



## AIR OPERATING PERMIT

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

Issued in accordance with the provisions of PSCAA Regulation I, Article 7, and Chapter 173-401 WAC.

Pursuant to PSCAA Regulation I, Article 7, and Chapter 173-401 WAC, U.S. Oil is authorized to operate subject to the terms and conditions in this permit.

<b>PERMIT NO.: 12593</b>	<b>DATE OF ISSUANCE:</b> December 29, 2011  Administrative Modification: May 3, 2012 May 11, 2017 September 24, 2019
<b>ISSUED TO: U.S. Oil &amp; Refining Co.</b>	
<b>PERMIT EXPIRATION DATE:</b> December 29, 2016	

SIC Code, Primary:	2911
Nature of Business:	Petroleum Refining
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## List of Abbreviations

### Agencies

PSCAA	Puget Sound Clean Air Agency
EPA	U.S. Environmental Protection Agency
Ecology	Washington State Department of Ecology

### Pollutants

PM <sub>10</sub>	particulate matter with an aerodynamic diameter <10 micrometers
SO <sub>x</sub> , SO <sub>2</sub>	sulfur oxides, sulfur dioxide
H <sub>2</sub> S	hydrogen sulfide
NO <sub>x</sub> , NO <sub>2</sub>	nitrogen oxides, nitrogen dioxide
O <sub>2</sub>	oxygen
VOC	Volatile Organic Compounds (see 40 CFR 51.100(s))
HAP	Hazardous Air Pollutants (see FCAA §112(b), 40 CFR 63 Subpart CC, Table 1)

### Units

ppm	parts per million by volume
gr	grains
scf	standard cubic foot (dscf for dry scf)
MMBtu	million British thermal units

hr	hour
min	minute
yr	year
ft	feet (ft <sup>2</sup> for square feet)
"	inches, (in <sup>2</sup> for square inches)
psi	pounds per square inch (psia for absolute, psig for gauge)



Emission Unit Identification

B-	boiler	CRU	catalytic reforming unit
H-	heater	SRU	sulfur recovery unit
F-	flare	LCU	light crude unit
TK-	tank	LCVU	light crude vacuum unit
V-	vessel	DHU	diesel hydrotreater unit
J-	transfer pump		

Other

NSPS	New Source Performance Standards (40 CFR Part 60)
CEMS	Continuous Emission Monitoring Systems
CFR	Code of Federal Regulations
FCAA	Federal Clean Air Act Amendments of 1990
EFR	External Floating Roof
IFR	Internal Floating Roof

## I. EMISSION LIMITS AND PERFORMANCE STANDARDS

The requirements in Section I of the permit are in a tabular format. The first column is used as an identifier for the requirement. The third and fourth columns in the following tables cite the applicable requirements and their adoption or effective dates, respectively. Applicable requirements shown in square brackets [ ] require compliance with the unbracketed requirement listed above it. Applicable requirements shown in parentheses { } require compliance with the entire part or subpart of the Code of Federal Regulations that the unbracketed requirement listed above it is in. Applicable requirements that are *not federally enforceable* are grouped together and listed underneath a dashed line.

The second column identifies the units and activities to which the requirement applies. Where the applicable requirement affects a small category of units, the category is cited followed by a list of identification numbers of the equipment at US Oil known to be within that category at the time of permit renewal. In some cases, notes are used to clarify which units and activities the requirement applies to. But for requirements that apply to ‘sources’, ‘emission units’, ‘equipment’, ‘control equipment’, ‘equipment used in a manufacturing process’, and ‘general process units’, refer to the definitions used in the referenced statute, rule or regulation.

The fifth column paraphrases the applicable requirement. These requirement paraphrases are for information only and are not enforceable provisions of this permit. In the event of any conflict or omission between the requirement paraphrase and the applicable requirement cited in the third and fourth columns, the requirements and language of the actual statute or regulation cited shall govern. For more information regarding any of the applicable requirements cited in the third and fourth columns, refer to the actual statute or regulation cited.

The sixth column references the associated monitoring and recordkeeping methods contained in Section II of this permit (if any). Where monitoring and recordkeeping are not required, “not required” appears in the table.

The seventh column lists reference test method. These are the methods to be used by US Oil if and when a source test is required. In some cases where the applicable requirement does not cite a test method, one has been added. Where test methods are not applicable, ‘N/A’ appears in the table.

**I.A. OPACITY and PARTICULATE MATTER**

Req. No.	Applies to	Applicable Requirement	Adoption or Effective Date	Requirement Paraphrase (Information Only)	Monitoring & Recordkeeping Procedures	Reference Test Method
Opacity						
<b>I.A.1</b>	Facility-wide (excludes: motor vehicles when operated on public roads, fire training facilities)	PSCAA Reg. I: 9.03(a) ----- PSCAA Reg. I: 9.03(a) <i>Not federally enforceable</i>	3/11/99 ----- 3/25/04	Shall not emit >20% opacity for >3 min in any 1-hr period.	(see II.A.1)	Ecology Method 9A (see Section IX.B)
<b>I.A.2</b>	Emission units	WAC 173-400-040(1) ----- WAC 173-400-040(1) <i>Not federally enforceable</i>	9/20/93 ----- 2/10/05	Shall not emit >20% opacity for >3 min in any 1-hr period, except when the emissions occur due to soot blowing/grate cleaning and the operator can demonstrate that the emissions will not exceed 20% opacity for >15 min in any 8-hr period.	(see II.A.1)	Ecology Method 9A (see Section IX.B)
<b>I.A.3</b>	B-4	PSCAA Order of Approval No. 5429: Condition 8	12/22/94	Shall not emit >5% opacity for >3 min in any 1-hr period when fired solely on gas.	(see II.A.1)	Ecology Method 9A (see Section IX.B)
<b>I.A.4</b>	B-5	PSCAA Order of Approval No. 5430: Condition 8	12/22/94	Shall not emit >5% opacity for >3 min in any 1-hr period.	(see II.A.1)	Ecology Method 9A (see Section IX.B)
<b>I.A.5</b>	H-11	PSCAA Order of Approval No. 5448: Condition 8	12/22/94	Shall not emit >5% opacity for >3 min in any 1-hr period when fired solely on gas.	(see II.A.1)	Ecology Method 9A (see Section IX.B)

Req. No.	Applies to	Applicable Requirement	Adoption or Effective Date	Requirement Paraphrase (Information Only)	Monitoring & Recordkeeping Procedures	Reference Test Method
<b>I.A.6</b>	H-201	PSCAA Order of Approval No. 5432: Condition 9	12/22/94	Shall not emit >5% opacity for >3 min in any 1-hr period when fired solely on gas.	(see II.A.1)	Ecology Method 9A (see Section IX.B)
<b>I.A.7</b>	NSPS Subpart UU asphalt storage tanks(included: TK-5001, TK-5002, TK-6001, TK-6002)	40 CFR 60.472(c) ----- {PSCAA Reg. I: 6.11} {WAC 173-400-115} <i>Not federally enforceable</i>	10/17/00 ----- 9/26/02 6/8/07	Shall not emit > 0% opacity at any time, except for 1 consecutive 15-min period in any 24-hr period when the transfer lines are being blown for clearing. The control device shall not be by-passed during this 15-min period.	(see II.A.1 - II.A.3)	EPA Method 9 (see 40 CFR Part 60, App. A, 7/1/10) 40 CFR 60.11, (10/17/00)
<b>I.A.8</b>	Asphalt railcar loading rack demister	PSCAA Order of Approval No. 10053: Condition 3	7/8/09	Emissions from the demister shall not exceed 0% opacity as determined by EPA Method 9, except for one consecutive 15-minute period in any 24-hour period when the transfer lines are being blown for clearing.	(see II.A.4-II.A.6)	EPA Method 9 (see 40 CFR Part 60, App. A, 7/1/10)
<b>I.A.9</b>	H-3	PSCAA Order of Approval No. 9153: Condition 5	3/24/05	Shall not emit >5% opacity for >3 min in any 1-hr period.	(see II.A.1)	Ecology Method 9A (see Section IX.B)
<b>I.A.10</b>	H-202	PSCAA Order of Approval No. 9343: Condition 5	3/29/06	Shall not exceed 0% opacity for >3 min in any 1-hr period.	(see II.A.1)	Ecology Method 9A (see Section IX.B)
<b>I.A.11</b>	H-901	PSCAA Order of Approval No. 10120: Condition 6	7/7/10	Shall not exceed 0% opacity for >3 min in any 1-hr period.	(see II.A.1)	Ecology Method 9A (see Section IX.B)

Req. No.	Applies to	Applicable Requirement	Adoption or Effective Date	Requirement Paraphrase (Information Only)	Monitoring & Recordkeeping Procedures	Reference Test Method
<b>Mass Concentration</b>						
<p>(Note 1: Requirement I.A.12 applies to fuel burning equipment that produces hot air, hot water, steam, or other heated fluids by external combustion of fuel and to refuse burning equipment employed to burn any solid or liquid combustible refuse. At the time of permit renewal (7/22/10), this included B-4, B-5, H-3, H-6, H-11, H-201, H-202, H-901, H-801(a, b, c), H-804, H-1101, H-1102, H-1103, H-1104, and the space heaters and pressure washers listed as insignificant emission units in the statement of basis. Only B-4, H-11, and H-201 were capable of burning residual fuel oil.</p> <p>Note 2: Requirement I.A.13 applies to units using combustion for waste disposal, steam production, chemical recovery or other process requirements; but excludes open burning. At the time of permit renewal (7/22/10), this included B-4, B-5, H-3, H-6, H-11, H-201, H-202, H-901, H-801(a, b, c), H-804, H-1101, H-1102, H-1103, H-1104, and the space heaters and pressure washers listed as insignificant emission units.</p> <p>Note 3: Requirement I.A.14 applies to equipment used in a manufacturing process and to control equipment.</p> <p>Note 4: Requirement I.A.15 applies to emissions units using a procedure or a combination of procedures for the purpose of causing a change in material by either chemical or physical means, excluding combustion.)</p>						
<b>I.A.12</b>	Fuel burning equipment (see note 1 above) (included B-4, B-5, H-3, H-6, H-11, H-201, H-202, H-901, H-801(a, b, c), H-804, H-1101, H-1102, H-1103, H-1104)	PSCAA Reg. I: 9.09(a) ----- PSCAA Reg. I: 9.09 <i>Not federally enforceable</i>	4/9/98 ----- 3/25/04	Shall not emit particulate matter >0.05 gr/dscf corrected to 7% O <sub>2</sub> .	(see II.A.1)	PSCAA Method 5 (see Section IX.A)

Req. No.	Applies to	Applicable Requirement	Adoption or Effective Date	Requirement Paraphrase (Information Only)	Monitoring & Recordkeeping Procedures	Reference Test Method
<b>I.A.13</b>	Combustion and incineration sources (see note 2 above) (included B-4, B-5, H-3, H-6, H-11, H-201, H-202, H-901, H-801(a, b, c), H-804, H-1101, H-1102, H-1103, H-1104)	WAC 173-400-050(1) ----- WAC 173-400-050(1) <i>Not federally enforceable</i>	3/22/91 ----- 2/10/05	Shall not emit particulate matter >0.1 gr/dscf corrected to 7% O <sub>2</sub> .	(see II.A.1)	EPA Method 5 (see 40 CFR Part 60, App. A, 7/1/10)
<b>I.A.14</b>	Equipment used in a manufacturing process (see note 3 above)	PSCAA Reg. I: 9.09(a) ----- PSCAA Reg. I: 9.09 <i>Not federally enforceable</i>	4/9/98 ----- 3/25/04	Shall not emit particulate matter >0.05 gr/dscf.	(see II.A.1)	PSCAA Method 5 (see Section IX.A)
<b>I.A.15</b>	General process units (see note 4 above)	WAC 173-400-060 ----- WAC 173-400-060 <i>Not federally enforceable</i>	3/22/91 ----- 2/10/05	Shall not emit particulate matter >0.1 gr/dscf.	(see II.A.1)	EPA Method 5 (see 40 CFR Part 60, App. A, 7/1/10)
<b>I.A.16</b>	H-6, H-580, H-801(a, b, c), H-1101,	PSCAA Order of Approval No. 5712: Condition 4	12/22/94	Shall not emit PM <sub>10</sub> >0.010 gr/dscf @ 7% O <sub>2</sub> .	(see II.A.1)	PSCAA Method 5 (see Section IX.A)

Req. No.	Applies to	Applicable Requirement	Adoption or Effective Date	Requirement Paraphrase (Information Only)	Monitoring & Recordkeeping Procedures	Reference Test Method
	H-1102, H-1103, H-1104 H-1501					
<b>I.A.17</b>	B-4	PSCAA Order of Approval No. 5429: Condition 7	12/22/94	Shall not to emit PM <sub>10</sub> >0.010 gr/dscf @ 7% O <sub>2</sub> when fired on gas.	(see II.A.1)	PSCAA Method 5 (see Section IX.A)
<b>I.A.18</b>	B-5	PSCAA Order of Approval No. 5430: Condition 7	12/22/94	Shall not emit PM <sub>10</sub> >0.010 gr/dscf @ 7% O <sub>2</sub> .	(see II.A.1)	PSCAA Method 5 (see Section IX.A)
<b>I.A.19</b>	H-11	PSCAA Order of Approval No. 5448: Condition 7	12/22/94	Shall not emit PM <sub>10</sub> >0.010 gr/dscf @ 7% O <sub>2</sub> when fired on gas.	(see II.A.1)	PSCAA Method 5 (see Section IX.A)
<b>I.A.20</b>	H-201	PSCAA Order of Approval No. 5432: Condition 8	12/22/94	Shall not emit PM <sub>10</sub> >0.010 gr/dscf @ 7% O <sub>2</sub> when fired on gas.	(see II.A.1)	PSCAA Method 5 (see Section IX.A)

