. Emergencies)</p>	<p>WAC 173-401-645(d) (11/4/93)</p>	<p>Within 2 days of exceeding emission limits.</p>
<p>Unavoidable Excess Emissions (V.S Unavoidable excess emissions)</p>	<p>WAC 173-400-107</p>	<p>As needed.</p>
<p>Administrative permit amendment request (VI.B Administrative Permit Amendments)</p>	<p>WAC 173-401-720</p>	<p>Can make change immediately on submission.</p>
<p>Notice of changes not requiring permit revisions, including 502(b)(10) changes and SIP authorized emission trading (VI.C Changes not Requiring Permit Revisions)</p>	<p>WAC 173-401-722</p>	<p>7 days prior to making a change.</p>
<p>Notice of off permit changes (VI.D Off Permit Changes)</p>	<p>WAC 173-401-724</p>	<p>Contemporaneous with the change.</p>
<p>Minor permit modification application (VI.E Permit Modification)</p>	<p>WAC 173-401-725</p>	<p>Can make change immediately after filing application.</p>
<p>Significant permit modification application (VI.E Permit Modification)</p>	<p>WAC 173-401-725</p>	<p>As needed.</p>
<p>Notice of Construction and Application for Approval (IV.A New Source Review)</p>	<p>Puget Sound Clean Air Agency Reg. I, Article 6</p>	<p>Before construction begins.</p>
<p>Asbestos project notification (IV.C Asbestos)</p>	<p>Puget Sound Clean Air Agency Reg. III, Section 4.03</p>	<p>Up to 10 days prior.</p>
<p>PSD permit applications (IV.A New Source Review)</p>	<p>WAC 173-400-141</p>	<p>Before construction begins.</p>

7. NOTIFICATION REQUIREMENTS

The following table contains a summary of the notification requirements that are presented in detail in this permit. In the event of a conflict between the notification requirements listed below and the notification requirements listed in other sections of this permit, the notification requirements listed in other sections of the permit shall govern.

Reqmt. No.	Citation	Adoption or Effective Date	Notification Requirement	Date Report Due
N. 1	Puget Sound Clean Air Agency Regulation I, Section 3.07(b)	2/10/1994	As specified in Section V. N. of this permit, PSNS shall notify the Puget Sound Clean Air Agency in writing at least 2 weeks (14 days) prior to any compliance test and provide the Puget Sound Clean Air Agency an opportunity to review the test plan and to observe the test.	14 days prior to compliance test.
N. 2	40 CFR 60.7(a)(1)	9/15/1994	PSNS shall furnish written notification to the Puget Sound Clean Air Agency and EPA Region 10 of the date of construction or reconstruction of an affected NSPS facility as specified in 40 CFR Part 60	30 days after date of construction or reconstruction
N. 3	40 CFR 60.7(a)(2)	9/15/1994	PSNS shall furnish written notification to the Puget Sound Clean Air Agency and EPA Region 10 of the anticipated date of initial start-up of an affected NSPS facility as specified in 40 CFR Part 60	No more than 60 nor less than 30 days prior to anticipated date of initial start-up
N. 4	40 CFR 60.7(a)(3)	9/15/1994	PSNS shall furnish written notification to the Puget Sound Clean Air Agency and EPA Region 10 of the actual date of initial start-up of an affected NSPS facility as specified in 40 CFR Part 60	15 days after date of initial start-up
N. 5	40 CFR 60.7(a)(4)	9/15/1994	PSNS shall furnish written notification to the Puget Sound Clean Air Agency and EPA Region 10 of any physical or operational change which may increase emission rate of any air pollutant to which an NSPS standard applies unless change is exempted under 40 CFR 60.14(3)	60 days or as soon as practicable before change is commenced
N. 6	40 CFR 60.8	5/17/1989	Provide notice to the Puget Sound Clean Air Agency and EPA Region 10 of performance test conducted to demonstrate compliance with standards in 40 CFR Part 60 (NSPS)	30 days prior to test