Req. No.	Applies to	Applicable Requirement	Adoption or Effective Date	Requirement Paraphrase (Information Only)	Monitoring & Recordkeeping Procedures	Reference Test Method
<b>Stationary Internal Combustion Engines (PM and Opacity)</b>						
<p>(Note 1: Requirement I.A.21 from 40 CFR Part 60, Subpart IIII, applies to all emergency stationary compression ignition internal combustion engines with a displacement &lt;30 liters per cylinder and a maximum engine power ≥50 hp ordered after July 11, 2005 and manufactured after 4/1/06 that are not fire pump engines. At the time of permit renewal (7/22/10), this included GE-2 and J-222.</p> <p>Note 2: Requirement I.A.22 from 40 CFR Part 60, Subpart IIII, applies to all stationary compression ignition internal combustion engines with a displacement &lt;30 liters per cylinder and a maximum engine power ≥50 hp ordered after July 11, 2005 and manufactured after 7/1/06 as a certified National Fire Protection Association fire pump engine. At the time of permit renewal (7/22/10), this included J-601A and J-601B.</p> <p>Note 3: Requirement I.A.23 from 40 CFR Part 60, Subpart IIII, applies to all stationary compression ignition internal combustion engines with a displacement &lt;30 liters per cylinder that use diesel fuel and meet the criteria in note 1 or 2 above. At the time of permit renewal (7/22/10), this included GE-2, J-222, J-601A and J-601B.)</p>						
<b>I.A.21</b>	Subpart IIII emergency engines >50 hp, 2007 model year or later, that are not fire pump engines (see note 1 above) (included GE-2, J-222)	40 CFR 89.112 40 CFR 89.113 40 CFR 60.4202(a)(2) [40 CFR 60.4205(b)] [40 CFR 63.6590(c)] ----- {PSCAA Reg. I: 6.11} {WAC 173-400-115} {PSCAA Reg. III: 2.02} {WAC 173-400-075} <i>Not federally enforceable</i>	7/13/05 10/23/98 7/11/06 7/11/06 1/18/08 ----- 9/26/02 6/8/07 9/26/02 6/8/07	Shall comply with the certification emission standards for new nonroad CI engines in 40 CFR 89.112 and 40 CFR 89.113. For 2007 and later model year engines rated at 130-560 kW ( <i>GE-2</i> ) that are not included in the engine family averaging, banking and trading program, the PM emission limit is 0.20 g/kW-hr. For 2007 model year engines rated at 37-74 kW ( <i>J-222</i> ) that are not included in the engine family averaging, banking and trading program, the PM emission limit is 0.40 g/kW-hr. The opacity limits for non-constant speed engines are: 20% during acceleration mode; 15% during lugging mode; and 50% during peaks in the acceleration or lugging modes.	(see II.A.8 - II.A.11)	40 CFR 89.6(b)(3) for PM 40 CFR Part 86, Subpart I, for opacity



Req. No.	Applies to	Applicable Requirement	Adoption or Effective Date	Requirement Paraphrase (Information Only)	Monitoring & Recordkeeping Procedures	Reference Test Method
<b>I.A.22</b>	Subpart IIII fire pump engines (see note 2 above) (included J-601A, J-601B)	40 CFR 60.4205(c) [40 CFR 63.6590(c)] ----- {PSCAA Reg. I: 6.11} {WAC 173-400-115} {PSCAA Reg. III: 2.02} {WAC 173-400-075} <i>Not federally enforceable</i>	7/11/06 1/18/08 ----- 9/26/02 6/8/07 9/26/02 6/8/07	Shall comply with the certification emission standards for stationary fire pump engines in Table 4 of 40 CFR Part 60, Subpart IIII. For 2009 and earlier model year engines rated at 100-174 hp ( <i>J-601A/B</i> ), the PM emission limit is 0.60 g/hp-hr.	(see II.A.8 - II.A.11)	40 CFR 89.6(b)(3), 6/24/08
<b>I.A.23</b>	Subpart IIII emergency engines (see note 1 above) (included GE-2, J-222, J-601A, J-601B)	40 CFR 80.510(b) 40 CFR 60.4207(b) ----- {PSCAA Reg. I: 6.11} {WAC 173-400-115} {PSCAA Reg. III: 2.02} {WAC 173-400-075} <i>Not federally enforceable</i>	7/15/05 7/11/06 ----- 9/26/02 6/8/07 9/26/02 6/8/07	Shall only use diesel fuel with either a cetane index $\geq 40$ or an aromatic content $\leq 35\%$ by volume.	Not required under the AOP but specified in 40 CFR Part 80, Subpart I	40 CFR 80.580, 12/8/08

Req. No.	Applies to	Applicable Requirement	Adoption or Effective Date	Requirement Paraphrase (Information Only)	Monitoring & Recordkeeping Procedures	Reference Test Method
<b>Fuel Oil</b>						
(Note 1: Requirement I.A.24 applies to fuel burning equipment that produces hot air, hot water, steam, or other heated fluids by external combustion of fuel and to refuse burning equipment employed to burn any solid or liquid combustible refuse. At the time of permit renewal (7/22/10), this included B-4, B-5, H-6, H-11, H-201, H-202, H-901, H-801(a, b, c), H-804, H-1101, H-1102, H-1103, H-1104, and the space heaters and pressure washers listed as insignificant emission units in the statement of basis. Only B-4, H-11, H-201 were capable of burning fuel oil. U.S. Oil had no refuse burning equipment.)						
<b>I.A.24</b>	Fuel burning equipment (see note 1 above) (included: B-4, H-11, H-201)	PSCAA Reg. I: 9.08(a) ----- PSCAA Reg. I: 9.08(a) <i>Not federally enforceable</i>	4/14/94 ----- 3/25/04	Shall not burn oil with >0.1% ash.	(see II.A.12)	ASTM D482
<b>Asphalt Transloading</b>						
<b>I.A.25</b>	Asphalt railcar loading rack demister	PSCAA Order of Approval No. 10053, Condition 7	7/8/09	Railcars may be loaded indirectly via asphalt trucks provided that such transloading does not exceed 14580 ton/yr.	(see II.A.7)	N/A
<b>Fugitive Dust</b>						
<b>I.A.26</b>	Emission units	PSCAA Reg. I: 9.15 WAC 173-400-040(3) WAC 173-400-040(8)(a) ----- WAC 173-400-040(3) WAC 173-400-040(8)(a) <i>Not federally enforceable</i>	3/11/99 9/20/93 9/20/93 ----- 2/10/05 2/10/05	Shall use reasonable precautions for fugitive dust control.	(see II.A.13)	N/A

Req. No.	Applies to	Applicable Requirement	Adoption or Effective Date	Requirement Paraphrase (Information Only)	Monitoring & Recordkeeping Procedures	Reference Test Method
Episode Avoidance Plan						
I.A.27	Facility-wide	SERP No. 08-71	5/14/73	<p>Shall, upon notification from Ecology of an air pollution episode:</p> <ul style="list-style-type: none"> <li>- <i>Forecast stage</i>: notify personnel and prepare to activate alert stage plan;</li> <li>- <i>Alert stage</i>: increase natural gas to 82% or more of total fuel and blow tubes when necessary only between noon and 4 pm;</li> <li>- <i>Warning stage</i>: increase natural gas to 90% or more of total fuel and switch remainder to 50% or more low sulfur fuel oil; and</li> <li>- <i>Emergency stage</i>: maximize natural gas combustion and switch remainder to 100% low sulfur fuel oil and shutdown refinery except for sufficient steam to protect plant and equipment.</li> </ul>	Not required.	N/A

**I.B. SULFUR OXIDES**

Req. No.	Applies to	Applicable Requirement	Adoption or Effective Date	Requirement Paraphrase (Information Only)	Monitoring & Recordkeeping Procedures	Reference Test Method
<b>Fuel Oil</b>						
<p>(Note 1: Requirement I.B.1 applies to fuel burning equipment that produces hot air, hot water, steam, or other heated fluids by external combustion of fuel and to refuse burning equipment employed to burn any solid or liquid combustible refuse. At the time of permit renewal (7/22/10), this included B-4, B-5, H-3, H-6, H-11, H-201, H-202, H-901, H-801(a, b, c), H-804, H-1101, H-1102, H-1103, H-1104, and the space heaters and pressure waters listed as insignificant emission units in the statement of basis. Only B-4, H-11, and H-201 were capable of burning fuel oil. At the time of permit renewal (7/22/10), U.S. Oil had no refuse burning equipment.)</p> <p>(Note 2: Requirement I.B.7 from 40 CFR Part 60, Subpart IIII, applies to all stationary compression ignition internal combustion engines with a displacement &lt;30 liters per cylinder ordered after July 11, 2005 that are either: a) manufactured after 4/1/06 and are not fire pump engines; b) manufactured as a certified National Fire Protection Association fire pump engine after 7/1/06; or c) modified or reconstructed after 7/11/05. At the time of permit renewal (7/22/10), this included GE-2, J-222, J-601A, and J-601B.)</p>						
<b>I.B.1</b>	Fuel burning equipment (see note above) (included: B-4,H-201, H-11)	PSCAA Reg. I: 9.08(a) ----- PSCAA Reg. I: 9.08(a) <i>Not federally enforceable</i>	4/14/94 ----- 3/25/04	Shall not burn oil that exceeds 2.00% sulfur.	(see II.B.1)	ASTM D4294
<b>I.B.2</b>	B-4	PSCAA Order of Approval No. 5429: Condition 5	12/22/94	Shall not burn >2,200,000 gallons of oil in B-4 during any 12-month period.	(see II.B.2, II.B.6)	N/A
<b>I.B.3</b>	B-5	PSCAA Order of Approval No. 5430: Condition 5	12/22/94	Shall not fire this boiler on oil.	Not required.	N/A

Req. No.	Applies to	Applicable Requirement	Adoption or Effective Date	Requirement Paraphrase (Information Only)	Monitoring & Recordkeeping Procedures	Reference Test Method
<b>I.B.4</b>	H-11	PSCAA Order of Approval No. 5448: Condition 5	12/22/94	Shall not burn >1,480,000 gallons of oil in H-11 during any 12-month period.	(see II.B.3, II.B.6)	N/A
<b>I.B.5</b>	H-201	PSCAA Order of Approval No. 5432: Condition 5	12/22/94	Shall not burn >1,435,000 gallons of oil in H-201 during any 12-month period.	(see II.B.4, II.B.6)	N/A
<b>I.B.6</b>	B-4, H-11, H-201	PSCAA Order of Approval No. 9153: Condition 8	3/24/05	The total mass of sulfur in the residual oil burned at the refinery shall not exceed 35,263 pounds during any consecutive 12 month period. <i>(Note: This corresponds to 196,832 gallons @ 2% sulfur.)</i>	(see II.B.5, II.B.6)	N/A
<b>I.B.7</b>	Subpart IIII engines (see note 2 above) (included GE-2, J-222, J-601A, J-601B)	40 CFR 80.510(b) 40 CFR 60.4207(b) [40 CFR 63.6590(c)] ----- {PSCAA Reg. I: 6.11} {WAC 173-400-115} {PSCAA Reg. III: 2.02} {WAC 173-400-075} <i>Not federally enforceable</i>	7/15/05 7/11/06 1/18/08 ----- 9/26/02 6/8/07 9/26/02 6/8/07	Shall only use diesel fuel with a sulfur content $\leq 15$ ppm.	Not required under the AOP but specified in 40 CFR Part 80, Subpart I	40 CFR 80.580

### Sulfur Dioxide

(Note: Requirements I.B.8 and I.B.9 apply to fuel burning equipment that produces hot air, hot water, steam, or other heated fluids by external combustion of fuel and to refuse burning equipment employed to burn any solid or liquid combustible refuse. At the time of permit renewal (7/22/10), this included B-4, B-5, H-3, H-6, H-11, H-201, H-202, H-901, H-801(a, b, c), H-804, H-1101, H-1102, H-1103, H-1104, and the space heaters and pressure waters listed as insignificant emission units in the statement of basis. Only B-4, H-11, and H-201 were capable of burning fuel oil. At the time of permit renewal (7/22/10), U.S. Oil had no refuse burning equipment.)

Req. No.	Applies to	Applicable Requirement	Adoption or Effective Date	Requirement Paraphrase (Information Only)	Monitoring & Recordkeeping Procedures	Reference Test Method
<b>I.B.8</b>	Sources, fuel burning equipment	PSCAA Reg. I: 9.07	4/14/94	Shall not emit SO <sub>2</sub> >1,000 ppm, dry, corrected to 7% O <sub>2</sub> for fuel burning equipment (see note above).	(see II.B.1, II.B.7 - II.B.31)	SO <sub>2</sub> : EPA Method 6C O <sub>2</sub> : EPA Method 3A (see 40 CFR Part 60, App. A, 7/1/10)
<b>I.B.9</b>	Emission units	WAC 173-400-040(6) ----- WAC 173-400-040(6) <i>Not federally enforceable</i>	9/20/93 ----- 2/10/05	Shall not emit SO <sub>2</sub> >1,000 ppm, dry, corrected to 7% O <sub>2</sub> for combustion sources, <i>(except when US Oil can demonstrate to Ecology or PSCAA that there is no feasible method of meeting this standard and that ambient air quality standards will not be exceeded. This exception is not federally enforceable.)</i>	(see II.B.1, II.B.7 - II.B.31)	SO <sub>2</sub> : EPA Method 6C O <sub>2</sub> : EPA Method 3A (see 40 CFR Part 60, App. A, 7/1/10)
<div>Claus Unit Tail Gas (SO<sub>2</sub>)</div> <p>(Note: Requirement I.B.12 from 40 CFR Part 63, Subpart UUU applies to each sulfur recovery unit and the tail gas treatment unit serving it, except sulfur recovery units that do not recover elemental sulfur or where the modified reaction is carried out in a water solution which contains a metal ion capable of oxidizing the sulfide ion to sulfur (e.g., the LO-CAT II process). At the time of permit renewal (7/22/10), this included SRU-2. It also applies to each bypass line serving a new, existing, or reconstructed catalytic cracking unit, catalytic reforming unit, or sulfur recovery unit that could divert an affected vent stream away from a control device used to comply with the requirements of this subpart. At the time of permit renewal (7/22/10), U.S. Oil had <b>0</b> bypass lines.)</p>						
<b>I.B.10</b>	H-580	PSCAA Order of Approval No. 5433: Condition 6  <i>PSCAA Order of Approval No. 5433: Condition 7</i>	4/10/95	Shall not emit SO <sub>2</sub> from the tail gas incinerator >250 ppm (dry, @ 0% O <sub>2</sub> ) on a 12-hr rolling avg. at all times when the tail gas treatment unit is in operation, and shall not emit SO <sub>2</sub> >1000 ppm (dry, @ 7% O <sub>2</sub> ) on a 1-hr rolling avg. at any time. <i>SO<sub>2</sub> emissions &gt;1000 ppm (dry) during startup and shutdown are unavoidable provided US Oil follows WAC 173-400-107.</i>	(see II.B.7 - II.B.20, II.B.27 - II.B.31)	EPA Methods 6C and 3A (see 40 CFR Part 60, App. A, 7/1/10)

Req. No.	Applies to	Applicable Requirement	Adoption or Effective Date	Requirement Paraphrase (Information Only)	Monitoring & Recordkeeping Procedures	Reference Test Method
<b>I.B.11</b>	SRU-2 H-580	PSCAA Order of Approval No. 5433: Condition 5	4/10/95	Shall operate the tail gas treatment unit at all times when the Claus unit is in operation except for periods of startup and shutdown, which shall not exceed 36 hr, and for “unavoidable” periods as defined by WAC 173-400-107.	(see II.B.8)	N/A
<b>I.B.12</b>	Subpart UUU sulfur recovery units (see note above) (included: SRU-2, H-580)	40 CFR 63.1568(a)(1)(i) 40 CFR 63.1570(g) { 40 CFR 63.4(a)(1) } ----- { PSCAA Reg. III: 2.02 } { WAC 173-400-075 } <i>Not federally enforceable</i>	4/11/02 4/20/06 4/5/02 ----- 9/26/02 6/8/07	Shall not emit SO <sub>2</sub> from the tail gas incinerator >250 ppm (dry, @ 0% O <sub>2</sub> ) on a 12-hr rolling avg. Consistent with §§63.6(e) and 63.7(e)(1), deviations that occur during a period of startup, shutdown, or malfunction are not violations if US Oil demonstrates to PSCAA’s satisfaction that US Oil was operating in accordance with §63.6(e)(1) (see II.H.5, II.I.4). PSCAA will determine whether deviations that occur during a period of startup, shutdown, or malfunction are violations, according to the provisions in §63.6(e).	(see II.B.7 - II.B.20, II.B.27 - II.B.31)	EPA Methods 6 or 6C, and 3A or 3B (see 40 CFR Part 60, App. A, 7/1/10)

Req. No.	Applies to	Applicable Requirement	Adoption or Effective Date	Requirement Paraphrase (Information Only)	Monitoring & Recordkeeping Procedures	Reference Test Method
<b>Fuel Gas (H<sub>2</sub>S)</b>						
(Note: Requirement I.B.14 from 40 CFR Part 60, Subpart J, applies to fuel gas combustion devices [process heaters, boilers and flares used to combust any gas which is generated at a petroleum refinery, except facilities in which gases are combusted to produce sulfur or sulfuric acid] which commence construction or modification after 6/11/73. At the time of permit renewal (7/22/10), this included B-4, B-5, F-1, F-2, H-3, H-6, H-11, H-201, H-202, H-901, H-1101, H-1102, H-1103, H-1104, H-580, and H-1501. Flare F-2 is an affected facility but it's exempt from the emission standard because it only combusts process upset gases or fuel gas that is released to the flare as a result of relief valve leakage or other emergency malfunctions and emissions associated with startups and shutdowns of CRU-2, Isom, and the DHU.)						
<b>I.B.13</b>	H-6	PSCAA Order of Approval No. 2960: Condition 5	9/22/87	Shall not burn fuel gas with >160 ppm (dry) H <sub>2</sub> S on a rolling 3-hr avg., as determined by CEMS.	(see II.B.21 - II.B.31)	EPA Methods 11, 15, 15A, or 16 (see 40 CFR Part 60, App. A, 7/1/10) 40 CFR 60.8, (2/12/99), 40 CFR 60.106(e), (6/24/08)



Req. No.	Applies to	Applicable Requirement	Adoption or Effective Date	Requirement Paraphrase (Information Only)	Monitoring & Recordkeeping Procedures	Reference Test Method
<b>I.B.14</b>	Subpart J fuel gas combustion devices (see note 1 above) (included: B-4, B-5, F-1, H-3, H-6, H-11, H-201, H-202, H-901, H-1101, H-1102, H-1103, H-1104, H-580, H-1501)	40 CFR 60.104(a)(1) ----- {PSCAA Reg. I: 6.11} {WAC 173-400-115} <i>Not federally enforceable</i>	6/24/08 ----- 9/26/02 6/8/07	Shall not burn fuel gas with >160 ppm H <sub>2</sub> S on a dry basis. (This standard does not apply to flaring of process upset gases or to fuel gas that is released to a flare as a result of relief valve leakage or other emergency malfunctions.)	(see II.B.21 - II.B.31)	EPA Methods 11, 15, 15A, or 16 (see 40 CFR Part 60, App. A, 7/1/10) 40 CFR 60.8, (2/12/99), 40 CFR 60.106(e), (6/24/08)
<b>I.B.15</b>	H-1101, H-1102, H-1103, H-1104	PSCAA Order of Approval No. 3023: Condition 4	3/16/88	Shall meet the requirements of 40 CFR Part 60, Subpart J.	(see II.B.21 - II.B.31)	N/A

Req. No.	Applies to	Applicable Requirement	Adoption or Effective Date	Requirement Paraphrase (Information Only)	Monitoring & Recordkeeping Procedures	Reference Test Method
<b>I.B.16</b>	H-3, H-202, H-901	PSCAA Order of Approval No. 9153: Condition 6	3/24/05	The concentration of H <sub>2</sub> S in the fuel gas burned shall not exceed 55 ppm on a 12-hour rolling average, as determined by the CEMS.	(see II.B.21 - II.B.31)	EPA Methods 11, 15, 15A, or 16 (see 40 CFR Part 60, App. A, 7/1/10) 40 CFR 60.8, (2/12/99), 40 CFR 60.106(e), (6/24/08)
		PSCAA Order of Approval No. 9343: Condition 6	3/29/06			
		PSCAA Order of Approval No. 10120: Condition 7	7/7/10			

**I.C. NITROGEN OXIDES and CARBON MONOXIDE**

Req. No.	Applies to	Applicable Requirement	Adoption or Effective Date	Requirement Paraphrase (Information Only)	Monitoring & Recordkeeping Procedures	Reference Test Method
Nitrogen Oxides (NO <sub>x</sub> )						
<b>I.C.1</b>	B-4	PSCAA Order of Approval No. 5429: Condition 6	12/22/94	Shall not emit NO <sub>x</sub> in excess of: 0.30 lb/MMBtu when fired on oil; 0.1 lb/MMBtu when fired on gas.	(see II.C.1)	EPA Methods 7E and 3A (see 40 CFR Part 60, App. A; 7/1/10)
<b>I.C.2</b>	B-5	PSCAA Order of Approval No. 5430: Condition 6	12/22/94	Shall not emit NO <sub>x</sub> in excess of 0.1 lb/MMBtu.	(see II.C.1)	EPA Methods 7E and 3A (see 40 CFR Part 60, App. A; 7/1/10)
<b>I.C.3</b>	H-11	PSCAA Order of Approval No. 5448: Condition 6	12/22/94	Shall not emit NO <sub>x</sub> in excess of: 0.30 lb/MMBtu when fired on oil; 0.10 lb/MMBtu when fired on gas.	(see II.C.1)	EPA Methods 7E and 3A (see 40 CFR Part 60, App. A; 7/1/10)
<b>I.C.4</b>	H-201	PSCAA Order of Approval No. 5432: Condition 7	12/22/94	Shall not emit NO <sub>x</sub> in excess of: 0.30 lb/MMBtu when fired on oil; 0.1 lb/MMBtu when fired on gas.	(see II.C.1)	EPA Methods 7E and 3A (see 40 CFR Part 60, App. A; 7/1/10)
<b>I.C.5</b>	H-3	PSCAA Order of Approval No. 9153: Condition 3	3/24/05	Shall not emit NO <sub>x</sub> in excess of 85 ppm @ 3% O <sub>2</sub> (0.100 lb/MMBtu), 1-hr average.	(see II.C.1)	EPA Methods 7E and 3A (see 40 CFR Part 60, App. A; 7/1/10)

Req. No.	Applies to	Applicable Requirement	Adoption or Effective Date	Requirement Paraphrase (Information Only)	Monitoring & Recordkeeping Procedures	Reference Test Method
<b>I.C.6</b>	H-202	PSCAA Order of Approval No. 9343: Condition 3	3/29/06	Shall not emit NOx in excess of 25 ppm @ 3% O <sub>2</sub> , 1-hr average.	(see II.C.1)	EPA Methods 7E and 3A (see 40 CFR Part 60, App. A; 7/1/10)
<b>I.C.7</b>	H-901	PSCAA Order of Approval No. 10120: Condition 3	7/7/10	Shall not emit NOx in excess of 25 ppm @ 3% O <sub>2</sub> , 1-hr average.	(see II.C.1)	EPA Methods 7E and 3A (see 40 CFR Part 60, App. A; 7/1/10)

Req. No.	Applies to	Applicable Requirement	Adoption or Effective Date	Requirement Paraphrase (Information Only)	Monitoring & Recordkeeping Procedures	Reference Test Method
<b>Stationary Internal Combustion Engines (NO<sub>x</sub> and CO)</b>						
<p>(Note 1: Requirement I.C.8 from 40 CFR Part 60, Subpart IIII, applies to all emergency stationary compression ignition internal combustion engines with a displacement &lt;30 liters per cylinder and a maximum engine power ≥50 hp ordered after July 11, 2005 and manufactured after 4/1/06 that are not fire pump engines. At the time of permit renewal (7/22/10), this included GE-2 and J-222.)</p> <p>(Note 2: Requirement I.C.9 from 40 CFR Part 60, Subpart IIII, applies to all stationary compression ignition internal combustion engines with a displacement &lt;30 liters per cylinder and a maximum engine power ≥50 hp ordered after July 11, 2005 and manufactured after 7/1/06 as a certified National Fire Protection Association fire pump engine. At the time of permit renewal (7/22/10), this included J-601A, and J-601B.)</p> <p>(Note 3: Requirement I.C.10 from 40 CFR Part 60, Subpart IIII, applies to all stationary compression ignition internal combustion engines with a displacement &lt;30 liters per cylinder ordered after July 11, 2005 that are either: a) manufactured after 4/1/06 and are not fire pump engines; b) manufactured as a certified National Fire Protection Association fire pump engine after 7/1/06; or c) modified or reconstructed after 7/11/05. At the time of permit renewal (7/22/10), this included GE-2, J-222, J-601A, and J-601B.)</p>						
<b>I.C.8</b>	Subpart IIII emergency engines (see note 1 above) (included GE-2, J-222)	40 CFR 89.112 40 CFR 60.4202(a)(2) [40 CFR 60.4205(b)] [40 CFR 63.6590(c)] ----- {PSCAA Reg. I: 6.11} {WAC 173-400-115} {PSCAA Reg. III: 2.02} {WAC 173-400-075} <i>Not federally enforceable</i>	7/13/05 7/11/06 7/11/06 1/18/08 ----- 9/26/02 6/8/07 9/26/02 6/8/07	Shall comply with the certification emission standards for new nonroad CI engines in 40 CFR 89.112. For 2007 and later model year engines rated at 130-560 kW ( <i>GE-2</i> ) that are not included in the engine family averaging, banking and trading program, the emission limits are: NMHC+NO <sub>x</sub> 4.0 g/kW-hr; and CO 3.5 g/kW-hr. For 2007 model year engines rated at 37-74 kW ( <i>J-222</i> ) that are not included in the engine family averaging, banking and trading program, the emission limits are: NMHC+NO <sub>x</sub> 7.5 g/kW-hr; and CO 5.0 g/kW-hr.	(see II.C.2 - II.C.5)	40 CFR Part 89, Subpart E