Reqmt. No.	Citation	Adoption or Effective Date	Notification Requirement	Date Report Due
N. 7	40 CFR 63.5(b)(4)	3/16/1994	For a new affected source or reconstructed affected source subject to a NESHAP, notify the Puget Sound Clean Air Agency of the intended construction or reconstruction. Submit in accordance with 63.9(b), Initial Notifications, and include information required for application for approval or construction or reconstruction as specified in 40 CFR 63.5(d). For major sources, application for approval may be used to fulfill notification requirements.	For major sources, see timeline in 63.5(d).
N. 8	40 CFR 63.5(d)(1)	3/16/1994	For a new major source or reconstructed major source subject to a NESHAP, submit an application for approval of construction to the Puget Sound Clean Air Agency as specified in 40 CFR 63.5.	As soon as possible prior to construction if NESHAP in effect. No later than 60 days after effective date of standard if not in effect.
N. 9	40 CFR 63.9(b)(3)	2/12/1999	For a new or reconstructed affected source subject to a NESHAP with an initial startup after the effective date of a relevant standard and for which an application for approval of construction or reconstruction is not required under 40 CFR 63.5(d), submit an initial notification to the Puget Sound Clean Air Agency in accordance with 40 CFR 63.9(b)(3).	No later than 120 days after initial startup.
N. 10	40 CFR 63.9(e), 40 CFR 63.9(i), Puget Sound Clean Air Agency Reg I: 3.07	2/12/1999	PSNS shall notify the Control Officer in writing of its intention to conduct a NESHAP performance test at least 60 calendar days before the performance test is scheduled to begin to allow the Control Officer to review and approve the site-specific test plan required under 40 CFR 63.7(c), if requested by the Control Officer, and to have an observer present during the test.	At least two weeks before the performance test is scheduled to begin.
N. 11	40 CFR 63.9(j) Puget Sound Clean Air Agency Regulation III, 2.02	02/12/1999 09/09/1999	For vapor degreasing operation and chrome plating operations subject to the NESHAP, PSNS shall send changes in information to the Puget Sound Clean Air Agency within 15 days	Within 15 days of determining changes in information needed

Reqmt. No.	Citation	Adoption or Effective Date	Notification Requirement	Date Report Due
N. 12	WAC 173-401-720	11/4/1993	Administrative permit amendment request (VI.B Administrative Permit Amendments)	Can make change immediately on submission
N. 13	WAC 173-401-722	11/4/1993	Notice of changes not requiring permit revisions, including 502(b)(10) changes and SIP authorized emission trading (VI.C Changes not Requiring Permit Revisions)	7 days prior to making a change
N. 14	WAC 173-401-724	11/4/1993	Notice of off permit changes (VI.D Off Permit Changes)	Contemporaneous with the change
N. 15	WAC 173-401-725	11/4/1993	Minor permit modification application (VI.E Permit Modification)	Can make change immediately after filing application
N. 16	WAC 173-401-725	11/4/1993	Significant permit modification application (VI.E Permit Modification)	As needed
N. 17	Puget Sound Clean Air Agency Reg. I, Article 6	7/12/2001	Notice of Construction and Application for Approval (IV.A New Source Review)	Before construction begins
N. 18	Puget Sound Clean Air Agency Reg. III, Section 4.03	7/13/2000	Asbestos project notification (IV.C Asbestos)	At least 10 days prior
N. 19	WAC 173-400-141	10/14/1996	PSD permit applications (IV.A New Source Review)	Before construction begins

R. Emergencies

An emergency, as defined in WAC 173-401-645(1), 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 PSNS can identify the cause(s) of the emergency;
2. The permitted facility was at the time being properly operated;
3. During the period of the emergency PSNS took all reasonable steps to minimize levels of emissions that exceeded the emission standards or other requirements in the permit; and
4. PSNS 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, PSNS 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, 11/4/93]

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 emission that PSNS wants the Puget Sound Clean Air Agency to consider unavoidable and excusable under WAC 173-400-107, PSNS shall submit the information required under WAC 173-400-107. [WAC 173-400-107(2), 8/20/93 (*State/Puget Sound Clean Air Agency only*)]

T. Need to halt or reduce activity not a defense

It shall not be a defense for PSNS 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), 11/4/93]

U. Stratospheric ozone and climate protection

1. PSNS will 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:
 - i) Persons opening appliances for maintenance, service, repair, or disposal must comply with the required practices pursuant to 40 CFR 82.156;
 - ii) 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; and
 - iii) 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. PSNS 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]
3. Any certified technician employed by PSNS, and who maintains, repairs, and disposes of appliances, will keep a copy of their certification at their place of employment. [40 CFR 82.166(1)]
4. PSNS 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. [RCW 70.94.970(2) and (4), 11/12/97 (*State/Puget Sound Clean Air Agency enforceable only*)]

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), 11/4/93 (*State/Puget Sound Clean Air Agency enforceable only*)]

W. Risk management programs

In accordance with 40 CFR Part 68, if PSNS has or receives more than a threshold quantity of a regulated substance in a process, as determined under 40 CFR 68.115, PSNS 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, 1/6/1999]

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, 10/17/02]

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, PSNS shall promptly submit such supplementary facts or corrected information to the Puget Sound Clean Air Agency. [WAC 173-401-500(6), 11/4/93 (*State/Puget Sound Clean Air Agency enforceable only*)]

Z. Insignificant emission units and activities

1. Insignificant emission units and activities at PSNS are subject to all applicable requirements set forth in Sections I.A, III and IV. This permit shall not require testing, monitoring, reporting or recordkeeping for insignificant emission units or activities except as required by Puget Sound Clean Air Agency Regulation I, Sections 7.09(b) and 9.20. Compliance with Puget Sound Clean Air Agency Regulation I, Sections 7.09(b) and 9.20 shall be deemed to satisfy the requirements of WAC 173-401-615 and 173-401-630(1).