Req. No.	Applies to	Applicable Requirement	Adoption or Effective Date	Requirement Paraphrase (Information Only)	Monitoring & Recordkeeping Procedures	Reference Test Method
<b>I.C.9</b>	Subpart IIII fire pump engines (see note 2 above) (included J-601A, J-601B)	40 CFR 60.4205(c) [40 CFR 63.6590(c)] ----- {PSCAA Reg. I: 6.11} {WAC 173-400-115} {PSCAA Reg. III: 2.02} {WAC 173-400-075} <i>Not federally enforceable</i>	7/11/06 1/18/08 ----- 9/26/02 6/8/07 9/26/02 6/8/07	Shall comply with the certification emission standards for stationary fire pump engines in Table 4 of 40 CFR Part 60, Subpart IIII. For 2009 and earlier model year engines rated at 100-174 hp ( <i>J-601A/B</i> ), the NMHC+NO <sub>x</sub> emission limit is: NMHC+NO <sub>x</sub> 7.8 g/hp-hr; and CO 3.7 g/hp-hr.	(see II.C.2 - II.C.5)	40 CFR Part 89, Subpart E
<b>I.C.10</b>	Subpart IIII engines (see note 3 above) (included GE-2, J-222, J-601A, J-601B)	40 CFR 80.510(b) 40 CFR 60.4207(b) [40 CFR 63.6590(c)] ----- {PSCAA Reg. I: 6.11} {WAC 173-400-115} {PSCAA Reg. III: 2.02} {WAC 173-400-075} <i>Not federally enforceable</i>	7/15/05 7/11/06 1/18/08 ----- 9/26/02 6/8/07 9/26/02 6/8/07	Shall only use diesel fuel with either a cetane index ≥40 or an aromatic content ≤35% by volume.	Not required under the AOP but specified in 40 CFR Part 80, Subpart I	ASTM D-5453
<b>Carbon Monoxide (CO)</b>						
<b>I.C.11</b>	H-3	PSCAA Order of Approval No. 9153: Condition 4	3/24/05	Shall not emit CO in excess of 70 ppm @ 3% O <sub>2</sub> (0.050 lb/MMBtu), 1-hr average.	(see II.C.6)	EPA Methods 10 and 3A (see 40 CFR Part 60, App. A; 7/1/10)
<b>I.C.12</b>	H-202	PSCAA Order of Approval No. 9343: Condition 4	3/29/06	Shall not emit CO in excess of 50 ppm @ 3% O <sub>2</sub> , 1-hr average.	(see II.C.6)	EPA Methods 10 and 3A (see 40 CFR Part 60, App. A; 7/1/10)

Req. No.	Applies to	Applicable Requirement	Adoption or Effective Date	Requirement Paraphrase (Information Only)	Monitoring & Recordkeeping Procedures	Reference Test Method
I.C.13	H-901	PSCAA Order of Approval No. 10120: Condition 4	7/710	Shall not emit CO in excess of 50 ppm @ 3% O <sub>2</sub> , 1-hr average.	(see II.C.6)	EPA Methods 10 and 3A (see 40 CFR Part 60, App. A; 7/1/10)

**I.D. NUISANCE**

Req. No.	Applies to	Applicable Requirement	Adoption or Effective Date	Requirement Paraphrase (Information Only)	Monitoring & Recordkeeping Procedures	Reference Test Method
<b>Odor</b>						
<b>I.D.1</b>	Sources	WAC 173-400-040(4) <i>Not federally enforceable</i>	2/10/05	Shall employ recognized good practice and procedures to reduce odors to a reasonable minimum from sources that may unreasonably interfere with any other property owner's use and enjoyment of their property.	(see II.D.1)	N/A
<b>Detriment to Person or Property</b>						
<b>I.D.2</b>	Sources	WAC 173-400-040(5) ----- WAC 173-400-040(5) <i>Not federally enforceable</i>	9/20/93 ----- 2/10/05	Shall not emit any air contaminant if it is detrimental to the health, safety, or welfare of any person, or causes damage to property or business.	(see II.D.1)	N/A
<b>I.D.3</b>	Sources	PSCAA Reg. I: 9.11(a) <i>Not federally enforceable</i>	3/11/99	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.	(see II.D.1)	N/A
<b>Fallout</b>						
<b>I.D.4</b>	Sources	WAC 173-400-040(2) <i>Not federally enforceable</i>	2/10/05	Shall not deposit particulate matter beyond property boundary in sufficient quantity to unreasonably interfere with the use and enjoyment of the property.	(see II.D.1)	



**I.E. INORGANIC TOXIC AIR CONTAMINANTS and HAZARDOUS AIR POLLUTANTS**

Req. No.	Applies to	Applicable Requirement	Adoption or Effective Date	Requirement Paraphrase (Information Only)	Monitoring & Recordkeeping Procedures	Reference Test Method
<b>Fuel Oil</b>						
(Note: Requirement I.E.1 applies to fuel burning equipment that produces hot air, hot water, steam, or other heated fluids by external combustion of fuel and to refuse burning equipment employed to burn any solid or liquid combustible refuse. At the time of permit renewal (7/22/10), this included B-4, B-5, H-3, H-6, H-11, H-201, H-202, H-901, H-801(a, b, c), H-804, H-1101, H-1102, H-1103, H-1104, and the space heaters and pressure waters listed as insignificant emission units in the statement of basis. Only B-4, H-11, and H-201 were capable of burning residual fuel oil. At the time of permit renewal (7/22/10), US Oil had no refuse burning equipment.)						
<b>I.E.1</b>	Fuel burning equipment (see note above) (included: B-4, H-11, H-201)	PSCAA Reg. I: 9.08(a) ----- PSCAA Reg. I: 9.08(a)	4/14/94 ----- 3/25/04	Shall not burn oil that exceeds any of the following limits: lead 100 ppm(m) arsenic 5 ppm(m) cadmium 2 ppm(m) chromium 10 ppm(m) total halogens 1000 ppm(m) PCBs 2 ppm(m) flash point <100 °F.	Not required.	metals: UOP 389-86 halogens: EPA 9076 PCB: EPA 8080 flash pt: ASTM D93
<b>Hydrogen Chloride</b>						
(Note: Requirements I.E.3 and I.E.4 from 40 CFR Part 63, Subpart UUU, apply to emissions from catalytic reforming unit process vents that occur during depressuring and purging operations. This includes the process vents used during unit depressurization, purging, coke burn, catalyst rejuvenation, and reduction or activation purge. At the time of permit renewal, this included process vents on CRU-1 and CRU-2.)						
<b>I.E.2</b>	Equipment, combustion sources	PSCAA Reg. I: 9.10(a) <i>Not federally enforceable</i>	6/09/88	Shall not emit HCl >100 ppm (dry), corrected to 7% O <sub>2</sub> for combustion sources.	Not required.	HCl: EPA Method 26 O <sub>2</sub> : EPA Method 3A (see 40 CFR Part 60, App. A; 7/1/10)

Req. No.	Applies to	Applicable Requirement	Adoption or Effective Date	Requirement Paraphrase (Information Only)	Monitoring & Recordkeeping Procedures	Reference Test Method
<b>I.E.3</b>	Subpart UUU reformers (see note above) (included: CRU-1 CRU-2)	40 CFR 63.1567(a)(1)(ii) 40 CFR 63.1570(g) {40 CFR 63.4(a)(1)} ----- {PSCAA Reg. III: 2.02} {WAC 173-400-075} <i>Not federally enforceable</i>	2/9/05 4/20/06 4/5/02 ----- 9/26/02 6/8/07	Shall not emit HCl >30 ppm (dry), corrected to 3% O <sub>2</sub> during coke burn off and catalyst rejuvenation. Consistent with §§63.6(e) and 63.7(e)(1), deviations that occur during a period of startup, shutdown, or malfunction are not violations if US Oil demonstrates to PSCAA's satisfaction that US Oil was operating in accordance with §63.6(e)(1) (see II.H.5, II.I.4). PSCAA will determine whether deviations that occur during a period of startup, shutdown, or malfunction are violations, according to the provisions in §63.6(e).	(see II.E.1 - II.E.3)	EPA Method 26A for HCl and 3, 3A or 3B for O <sub>2</sub> (40 CFR part 60, App. A, 7/1/10) (see also §63.1567(b)(2), 2/9/05)
<b>I.E.4</b>	Subpart UUU reformers (see note above) (included: CRU-1 CRU-2)	40 CFR 1567(a)(2) 40 CFR 1567(c)(1) {40 CFR 63.4(a)(1)} ----- {PSCAA Reg. III: 2.02} {WAC 173-400-075} <i>Not federally enforceable</i>	2/9/05 2/9/05 4/5/02 ----- 9/26/02 6/8/07	Shall not emit HCl in excess of the colorimetric tube limit established during the performance test corresponding to 30 ppm HCl, corrected to 3% O <sub>2</sub> during coke burn off and catalyst rejuvenation.	(see II.E.1 - II.E.3)	EPA Method 26A for HCl and 3, 3A or 3B for O <sub>2</sub> (40 CFR part 60, App. A, 7/1/10) (see also §63.1567(b)(2), 2/9/05)

**I.F. VOLATILE ORGANIC COMPOUNDS and ORGANIC HAZARDOUS AIR POLLUTANTS**

Req. No.	Applies to	Applicable Requirement	Adoption or Effective Date	Requirement Paraphrase (Information Only)	Monitoring & Recordkeeping Procedures	Reference Test Method
<b>Wastewater – Process Drains (VOC)</b>						
(Note: Requirement I.F.1 from 40 CFR Part 60, Subpart QQQ, applies to process drains in individual drain systems and aggregate facilities for which construction, modification, or reconstruction was commenced after 5/4/87. At the time of permit renewal (7/22/10), this included the <b>32</b> process drains for the Isom Stabilizer, TK-471, TK-472, C-19, the north heat exchanger cleaning pad for pump J-1327, and the offload station for TK-471 and the API watercut drain. Tank waterdraw drains equipped with a tightly sealed cap when not in active service are not subject to this requirement.)						
<b>I.F.1</b>	Subpart QQQ process drains (see note above)	40 CFR 60.692-2(a)(1) [40 CFR 60.692-1(a)] [40 CFR 60.692-4] ----- {PSCAA Reg. I: 6.11} {WAC 173-400-115} <i>Not federally enforceable</i>	11/23/88 11/23/88 11/23/88 ----- 9/26/02 6/8/07	Shall equip with water seal controls (seal pot, p-leg trap, or other types of traps filled with water to create a barrier from the atmosphere).	(see II.F.1 - II.F.4, II.F.20 - II.F.23, II.F.28 - II.F.34)	N/A
<b>Wastewater – Junction Boxes (VOC)</b>						
(Note: Requirements I.F.2 and I.F.3 from 40 CFR Part 60, Subpart QQQ, apply to junction boxes (manholes, access points, lift stations) in individual drain systems and aggregate facilities for which construction, modification, or reconstruction was commenced after 5/4/87. At the time of permit renewal (7/22/10), this included <b>10</b> junction boxes for the individual drain systems for the Isom Stabilizer, TK-5003, TK-10010, TK-30005, TK-30006, TK-80001, TK-80002, TK-80003, TK-80004, TK-80020, TK-80021, TK-80022, TK-300001, TK-300002, C-19, and the north heat exchanger cleaning pad pump J-1327.)						
<b>I.F.2</b>	Subpart QQQ junction boxes (see note above)	40 CFR 60.692-2(b)(1) [40 CFR 60.692-1(a)] [40 CFR 60.692-4] ----- {PSCAA Reg. I: 6.11} {WAC 173-400-115} <i>Not federally enforceable</i>	11/23/88 11/23/88 11/23/88 ----- 9/26/02 6/8/07	Shall be equipped with a cover and may have an open vent pipe if the vent pipe is $\geq 3$ ft in length and $\leq 4$ " in diameter.	(see II.F.5 - II.F.6, II.F.20, II.F.21, II.F.24, II.F.28 - II.F.34)	N/A

Req. No.	Applies to	Applicable Requirement	Adoption or Effective Date	Requirement Paraphrase (Information Only)	Monitoring & Recordkeeping Procedures	Reference Test Method
<b>I.F.3</b>	Subpart QQQ junction boxes (see note above)	40 CFR 60.692-2(b)(2) [40 CFR 60.692-1(a)] [40 CFR 60.692-4] ----- {PSCAA Reg. I: 6.11} {WAC 173-400-115} <i>Not federally enforceable</i>	11/23/88 11/23/88 11/23/88 ----- 9/26/02 6/8/07	Shall be equipped with a tight seal around the edge that is kept in place at all times, except during inspection and maintenance.	(see II.F.5 - II.F.6, II.F.20, II.F.21, II.F.24, II.F.28 - II.F.34)	N/A
<b>I.F.4</b>	TK-80020, TK-80021, TK-80022, TK-300001, TK-300002	PSCAA Order of Approval No. 9580: Condition 6	3/16/07	Shall equip each junction box with a system to prevent the flow of organic vapors from the junction box vent pipe to the atmosphere during normal operation.	Not required.	N/A
<b>I.F.5</b>	TK-10010  TK-5003	PSCAA Order of Approval No. 9755: Condition 10  PSCAA Order of Approval No. 10029: Condition 10	2/29/08  4/28/09	Shall equip each junction box with a system to prevent the flow of organic vapors from the junction box vent pipe to the atmosphere during normal operation.	Not required.	N/A
<b>I.F.6</b>	North heat exchanger cleaning pad	PSCAA Order of Approval No. 9932: Condition 4	1/26/09	Shall equip each junction box with a system to prevent the flow of organic vapors from the junction box vent pipe to the atmosphere during normal operation.	Not required.	N/A
<b>I.F.7</b>	C-19 individual drain system	PSCAA Order of Approval No. 10153: Condition 4	3/24/10	Shall equip each junction box with a system to prevent the flow of organic vapors from the junction box vent pipe to the atmosphere during normal operation.	Not required.	N/A

Req. No.	Applies to	Applicable Requirement	Adoption or Effective Date	Requirement Paraphrase (Information Only)	Monitoring & Recordkeeping Procedures	Reference Test Method
<b>Wastewater – Sewer Lines (VOC)</b>						
(Note: Requirements I.F.8 and I.F.9 from 40 CFR Part 60, Subpart QQQ, apply to above-grade, lateral, trunk, and branch sewer lines in individual drain systems and aggregate facilities for which construction, modification, or reconstruction was commenced after 5/4/87. At the time of permit renewal (7/22/10), this included the above-grade sewer lines in the individual drain systems for the Isom Stabilizer, TK-5003, TK-10010, TK-30005, TK-30006, TK-80001, TK-80002, TK-80003, TK-80004, TK-80020, TK-80021, TK-80022, TK-300001, TK-300002, C-19, and the north heat exchanger cleaning pad pump J-1327.)						
<b>I.F.8</b>	Subpart QQQ sewer lines (see note above)	40 CFR 60.692-2(e) [40 CFR 60.692-1(a)] [40 CFR 60.692-4] ----- {PSCAA Reg. I: 6.11} {WAC 173-400-115} <i>Not federally enforceable</i>	11/23/88 11/23/88 11/23/88 ----- 9/26/02 6/8/07	Shall not route wastewater through a 'catch basin' (an open basin which serves as a single collection point for stormwater runoff received directly from refinery surfaces and for refinery wastewater from process drains).	(see II.F.7 - II.F.8, II.F.20, II.F.21, II.F.25, II.F.28 - II.F.34)	N/A
<b>I.F.9</b>	Subpart QQQ sewer lines (see note above)	40 CFR 60.692-2(c)(1) [40 CFR 60.692-1(a)] [40 CFR 60.692-4] ----- {PSCAA Reg. I: 6.11} {WAC 173-400-115} <i>Not federally enforceable</i>	11/23/88 11/23/88 11/23/88 ----- 9/26/02 6/8/07	Shall be covered or enclosed in a manner so as to have no visual gaps or cracks in joints, seals, or other emission interfaces.	(see II.F.7 - II.F.8, II.F.20, II.F.21, II.F.25, II.F.28 - II.F.34)	N/A

Req. No.	Applies to	Applicable Requirement	Adoption or Effective Date	Requirement Paraphrase (Information Only)	Monitoring & Recordkeeping Procedures	Reference Test Method
<b>Wastewater – Oil-Water Separator Tanks, Slop Oil Tanks, Storage Vessels and Auxiliary Equipment (VOC)</b>						
(Note: Requirements I.F.11 - I.F.16 from 40 CFR Part 60, Subpart QQQ, apply to the following sources in individual drain systems and aggregate facilities for which construction, modification, or reconstruction was commenced after 5/4/87: oil-water separator forebays, tanks (other than those subject to NSPS Subpart Kb) used to handle slop oil from the separator (until the oil is returned to a process unit or is disposed of), and to storage vessels and auxiliary equipment located between the individual drain systems and the oil-water separator. At the time of permit renewal (7/22/10), this included the API oil-water separator forebay, slop oil tanks TK-471, TK-472, three portable oil separation tanks, and the vacuum tank trucks used to transfer oily wastewater from the API separator to the recovered oil tanks or from tanks TK-30005 and TK-30006 to the API separator.)						
<b>I.F.10</b>	API oil-water separator	PSCAA Reg. II: 2.03(c)(1)	6/13/91	Shall equip the oil-water separator forebay with a fixed solid cover that has all openings sealed, totally enclosing the compartmented liquid contents.	(see II.F.9 - II.F.10, II.F.20, II.F.21, II.F.26, II.F.28 - II.F.34)	N/A
<b>I.F.11</b>	API oil-water separator	PSCAA Reg. II: 2.03(c)(3)	6/13/91	Shall have all access points closed with suitable covers when not in use. Shall have no visible gaps between the forebay cover and the compartment when the cover is closed.	(see II.F.9 - II.F.10, II.F.20, II.F.21, II.F.26, II.F.28 - II.F.34)	N/A

Req. No.	Applies to	Applicable Requirement	Adoption or Effective Date	Requirement Paraphrase (Information Only)	Monitoring & Recordkeeping Procedures	Reference Test Method
<b>I.F.12</b>	Subpart QQQ oil- water separator forebays and slop oil tanks (see note above) (included API oil- water separator forebay,. 3 portable oil separation tanks, TK- 471, TK- 472)	40 CFR 60.692-3(a)(1) 40 CFR 60.692-3(e) [40 CFR 60.693-2(c)] [40 CFR 60.692-1(a)] [40 CFR 60.692-4] ----- {PSCAA Reg. I: 6.11} {WAC 173-400-115} <i>Not federally enforceable</i>	10/17/00 10/17/00 8/18/95 11/23/88 11/23/88 ----- 9/26/02 6/8/07	Shall equip with a fixed roof with no separation between the roof and the wall.	(see II.F.9 - II.F.10, II.F.20, II.F.21, II.F.26, I.F.31 - II.F.34)	N/A

Req. No.	Applies to	Applicable Requirement	Adoption or Effective Date	Requirement Paraphrase (Information Only)	Monitoring & Recordkeeping Procedures	Reference Test Method
<b>I.F.13</b>	Subpart QQQ oil- water separator forebays and slop oil tanks (see note above) (included API oil- water separator forebay,. 3 portable oil separation tanks, TK-471, TK-472)	40 CFR 60.692-3(a)(2) 40 CFR 60.692-3(e) [40 CFR 60.693-2(c)] [40 CFR 60.692-1(a)] [40 CFR 60.692-4] ----- {PSCAA Reg. I: 6.11} {WAC 173-400-115} <i>Not federally enforceable</i>	10/17/00 10/17/00 8/18/95 11/23/88 11/23/88 ----- 9/26/02 6/8/07	Shall equip with a fixed roof that is not purged unless the vapor is directed to a control device. <i>(Note: The use of a vacuum pump to draw oily wastewater into a tank truck does not constitute purging of the vapor space in the tank.)</i>	(see II.F.9 - II.F.10, II.F.20, II.F.21, II.F.26, II.F.28 - II.F.34)	N/A



Req. No.	Applies to	Applicable Requirement	Adoption or Effective Date	Requirement Paraphrase (Information Only)	Monitoring & Recordkeeping Procedures	Reference Test Method
<b>I.F.14</b>	Subpart QQQ oil- water separator forebays and slop oil tanks (see note above) (included API oil- water separator forebay,. 3 portable oil separation tanks, TK-471, TK-472)	40 CFR 60.692-3(f) [40 CFR 60.693-2(c)] [40 CFR 60.692-1(a)] [40 CFR 60.692-4] ----- {PSCAA Reg. I: 6.11} {WAC 173-400-115} <i>Not federally enforceable</i>	10/17/00 8/18/95 11/23/88 11/23/88 ----- 9/26/02 6/8/07	May be equipped with a pressure control valve as necessary for proper system operation if the valve is set at the maximum pressure necessary for proper system operation and it does not vent continuously.	(see II.F.9 - II.F.10, II.F.20, II.F.21, II.F.26, II.F.28 - II.F.34)	N/A
<b>I.F.15</b>	Subpart QQQ slop oil tanks (see note above) (included TK-471, TK-472)	40 CFR 60.692-3(e) [40 CFR 60.693-2(c)] [40 CFR 60.692-1(a)] [40 CFR 60.692-4] ----- {PSCAA Reg. I: 6.11} {WAC 173-400-115} <i>Not federally enforceable</i>	10/17/00 8/18/95 11/23/88 11/23/88 ----- 9/26/02 6/8/07	Shall handle slop oil from the oil-water separator and oily wastewater from slop oil handling equipment in an enclosed system until the oil is returned to a process unit or is disposed of.	(see II.F.9 - II.F.10, II.F.20, II.F.21, II.F.26, II.F.28 - II.F.34)	N/A

Req. No.	Applies to	Applicable Requirement	Adoption or Effective Date	Requirement Paraphrase (Information Only)	Monitoring & Recordkeeping Procedures	Reference Test Method
<b>I.F.16</b>	Subpart QQQ oil- water separator forebays and slop oil tanks (see note above) (included API oil- water separator forebay,. 3 portable oil separation tanks, TK-471, TK-472)	40 CFR 60.692-3(a)(3) 40 CFR 60.692-3(e) [40 CFR 60.693-2(c)] [40 CFR 60.692-1(a)] [40 CFR 60.692-4] ----- {PSCAA Reg. I: 6.11} {WAC 173-400-115} <i>Not federally enforceable</i>	10/17/00 10/17/00 8/18/95 11/23/88 11/23/88 ----- 9/26/02 6/8/07	Shall equip with a fixed roof with all doors or openings gasketed, latched, and kept closed at all times except during inspection and maintenance.	(see II.F.9 - II.F.10, II.F.20, II.F.21, II.F.26, II.F.28 - II.F.34)	N/A

#### Wastewater – API Oil-Water Separator Floating Roof (VOC)

(Note: Requirements I.F.17 - I.F.19, I.F.21 - I.F.24, and I.F.26 - I.F.27 from 40 CFR Part 60, Subpart QQQ, apply to oil-water separators in aggregate facilities for which construction, modification, or reconstruction was commenced after 5/4/87. At the time of permit renewal (7/22/10), this included the API oil-water separator.)

Req. No.	Applies to	Applicable Requirement	Adoption or Effective Date	Requirement Paraphrase (Information Only)	Monitoring & Recordkeeping Procedures	Reference Test Method
<b>I.F.17</b>	Subpart QQQ oil-water separators (see note above) (included API oil-water separator)	40 CFR 60.693-2(a)(3) [40 CFR 60.692-1(a)] [40 CFR 60.692-4] ----- {PSCAA Reg. I: 6.11} {WAC 173-400-115} <i>Not federally enforceable</i>	8/18/95 11/23/88 11/23/88 ----- 9/26/02 6/8/07	Shall equip the oil-water separator with a floating roof that floats on the liquid at all times except during abnormal conditions (i.e., low flow rate).	(see II.F.11 - II.F.17, II.F.20, II.F.21, II.F.27 - II.F.34)	N/A
<b>I.F.18</b>	Subpart QQQ oil-water separators (see note above) (included API oil-water separator)	40 CFR 60.693-2(a)(1) [40 CFR 60.692-1(a)] [40 CFR 60.692-4] ----- {PSCAA Reg. I: 6.11} {WAC 173-400-115} <i>Not federally enforceable</i>	8/18/95 11/23/88 11/23/88 ----- 9/26/02 6/8/07	Shall equip the floating roof with a primary seal and a secondary seal.	(see II.F.11 - II.F.17, II.F.20, II.F.21, II.F.27 - II.F.34)	N/A
<b>I.F.19</b>	Subpart QQQ oil-water separators (see note above) (included API oil-water separator)	40 CFR 60.693-2(a)(1)(i)(A) [40 CFR 60.692-1(a)] [40 CFR 60.692-4] ----- {PSCAA Reg. I: 6.11} {WAC 173-400-115} <i>Not federally enforceable</i>	8/18/95 11/23/88 11/23/88 ----- 9/26/02 6/8/07	Shall equip the floating roof with a liquid-mounted primary seal or a mechanical shoe seal.	(see II.F.11 - II.F.17, II.F.20, II.F.21, II.F.27 - II.F.34)	N/A