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

2. Where this permit does not require testing, monitoring, recordkeeping and reporting for insignificant emissions units or activities, PSNS 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, PSNS 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]

3. 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]

VI. PERMIT ACTIONS

A. *Permit Renewal, Revocation And Expiration*

- (1) **Renewal application.** PSNS 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. Failure of the Puget Sound Clean Air Agency to send PSNS a renewal application shall not relieve PSNS 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 will terminate PSNS'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 PSNS or for cause. The Puget Sound Clean Air Agency shall provide at least thirty days written notice to PSNS 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 PSNS 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 PSNS 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 PSNS;
 - c) Requires more frequent monitoring or reporting by PSNS;
 - 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 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) The 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) The Puget Sound Clean Air Agency shall submit a copy of the revised permit to EPA.
- c) PSNS may implement the changes addressed in the request for an administrative amendment immediately upon submittal of the request. [WAC 173-401-720(3), 11/4/93]
- (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), 11/4/93]

C. Changes not Requiring Permit Revisions

- (1) **General.**
- a) PSNS shall be 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 174-401-200;
- 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) PSNS 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. PSNS 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, PSNS shall be authorized to make section 502(b)(10) changes (as defined in WAC 173-401-200) 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.
- (3) **SIP authorized emissions trading.** Pursuant to the conditions in Subsection (1) of this condition, PSNS 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 PSNS shall 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 PSNS shall 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 PSNS shall 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) PSNS 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) PSNS shall 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) PSNS shall keep a record describing changes made at PSNS 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, PSNS 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, 11/4/93]

E. 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 PSNS has assumed to avoid an applicable requirement to which PSNS would otherwise be subject. Such terms and conditions include:
 - (1) A federally enforceable emissions cap assumed to avoid classification as a modification under any provision of Title I of the FCAA; and
 - (2) 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 is 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) PSNS'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) PSNS's ability to make change. PSNS may make the change proposed in its minor permit modification application immediately after it files such application provided that those changes requiring the submission of a notice of construction application have been reviewed and approved by the Puget Sound Clean Air Agency. After PSNS 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), PSNS must comply with both the applicable requirements governing the

change and the proposed permit terms and conditions. During this time period, PSNS need not comply with the existing permit terms and conditions it seeks to modify. However, if PSNS 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.
- (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.
- (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 PSNS 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, 11/4/93]

F. 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 PSNS 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 determine that the permit must be revised or revoked to assure compliance with the applicable requirements.
- (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.
- (3) **Notice.** Reopenings under this section shall not be initiated before a notice of such intent is provided to PSNS 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, 11/4/93]

VII. PERMIT SHIELD

Compliance with the conditions of the permit , and the Radioactive Air Emissions License issued by the State of Washington Department of Health, shall be deemed compliance with any applicable requirements contained in Sections I through VI and VIII of this permit that are specifically identified in this permit as of the date of permit issuance. [WAC 173-401-640(1), 11/4/93]

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 administrator under that section;
- (2) The liability of an owner or operator of PSNS 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 and the State of Washington Department of Health to establish or revise requirements for the use of reasonably available control technology (RACT) as provided in chapter 252, Laws of 1993.

[WAC 173-401-640(4), 11/4/93 (*State/Puget Sound Clean Air Agency enforceable only*)]

VIII. RADIONUCLIDES

Radioactive Air Emissions License

Any radioactive air emissions License issued by the State of Washington Department of Health must be incorporated as an applicable portion of the air operating permit as required under RCW 70.94.161(10)(d) and WAC 246-247-040. The Department of Health has issued a Radioactive Air Emissions License to the Puget Sound Naval Shipyard, and that License has been included in the air operating permit. The Radioactive Air Emissions License is written in the Department of Health format, following Department of Health interpretations of 40 CFR 61, Subpart I and Department of Health requirements. It may not follow the format or conventions used by the Puget Sound Clean Air Agency in the main body of the air operating permit.