Req. No.	Applies to	Applicable Requirement	Adoption or Effective Date	Requirement Paraphrase (Information Only)	Monitoring & Recordkeeping Procedures	Reference Test Method
<b>I.F.20</b>	API oil-water separator	PSCAA Reg. II: 2.03(c)(2)	6/13/91	Shall equip with a floating roof with closure seals that have no tears or leaks, installed and maintained so that gaps between the compartment wall and the seal shall not exceed 1/8" for an accumulative length of 97% of the perimeter of the compartment and so that no gap between the compartment wall and the seal exceeds 1/2".	(see II.F.11 - II.F.17, II.F.20, II.F.21, II.F.27 - II.F.34)	40 CFR 60.696(d)(1)(i) (see II.F.14)
<b>I.F.21</b>	Subpart QQQ oil-water separators (see note above) (included API oil-water separator)	40 CFR 60.693-2(a)(1)(i)(B) [40 CFR 60.692-1(a)] [40 CFR 60.692-4] ----- {PSCAA Reg. I: 6.11} {WAC 173-400-115} <i>Not federally enforceable</i>	8/18/95  11/23/88 11/23/88 ----- 9/26/02 6/8/07	Shall install and maintain the primary seal so that no gap between the compartment wall and the seal exceeds 1.5".	(see II.F.11 - II.F.17, II.F.20, II.F.21, II.F.27 - II.F.34)	40 CFR 60.696(d)(1)(i) (see II.F.14)
<b>I.F.22</b>	Subpart QQQ oil-water separators (see note above) (included API oil-water separator)	40 CFR 60.693-2(a)(1)(i)(C) [40 CFR 60.692-1(a)] [40 CFR 60.692-4] ----- {PSCAA Reg. I: 6.11} {WAC 173-400-115} <i>Not federally enforceable</i>	8/18/95  11/23/88 11/23/88 ----- 9/26/02 6/8/07	Shall install and maintain the primary seal so that the total gap area between the separator wall and the seal does not exceed 3.2 in <sup>2</sup> /ft separator wall perimeter.	(see II.F.11 - II.F.17, II.F.20, II.F.21, II.F.27 - II.F.34)	40 CFR 60.696(d)(1) (see II.F.14 - II.F.16)

Req. No.	Applies to	Applicable Requirement	Adoption or Effective Date	Requirement Paraphrase (Information Only)	Monitoring & Recordkeeping Procedures	Reference Test Method
<b>I.F.23</b>	Subpart QQQ oil-water separators (see note above) (included API oil-water separator)	40 CFR 60.693-2(a)(1)(ii)(A) [40 CFR 60.692-1(a)] [40 CFR 60.692-4] ----- {PSCAA Reg. I: 6.11} {WAC 173-400-115} <i>Not federally enforceable</i>	8/18/95  11/23/88 11/23/88 ----- 9/26/02 6/8/07	Shall install and maintain the <b>secondary seal</b> so that no gap between the compartment wall and the seal exceeds 1/2" at any point.	(see II.F.11 - II.F.17, II.F.20, II.F.21, II.F.27 - II.F.34)	40 CFR 60.696(d)(1)(i) (see II.F.14)
<b>I.F.24</b>	Subpart QQQ oil-water separators (see note above) (included API oil-water separator)	40 CFR 60.693-2(a)(1)(ii)(B) [40 CFR 60.692-1(a)] [40 CFR 60.692-4] ----- {PSCAA Reg. I: 6.11} {WAC 173-400-115} <i>Not federally enforceable</i>	8/18/95  11/23/88 11/23/88 ----- 9/26/02 6/8/07	Shall install and maintain the <b>secondary seal</b> so that the total gap area between the separator wall and the seal does not exceed 0.32 in <sup>2</sup> /ft separator wall perimeter.	(see II.F.11 - II.F.17, II.F.20, II.F.21, II.F.27 - II.F.34)	40 CFR 60.696(d)(1) (see II.F.14 - II.F.16)
<b>I.F.25</b>	API oil-water separator	PSCAA Reg. II: 2.03(c)(3)	6/13/91	Shall have all access points closed with suitable covers when not in use.	(see II.F.18 - II.F.21, II.F.28 - II.F.34)	N/A

Req. No.	Applies to	Applicable Requirement	Adoption or Effective Date	Requirement Paraphrase (Information Only)	Monitoring & Recordkeeping Procedures	Reference Test Method
<b>I.F.26</b>	Subpart QQQ oil-water separators (see note above) (included API oil-water separator)	40 CFR 60.693-2(a)(2) [40 CFR 60.692-1(a)] [40 CFR 60.692-4] ----- {PSCAA Reg. I: 6.11} {WAC 173-400-115} <i>Not federally enforceable</i>	8/18/95 11/23/88 11/23/88 ----- 9/26/02 6/8/07	Shall equip each opening in the floating roof with a gasketed cover, seal, or lid, which shall be closed at all times except during inspection and maintenance and as provided in §60.693-2(a)(4) (see I.F.27).	(see II.F.18 - II.F.21, II.F.28 - II.F.34)	N/A
<b>I.F.27</b>	Subpart QQQ oil-water separators (see note above) (included API oil-water separator)	40 CFR 60.693-2(a)(4) [40 CFR 60.692-1(a)] [40 CFR 60.692-4] ----- {PSCAA Reg. I: 6.11} {WAC 173-400-115} <i>Not federally enforceable</i>	8/18/95 11/23/88 11/23/88 ----- 9/26/02 6/8/07	Shall equip each emergency roof drain with a slotted membrane fabric cover that covers ≥90% of the drain opening or a flexible fabric sleeve seal.	(see II.F.18 - II.F.21, II.F.28 - II.F.34)	N/A
<b>Process Unit Turnarounds (VOC)</b>						
<b>I.F.28</b>	Process units	PSCAA Reg. II: 2.03(d)(1)	6/13/91	Shall combust all VOC in the process unit prior to turnaround.	(see II.F.56)	N/A
<b>I.F.29</b>	Process units	PSCAA Reg. II: 2.03(d)(2)	6/13/91	Shall depressurize the unit to <5 psig before venting it to the ambient air prior to turnaround.	(see II.F.56)	N/A

Req. No.	Applies to	Applicable Requirement	Adoption or Effective Date	Requirement Paraphrase (Information Only)	Monitoring & Recordkeeping Procedures	Reference Test Method
<b>Vacuum-Producing Systems (VOC)</b>						
(Note: Requirement I.F.30 applies to all vacuum-producing systems in petroleum refining process units that contact VOC. At the time of permit renewal (7/22/10), US Oil had only 2 systems that met these criteria – the C-6 and C-201 vacuum ejectors. Since these streams are routed to the refinery fuel gas system, they are not miscellaneous process vents under 40 CFR Part 63, Subpart CC.)						
<b>I.F.30</b>	Vacuum-producing systems (see note above)	PSCAA Reg. II: 2.03(b)	6/13/91	Shall combust all noncondensable VOC from vacuum-producing systems.	Not required.	N/A
<b>Open-Ended Valves (VOC)</b>						
(Note: Requirement I.F.31 applies to all valves in petroleum refining process units [except for pressure relief valves, aspirator vents or other devices specifically required to be open for safety protection] having 1 side of the valve seat that contacts VOC and 1 side open to the atmosphere - either directly or through open piping. At the time of permit renewal (7/22/10), US Oil had <b>1,290</b> valves that met these criteria. Of these, <b>955</b> were subject to 40 CFR Part 63, Subpart CC.)						
<b>I.F.31</b>	Open-ended valves (see note above)	PSCAA Reg. II: 2.03(f)	6/13/91	Shall not install or operate a valve (except for pressure relief valves, aspirator vents or other devices required to be open for safety protection) at the end of a pipe or line containing VOC unless the pipe or line is sealed with a second suitable closure that is removed only when a sample is being taken or during maintenance operations.	Not required.	N/A
<b>Open-Ended Valves (HAP)</b>						
(Note: Requirements I.F.32, I.F.33 and I.F.34 from 40 CFR Part 63, Subpart CC apply to all valves in petroleum refining process units [except for safety relief valves and valves on storage tanks] having 1 side of the valve seat that contacts $\geq 5\%$ by wt. organic HAP for $\geq 300$ hr/yr and 1 side open to the atmosphere - either directly or through open piping. At the time of permit renewal (7/22/10), US Oil had <b>955</b> valves that met these criteria. Of these, <b>955</b> were subject to PSCAA Reg. II, Section 2.03(f).)						
<b>I.F.32</b>	Subpart CC	40 CFR 60.482-6(a)	12/14/00	Shall equip with a cap, blind, flange, plug, or a second valve	Not required	N/A

Req. No.	Applies to	Applicable Requirement	Adoption or Effective Date	Requirement Paraphrase (Information Only)	Monitoring & Recordkeeping Procedures	Reference Test Method
	open ended valves (see note above)	[40 CFR 63.648(a)] [40 CFR 63.4(a)(1)] ----- {PSCAA Reg. III: 2.02} {WAC 173-400-075} <i>Not federally enforceable</i>	8/18/98 4/5/02 ----- 9/26/02 6/8/07	that shall seal the open end at all times except during operations requiring process fluid flow through the open-ended valve or line.		
<b>I.F.33</b>	Subpart CC open ended valves (see note above)	40 CFR 60.482-6(b) [40 CFR 63.648(a)] [40 CFR 63.4(a)(1)] ----- {PSCAA Reg. III: 2.02} {WAC 173-400-075} <i>Not federally enforceable</i>	12/14/00 8/18/98 4/5/02 ----- 9/26/02 6/8/07	Shall operate each open-ended valve or line equipped with a second valve in a manner such that the valve on the process fluid end is closed before the second valve is closed.	Not required	N/A
<b>I.F.34</b>	Subpart CC open ended valves (see note above)	40 CFR 60.482-6(c) [40 CFR 63.648(a)] [40 CFR 63.4(a)(1)] ----- {PSCAA Reg. III: 2.02} {WAC 173-400-075} <i>Not federally enforceable</i>	12/14/00 8/18/98 4/5/02 ----- 9/26/02 6/8/07	Shall comply with §60.482-6(a) (see I.F.32) at all times except that when a double block-and-bleed system is being used, the bleed valve or line may remain open during operations that require venting the line between the block valves.	Not required	N/A
<b>Sampling Connection Systems (HAP)</b>						
(Note: Requirements I.F.35 and I.F.36 apply to all sampling connection systems in petroleum refining process units [except for sample valves on storage tanks and non-extractive, <i>in situ</i> , sampling systems] that contact ≥5% by wt. HAP for ≥300 hr/yr. Equipment used to take nonroutine grab samples is not considered a sampling connection system. At the time of permit issuance (12/31/02), US Oil had <b>71</b> sampling connection systems that met these criteria.)						
<b>I.F.35</b>	Subpart CC sampling connection systems (see note)	40 CFR 60.482-5(a) [40 CFR 63.648(a)] [40 CFR 63.4(a)(1)] ----- {PSCAA Reg. III: 2.02} {WAC 173-400-075}	12/14/00 8/18/98 4/5/02 ----- 9/26/02	Shall equip each sampling connection system with a closed-purge or closed-loop system. <i>(Gases remaining in the tubing or piping between the closed-purge system valve(s) and sample container valve(s) after the valves are closed and the sample container is disconnected are</i>	Not required	N/A



Req. No.	Applies to	Applicable Requirement	Adoption or Effective Date	Requirement Paraphrase (Information Only)	Monitoring & Recordkeeping Procedures	Reference Test Method
	above)	<i>Not federally enforceable</i>	6/8/07	<i>not required to be collected or captured.)</i>		
<b>I.F.36</b>	Subpart CC sampling connection systems (see note above)	40 CFR 60.482-5(b) [40 CFR 63.648(a)] {40 CFR 63.4(a)(1)} ----- {PSCAA Reg. III: 2.02} {WAC 173-400-075} <i>Not federally enforceable</i>	12/14/00 8/18/98 4/5/02 ----- 9/26/02 6/8/07	Shall return the purged process fluid directly to the process line, or collect and recycle the purged process fluid to a process.	Not required	N/A
<b>Pressure Relief Valves in Gas/Vapor Service (HAP)</b>						
(Note: Requirement I.F.37 from 40 CFR 63 Part 63, Subpart CC applies to all pressure relief valves in petroleum refining process units that contact ≥5% by wt. HAP for ≥300 hr/yr which are in a gaseous state at operating conditions, except for pressure relief valves on storage tanks and for pressure relief valves equipped with a closed vent system capable of transporting any leakage to a flare. At the time of permit renewal (7/22/10), US Oil had <b>4</b> pressure relief valves that met these criteria. Of these, all <b>4</b> were subject to PSCAA Reg. II, Section 2.03(e).)						
<b>I.F.37</b>	Subpart CC pressure relief devices in gas/vapor service (see note above)	40 CFR 60.482-4(a) [40 CFR 63.648(a)] {40 CFR 63.4(a)(1)} ----- {PSCAA Reg. III: 2.02} {WAC 173-400-075} <i>Not federally enforceable</i>	12/14/00 8/18/98 4/5/02 ----- 9/26/02 6/8/07	Shall operate each pressure relief valve in gas/vapor service with no detectable emissions, as indicated by an instrument reading of <500 ppm above background, except during pressure releases.	(see II.F.85, II.F.102 - II.F.106, II.F.119 - II.F.120)	EPA Method 21 (see 40 CFR Part 60, App. A, 7/1/10) 40 CFR 60.485(b) and (c), (11/16/07)

Req. No.	Applies to	Applicable Requirement	Adoption or Effective Date	Requirement Paraphrase (Information Only)	Monitoring & Recordkeeping Procedures	Reference Test Method
<b>Closed-Vent System for Pumps, Pressure Relief Valves (HAP)</b>						
(Note: Requirement I.F.38 from 40 CFR Part 63, Subpart CC applies to the closed-vent system (flare manifold) downstream of all pressure relief valves in petroleum refining process units [except for pressure relief valves on storage tanks] that contact $\geq 5\%$ by wt. HAP for $\geq 300$ hr/yr which are in a gaseous state at operating conditions and that direct any emissions to a flare. These requirements also apply to the flare manifold (closed-vent system) downstream of all pumps in petroleum refining process units that contact $\geq 5\%$ by wt. HAP for $\geq 300$ hr/yr which is in a liquid state at operating conditions and where the vapor pressure of any components is $>0.04$ psia @ $20^\circ\text{C}$ and the total concentration of those components is $\geq 20\%$ by wt. (or where $>10\%$ evaporates @ $150^\circ\text{C}$ using ASTM Method D-86) and that direct any emissions to a flare. At the time of permit issuance (12/31/02), US Oil had <b>8</b> pumps and <b>9</b> pressure relief valves that met these criteria.)						
<b>I.F.38</b>	Subpart CC closed-vent system for pumps and pressure relief valves (see note above)	40 CFR 60.482-10(m) [40 CFR 60.482-10(a)] [40 CFR 63.648(a)] {40 CFR 63.4(a)(1)} ----- {PSCAA Reg. III: 2.02} {WAC 173-400-075} <i>Not federally enforceable</i>	12/14/00 12/14/00 8/18/98 4/5/02 ----- 9/26/02 6/8/07	Shall operate the closed-vent systems at all times when emissions may be vented to them.	(see II.F.102 - II.F.106, II.F.123, II.F.124, II.F.128 - II.F.137)	N/A
<b>Flares for Pumps, Pressure Relief Valves, Reformers (HAP)</b>						
(Note 1: Requirements I.F.39- I.F.42 from 40 CFR Part 63, Subpart CC apply to flares used to control any emissions from pressure relief valves in petroleum refining process units [except for pressure relief valves on storage tanks] that contact $\geq 5\%$ by wt. HAP for $\geq 300$ hr/yr which are in a gaseous state at operating conditions. These requirements also apply to flares used to control any emissions from pumps in petroleum refining process units that contact $\geq 5\%$ by wt. HAP for $\geq 300$ hr/yr which is in a liquid state at operating conditions and where the vapor pressure of any components is $>0.04$ psia @ $20^\circ\text{C}$ and the total concentration of those components is $\geq 20\%$ by wt. (or where $>10\%$ evaporates @ $150^\circ\text{C}$ using ASTM Method D-86). As of the date of permit renewal (7/22/10), both flares met these criteria.  Note 2: Requirements I.F.39- I.F.42 from 40 CFR Part 63, Subpart UUU applies to emissions from catalytic reforming unit process vents that occur during depressuring and purging operations (prior to the coke burn-off cycle) when the reactor vent pressure is $\geq 5$ psig. This includes the process vents used during unit depressurization, purging, coke burn, catalyst rejuvenation, and reduction or activation purge.)						
<b>I.F.39</b>	Subpart CC and UUU	40 CFR 60.18(c)(1) 40 CFR 63.11(b)(4)	10/17/00 4/5/02	Shall have no visible emissions, except for periods not to	Not required.	EPA Method 22

Req. No.	Applies to	Applicable Requirement	Adoption or Effective Date	Requirement Paraphrase (Information Only)	Monitoring & Recordkeeping Procedures	Reference Test Method
	flares (see notes 1 and 2 above) (included: F-1, F-2)	40 CFR 63.1566(c)(1) [40 CFR 63.1566(a)(1)(i)] [40 CFR 60.482-10(d)] [40 CFR 60.482-10(a)] [40 CFR 63.648(a)] {40 CFR 63.4(a)(1)} ----- {PSCAA Reg. III: 2.02} {WAC 173-400-075} <i>Not federally enforceable</i>	2/9/05 2/9/05 12/14/00 12/14/00 8/18/98 4/5/02 ----- 9/26/02 6/8/07	exceed a total of 5 minutes during any 2 consecutive hrs.		(see 40 CFR Part 60, App. A, 7/1/10); (see also 40 CFR 60.18(f)(1), 10/17/00)
<b>I.F.40</b>	Subpart CC and UUU flares (see notes 1 and 2 above) (included: F-1, F-2)	40 CFR 60.18(c)(2) 40 CFR 60.18(e) 40 CFR 60.482-10(m) 40 CFR 63.11(b)(3) 40 CFR 63.11(b)(5) 40 CFR 63.1566(a)(2) [40 CFR 63.1566(a)(1)(i)] [40 CFR 60.482-10(d)] [40 CFR 60.482-10(a)] [40 CFR 63.648(a)] {40 CFR 63.4(a)(1)} ----- {PSCAA Reg. III: 2.02} {WAC 173-400-075} <i>Not federally enforceable</i>	10/17/00 10/17/00 12/14/00 4/5/02 4/5/02 2/9/05 2/9/05 12/14/00 12/14/00 8/18/98 4/5/02 ----- 9/26/02 6/8/07	Shall have a flame present at all times when emissions may be vented to them.	(see II.F.94 - II.F.100, II.F.133 - II.F.137)	N/A
<b>I.F.41</b>	Subpart CC and UUU flares (see notes 1 and 2 above) (included: F-1, F-2)	40 CFR 60.18(c)(3)(ii) 40 CFR 63.11(b)(6)(ii) [40 CFR 63.1566(a)(1)(i)] [40 CFR 60.482-10(d)] [40 CFR 60.482-10(a)] [40 CFR 63.648(a)] {40 CFR 63.4(a)(1)} -----	10/17/00 4/5/02 2/9/05 12/14/00 12/14/00 8/18/98 4/5/02 -----	Shall have a net heating value >300 Btu/scf of gas burned.	Not required.	EPA Method 18 (see 40 CFR Part 60, Appendix A, 7/1/10); H <sub>2</sub> and CO by ASTM D1946-

Req. No.	Applies to	Applicable Requirement	Adoption or Effective Date	Requirement Paraphrase (Information Only)	Monitoring & Recordkeeping Procedures	Reference Test Method
		{PSCAA Reg. III: 2.02} {WAC 173-400-075} <i>Not federally enforceable</i>	9/26/02 6/8/07			77 or 90 (1994); (see also 40 CFR 60.18(f)(3), 10/17/00)
<b>I.F.42</b>	Subpart CC and UUU flares (see notes 1 and 2 above) (included: F-1, F-2)	40 CFR 60.18(c)(4)(ii) 40 CFR 63.11(b)(7)(ii) [40 CFR 63.1566(a)(1)(i)] [40 CFR 60.482-10(d)] [40 CFR 60.482-10(a)] [40 CFR 63.648(a)] {40 CFR 63.4(a)(1)} ----- {PSCAA Reg. III: 2.02} {WAC 173-400-075} <i>Not federally enforceable</i>	10/17/00 4/5/02 2/9/05 12/14/00 12/14/00 8/18/98 4/5/02 ----- 9/26/02 6/8/07	May have an exit velocity >60 ft/s but <400 ft/s if the net heating value of the gas burned is >1000 Btu/scf.	Not required.	EPA Method 2, 2A, 2C, or 2D (40 CFR Part 60, Appendix A, 7/1/10); (see also 40 CFR 60.18(f)(4), 10/17/00)

Req. No.	Applies to	Applicable Requirement	Adoption or Effective Date	Requirement Paraphrase (Information Only)	Monitoring & Recordkeeping Procedures	Reference Test Method
<b>Internal Floating Roof Storage Tanks – Floating Roofs</b>						
<p>(Note 1: Requirements I.F.44, I.F.45, and I.F.52 - I.F.57 from 40 CFR Part 60, Subpart Kb, apply to all tanks built after 7/23/84 with a capacity <math>\geq 19,813</math> gal (472 bbl) storing VOC with a maximum true vapor pressure <math>\geq 2.2</math> psia, and to tanks with a capacity <math>\geq 39,890</math> gal (950 bbl) storing VOC with a maximum true vapor pressure <math>\geq 0.51</math> psia, except for tank trucks, railcars, barges or ships; and pressure tanks designed to operate in excess of 29.72 psig without emissions to the atmosphere. However, the control requirements apply only to tanks with a capacity <math>\geq 19,813</math> gal (472 bbl) storing VOC with a maximum true vapor pressure <math>\geq 4.00</math> psia, and to tanks with a capacity <math>\geq 39,890</math> gal (950 bbl) storing VOC with a maximum true vapor pressure <math>\geq 0.75</math> psia. At the time of permit renewal (7/22/10), these control requirements applied to tanks TK-2004, TK-5003 and TK-10010. The requirements don't apply to TK-5003 when used for storing biodiesel.</p> <p>Note 2: Requirements I.F.43, I.F.47, I.F.48, and I.F.51 from PSCAA Regulation II, Section 3.02 apply all stationary storage tanks with a capacity <math>\geq 40,000</math> gal (952 bbl) storing VOC with a true vapor pressure <math>\geq 1.5</math> psia at actual monthly average storage temperatures as determined by the methods described in API Bulletin 2517. At the time of permit renewal (7/22/10), this included tanks TK-2004, TK-5003 and TK-10010.</p> <p>Note 3: At the time of permit renewal (7/22/10), TK-30005 was a Group 2 IFR tank [an EFR tank with a fixed roof over the floating roof] not subject to any floating roof requirements.)</p>						
<b>I.F.43</b>	IFR tanks $\geq 952$ bbl storing VOC $\geq 1.5$ psia (see note 2 above) (included: TK-2004)	PSCAA Reg. II: 3.02(b)(2)	7/8/99	Shall have the roof floating on the surface of the liquid at all times and shall be equipped with a primary seal that keeps the concentration of vapors above the float to $<50\%$ of the LEL measured as propane.	(see II.F.139, II.F.144, II.F.145)	EPA Method 21 (see 40 CFR Part 60, App. A, 7/1/10)

Req. No.	Applies to	Applicable Requirement	Adoption or Effective Date	Requirement Paraphrase (Information Only)	Monitoring & Recordkeeping Procedures	Reference Test Method
<b>I.F.44</b>	Subpart Kb IFR tanks ≥950 bbl storing VOC ≥0.75 psia or ≥472 bbl storing VOC ≥4.00 psia (see note 1 above) (included TK-2004, TK-5003 and TK-10010)	40 CFR 60.112b(a)(1)(i) ----- {PSCAA Reg. I: 6.11} {WAC 173-400-115} <i>Not federally enforceable</i>	10/8/97 ----- 9/26/02 6/8/07	Shall have the roof floating on the surface of the liquid at all times (except during initial fill and when the tank is completely emptied and subsequently refilled). Shall empty or refill the tank continuously and as rapidly as possible when the roof is resting on the leg supports.	Not required.	N/A
<b>I.F.45</b>	Subpart Kb IFR tanks ≥950 bbl storing VOC ≥0.75 psia or ≥472 bbl storing VOC ≥4.00 psia (see note 1 above) (included TK-2004, TK-5003 and TK-10010)	40 CFR 60.112b(a)(1)(ii) ----- {PSCAA Reg. I: 6.11} {WAC 173-400-115} <i>Not federally enforceable</i>	10/8/97 ----- 9/26/02 6/8/07	Shall have a mechanical shoe seal (or a liquid mounted primary seal or a primary and secondary seal).	Not required.	N/A

Req. No.	Applies to	Applicable Requirement	Adoption or Effective Date	Requirement Paraphrase (Information Only)	Monitoring & Recordkeeping Procedures	Reference Test Method
I.F.46	TK-10010	PSCAA Order of Approval No. 9755, Condition 8	2/29/08	The concentration of organic vapor in the vapor space above the internal floating-type cover shall not exceed 30% of its lower explosive limit (LEL).	(see II.F.139, II.F.144, II.F.145)	EPA Method 21 (see 40 CFR Part 60, App. A, 7/1/10)
	TK-5003	PSCAA Order of Approval No. 10029, Condition 8	4/28/09			
Internal Floating Roof Tanks - Primary Seals						
I.F.47	IFR tanks ≥952 bbl storing VOC ≥1.5 psia (see note 2 above) (included: TK-2004)	PSCAA Reg. II: 3.02(c)(1)	7/8/99	Shall have a primary seal with no visible holes, tears or other openings.	(see II.F.139, II.F.144, II.F.145)	N/A
I.F.48	IFR tanks ≥952 bbl storing VOC ≥1.5 psia (see note 2 above) (included: TK-2004)	PSCAA Reg. II: 3.02(c)(2)	7/8/99	Shall have a primary seal that meets the following: - No gaps between the tank shell and seal >1.5”; - No continuous gap >0.125“ that exceeds 10% of the circumference of the tank; - The cumulative length of all gaps >0.5” that exceeds 10% of the circumference of the tank; and - The cumulative length of all gaps >0.125“ shall not be >40% of the circumference of the tank.	(see II.F.139, II.F.144, II.F.145)	N/A
Internal Floating Roof Tanks – Secondary Seals						
I.F.49	TK-10010	PSCAA Order of Approval No. 9755, Condition 6	2/29/08	The secondary seal shall extend from the roof to the tank shell and shall not be attached to the primary seal.	(see II.F.139, II.F.144, II.F.145)	N/A