The License issued by the Department of Health to the Puget Sound Naval Station covers radionuclide air emissions from various emission units identified in the following License. The radioactive air emissions sources at this facility are under the control of the US Navy.

IX. APPENDIXES

A. Reference Method Titles and Averaging Periods

EPA Reference Test Method	Date	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	1-hour tests unless otherwise specified.
EPA Method 6 40 CFR Part 60, Appendix A	July 1, 2002	Determination of Sulfur Dioxide Emissions from Stationary Sources	1-hour tests.
EPA Method 7 40 CFR Part 60, Appendix A	July 1, 2002	Determination of Nitrogen Oxide Emissions from Stationary Sources	Four 15 seconds for Method 7, 7A grab samples taken at 15 minute intervals. 1 hour for Method 7C, 7D or 7E.

EPA Reference Test Method	Date	Title	Averaging Period
Ecology 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 9 40 CFR Part 60, Appendix A	July 1, 2002	Visual Determination of the Opacity of Emissions from Stationary Sources - for Federal Requirements	6-minute averaging period, opacity readings taken in 15-second intervals.
EPA Method 19, 40 CFR Part 60 Appendix A	July 1, 2002	Determination of Sulfur Dioxide Removal Efficiency and Particulate Matter, Sulfur Dioxide, and Nitrogen Oxides Emission Rates	30-day rolling average for nitrogen oxides.
EPA Method 24 40 CFR Part 60, Appendix A	July 1, 2002	Determination of Volatile Matter Content, Water Content, Density, Volume Solids, and Weight Solids of Surface Coatings	For water-based and water reducible coatings, vendor certification or data will be used for determining compliance. For other VOC containing materials, vendor certification or data will be the primary means for determining compliance. If Method 24 is used for coatings, grab samples will be taken and the average of all of a single type of coating (e.g., primer or topcoat), mixed and ready for application within the same coating operation, will be used for determining compliance.
EPA Method 26 A 40 CFR Part 60, Appendix A	July 1, 2002	Determinations of HCl	1-hour tests.
EPA Method 27 40 CFR Part 60, Appendix A	July 1, 2002	Determination of Vapor Tightness of Gasoline Delivery Tank Using Pressure-Vacuum Test	5-minute averaging period.

EPA Reference Test Method	Date	Title	Averaging Period
EPA Method 306 & 306A 40 CFR Part 63, Appendix A	July 1, 1998	Determination of Chromium Emissions from Decorative and Hard Chromium Electroplating and Anodizing Operations	Minimum 2-hour averaging period. EPA has approved conducting three 3-hour sampling runs per performance test for tanks A-10 and C-8 at the PSNS Everett site instead of determining the sample times using the procedures in 40 CFR 63.344(e)(3)(i).
EPA Method 306B 40 CFR Part 63, Appendix A	July 1, 2001	Determination of Chromium Emissions from Decorative and Hard Chromium Electroplating and Anodizing Operations	Instantaneous measurement once every 4 hours - no averaging period.
EPA Method 307 40 CFR Part 63, Appendix A	July 1, 2001	Determination of Emissions from Halogenated Solvent Vapor Cleaning Machines Using a Liquid Level Procedure	16 hour test runs
EPA Method 319 40 CFR Part 60, Appendix A	July 1, 2001	Determination of Filtration Efficiency for Paint Overspray	None required.

For Puget Sound Clean Air Agency Method 5, EPA Method 6, EPA Method 7, A, C and D, EPA Method 24, EPA Method 26A and EPA Method 306 A and B, each test 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 EPA or Puget Sound Clean Air Agency approval, be determined from the arithmetic average of the two other runs.

Source Test Method 99 Fuel Oil Analyses.

Ash ASTM D482,
 Sulfur ASTM D3120,
 Halogens EPA SW846, 9076,
 PCB EPA SW846, 8080,
 Lead EPA 600/4-81-045, 200.7
 Flash Point EPA SW846,1020

B. Non-EPA Test Methods

1. Puget Sound Clean Air Agency Method 5
2. Ecology Method 9A

C. Attachments

No. Subject

- 1 Jay Willenberg letter dated April 20, 1995 to R. F. Cipra, Puget Sound Naval Shipyard re Waiver of Vertical Stack Requirement.
- 2 Douglas Hardesty letter dated May 11, 1998 to R. M. Shipley, Dept of the Navy re waiver of certain recordkeeping and reporting requirements.
- 3 Undated letter from Douglas Hardesty to R. M. Shipley, Dept. of the Navy re clarification of reporting requirements.
4. Final Radioactive Air Emissions License for Puget Sound Naval Shipyard.