Req. No.	Applies to	Applicable Requirement	Adoption or Effective Date	Requirement Paraphrase (Information Only)	Monitoring & Recordkeeping Procedures	Reference Test Method
<b>I.F.50</b>	TK-5003	PSCAA Order of Approval No. 10029, Condition 6	4/28/09	The secondary seal shall extend from the roof to the tank shell and shall not be attached to the primary seal.	(see II.F.139, II.F.144, II.F.145)	N/A
<b>Internal Floating Roof Tanks - Deck Fittings</b>						
<b>I.F.51</b>	IFR tanks ≥952 bbl storing VOC ≥1.5 psia (see note 2 above) (included: TK-2004)	PSCAA Reg. II: 3.02(f)	7/8/99	Shall have automatic bleeder vents closed at all times except when the roof is floated off or landed on leg supports.	(see II.F.139, II.F.144, II.F.145)	N/A
<b>I.F.52</b>	Subpart Kb IFR tanks ≥950 bbl storing VOC ≥0.75 psia or ≥472 bbl storing VOC ≥4.00 psia (see note 1 above) (included TK-2004, TK-5003 and TK- 10010)	40 CFR 60.112b(a)(1)(iii) ----- {PSCAA Reg. I: 6.11} {WAC 173-400-115} <i>Not federally enforceable</i>	10/8/97 ----- 9/26/02 6/8/07	Shall equip each opening in the roof (except for automatic bleeder vents) with a projection below the liquid surface.	(see II.F.138, II.F.140, II.F.141, II.F.142, II.F.146, II.F.147)	N/A



Req. No.	Applies to	Applicable Requirement	Adoption or Effective Date	Requirement Paraphrase (Information Only)	Monitoring & Recordkeeping Procedures	Reference Test Method
<b>I.F.53</b>	Subpart Kb IFR tanks ≥950 bbl storing VOC ≥0.75 psia or ≥472 bbl storing VOC ≥4.00 psia (included TK-2004, TK-5003 and TK- 10010)	40 CFR 60.112b(a)(1)(iv) ----- {PSCAA Reg. I: 6.11} {WAC 173-400-115} <i>Not federally enforceable</i>	10/8/97 ----- 9/26/02 6/8/07	Shall equip each opening in the roof (except for leg sleeves, automatic bleeder vents, column wells, ladder wells, sample wells, and stub drains) with a cover, or lid which shall be closed (i.e., no visible gap) except when in actual use. Covers on each access hatch and automatic gauge float well shall be bolted except when in use.	(see II.F.138, II.F.140, II.F.141, II.F.142, II.F.146, II.F.147)	N/A
<b>I.F.54</b>	Subpart Kb IFR tanks ≥950 bbl storing VOC ≥0.75 psia or ≥472 bbl storing VOC ≥4.00 psia (see note 1 above) (included TK-2004, TK-5003 and TK- 10010)	40 CFR 60.112b(a)(1)(v) ----- {PSCAA Reg. I: 6.11} {WAC 173-400-115} <i>Not federally enforceable</i>	10/8/97 ----- 9/26/02 6/8/07	Shall equip automatic bleeder vents with a gasket and shall keep them closed at all times when the roof is floating, except when the roof is being floated off or landed on the roof leg supports.	(see II.F.138, II.F.140, II.F.141, II.F.142, II.F.146, II.F.147)	N/A

Req. No.	Applies to	Applicable Requirement	Adoption or Effective Date	Requirement Paraphrase (Information Only)	Monitoring & Recordkeeping Procedures	Reference Test Method
<b>I.F.55</b>	Subpart Kb IFR tanks ≥950 bbl storing VOC ≥0.75 psia or ≥472 bbl storing VOC ≥4.00 psia (see note 1 above) (included TK-2004, TK-5003 and TK- 10010)	40 CFR 60.112b(a)(1)(vii) ----- { PSCAA Reg. I: 6.11 } { WAC 173-400-115 } <i>Not federally enforceable</i>	10/8/97 ----- 9/26/02 6/8/07	Shall equip sampling wells with a slit fabric cover that covers ≥90% of the opening.	(see II.F.138, II.F.140, II.F.141, II.F.142, II.F.146, II.F.147)	N/A
<b>I.F.56</b>	Subpart Kb IFR tanks ≥950 bbl storing VOC ≥0.75 psia or ≥472 bbl storing VOC ≥4.00 psia (see note 1 above) (included TK-2004, TK-5003 and TK- 10010)	40 CFR 60.112b(a)(1)(viii) ----- { PSCAA Reg. I: 6.11 } { WAC 173-400-115 } <i>Not federally enforceable</i>	10/8/97 ----- 9/26/02 6/8/07	Shall equip column supports with a flexible fabric sleeve seal or a gasketed sliding cover.	(see II.F.138, II.F.140, II.F.141, II.F.142, II.F.146, II.F.147)	N/A

Req. No.	Applies to	Applicable Requirement	Adoption or Effective Date	Requirement Paraphrase (Information Only)	Monitoring & Recordkeeping Procedures	Reference Test Method
<b>I.F.57</b>	Subpart Kb IFR tanks ≥950 bbl storing VOC ≥0.75 psia or ≥472 bbl storing VOC ≥4.00 psia (see note 1 above) (included TK-2004, TK-5003 and TK- 10010)	40 CFR 60.112b(a)(1)(ix) ----- {PSCAA Reg. I: 6.11} {WAC 173-400-115} <i>Not federally enforceable</i>	10/8/97 ----- 9/26/02 6/8/07	Shall equip ladder wells with a gasketed sliding cover.	(see II.F.138, II.F.140, II.F.141, II.F.142, II.F.146, II.F.147)	N/A
<b>I.F.58</b>	TK-10010  TK-5003	PSCAA Order of Approval No. 9755, Condition 4  PSCAA Order of Approval No. 10029, Condition 4	2/29/08  4/28/09	Shall equip the slotted guidepole with a pole float with either a pole sleeve or a pole wiper. If a pole sleeve isn't employed, the seal of the pole float shall be higher than the pole wiper. The top of the guidepole shall be equipped with a gasketed cap which shall be closed at all times except when gauging or taking liquid samples.	(see II.F.138, II.F.140, II.F.141, II.F.142, II.F.146, II.F.147)	N/A
<b>I.F.59</b>	TK-10010  TK-5003	PSCAA Order of Approval No. 9755, Condition 5  PSCAA Order of Approval No. 10029, Condition 5	2/29/08  4/28/09	The adjustable roof legs shall be fitted with vapor seal boots or equivalent.	(see II.F.139, II.F.144, II.F.145)	N/A

Req. No.	Applies to	Applicable Requirement	Adoption or Effective Date	Requirement Paraphrase (Information Only)	Monitoring & Recordkeeping Procedures	Reference Test Method
<b>External Floating Roof Storage Tanks – Floating Roofs</b>						
<p>(Note 1: Requirements I.F.63 - I.F.65, I.F.67, I.F.69, I.F.71, I.F.74, I.F.78, I.F.80 and I.F.82 for Group 1 storage tanks apply to all tanks <math>\geq 46,758</math> gal (1113 bbl) capacity with a stored liquid maximum true vapor pressure <math>\geq 1.5</math> psia and annual avg. true vapor pressure <math>\geq 1.2</math> psia and annual avg. total organic HAP content <math>&gt;4\%</math> by wt. that are located in petroleum refining process units - except for tank trucks, railcars, barges, or ships; pressure tanks designed to operate in excess of 29.73 psig without emissions to the atmosphere; bottoms receiver tanks; wastewater tanks; and 40 CFR Part 60, Subpart Kb tanks. At the time of permit renewal (7/22/10), Group 1 EFR tanks included TK-13001, TK-14001, TK-14002, TK-30006, TK-80001, TK-80003, TK-80004, TK-80005, TK-80006, TK-80007, TK-80011, TK-80012, TK-80013, TK-80014, TK-80015, TK-80017, and TK-80018. Tanks TK-80017 and TK-80018 are NSPS Subpart Ka tanks but, as Group 1 tanks, they are exempt from the provisions of Subpart Ka per 40 CFR 63.640(n)(5).</p> <p>Note 2: Requirements I.F.62 and I.F.77 from 40 CFR Part 60, Subpart Kb apply to all tanks built after 7/23/84 with a capacity <math>\geq 19,813</math> gal (472 bbl) storing VOC with a maximum true vapor pressure <math>\geq 2.2</math> psia, and to tanks with a capacity <math>\geq 39,890</math> gal (950 bbl) storing VOC with a maximum true vapor pressure <math>\geq 0.51</math> psia, except for tank trucks, railcars, barges or ships; and pressure tanks designed to operate in excess of 29.73 psig without emissions to the atmosphere. However, the control requirements apply only to tanks with a capacity <math>\geq 19,813</math> gal (472 bbl) storing VOC with a maximum true vapor pressure <math>\geq 4.00</math> psia, and to tanks with a capacity <math>\geq 39,890</math> gal (950 bbl) storing VOC with a maximum true vapor pressure <math>\geq 0.75</math> psia. At the time of permit renewal (7/22/10), these control requirements applied to EFR tanks TK-15001 and TK-15002, TK-80020, TK-80021, TK-80022, TK-300001, and TK-300002. Tanks TK-14001 and TK-14002 are not subject to Subpart Kb but must comply with 60.112b(a)(2) pursuant to PSCAA Order of Approval No. 6536, Condition 4.</p> <p>Note 3: Requirements I.F.60, I.F.66, I.F.68, I.F.70, I.F.72, I.F.73, I.F.75, I.F.76, I.F.79, I.F.81, and I.F.83 from PSCAA Regulation II, Section 3.02 apply to all stationary storage tanks with a capacity <math>\geq 40,000</math> gal (952 bbl) storing VOC with a true vapor pressure <math>\geq 1.5</math> psia at actual monthly average storage temperatures as determined by the methods described in API Bulletin 2517. At the time of permit renewal (7/22/10), this included TK-13001, TK-14001, TK-14002, TK-15001, TK-15002, TK-30006, TK-80001, TK-80003, TK-80004, TK-80005, TK-80006, TK-80007, TK-80011, TK-80012, TK-80013, TK-80014, TK-80015, TK-80017, TK-80018, TK-80020, TK-80021, TK-80022, TK-300001, and TK-300002. At the time of permit renewal (7/22/10), there were no tanks subject to PSCAA Reg. II, Section 3.02 that were not either Group 1 storage tanks or Subpart Kb storage tanks.</p> <p>Note 4: Requirement I.F.61 from Chapter 173-491 WAC applies to all external floating roof tanks with a capacity <math>&gt;40,000</math> gal (952 bbl) storing gasoline. At the time of permit renewal (7/22/10), this included TK-30006. At the time of permit renewal (7/22/10), there were no such tanks subject to Chapter 173-491 WAC that were not either Group 1 storage tanks or Subpart Kb storage tanks.)</p>						

Req. No.	Applies to	Applicable Requirement	Adoption or Effective Date	Requirement Paraphrase (Information Only)	Monitoring & Recordkeeping Procedures	Reference Test Method
<b>I.F.60</b>	EFR tanks ≥952 bbl storing VOC ≥1.5 psia (see note 3 above) (included: TK-13001, TK-14001, TK-14002, TK-15001, TK-15002, TK-30006, TK-80001, TK-80003, TK-80004, TK-80005, TK-80006, TK-80007, TK-80011, TK-80012, TK-80013, TK-80014, TK-80015, TK-80017, TK-80018, TK-80020, TK-80021, TK-80022, TK-300001, TK-300002)	PSCAA Reg. II: 3.02(b)(1)	7/8/99	Shall have the roof floating on the surface of the liquid at all times and shall be equipped with a primary seal and a rim mounted secondary seal.	Not required.	N/A

Req. No.	Applies to	Applicable Requirement	Adoption or Effective Date	Requirement Paraphrase (Information Only)	Monitoring & Recordkeeping Procedures	Reference Test Method
<b>I.F.61</b>	EFR tanks >952 bbl storing gasoline (see note 4 above) (included: TK-30006)	WAC 173-491-040(1)(a) <i>Not federally enforceable</i>	1/23/98	Shall be equipped with a floating roof which rests upon and is supported by the petroleum liquid being contained, and is equipped with a closure seal or seals to close the space between the roof edge and tank wall.	Not required.	N/A
<b>I.F.62</b>	Subpart Kb EFR tanks ≥950 bbl storing VOC ≥0.75 psia or ≥472 bbl storing VOC ≥4.00 psia (see note 2 above) (included TK-15001, TK-15002, TK-14001, TK-14002, TK-80020, TK-80021, TK-80022, TK-300001, TK-300002)	40 CFR 60.112b(a)(2)(iii) [PSCAA Order of Approval No. 6536: Condition 4]* ----- {PSCAA Reg. I: 6.11} {WAC 173-400-115} <i>Not federally enforceable</i>	10/8/97  8/6/96 ----- 9/26/02 6/8/07	Shall have the roof floating on the surface of the liquid at all times (except during initial fill and when the tank is completely emptied and subsequently refilled) and shall be equipped with primary and secondary seals. Shall empty or refill the tank continuously and as rapidly as possible when the roof is resting on the leg supports.	Not required.	N/A

Req. No.	Applies to	Applicable Requirement	Adoption or Effective Date	Requirement Paraphrase (Information Only)	Monitoring & Recordkeeping Procedures	Reference Test Method
<b>I.F.63</b>	Group 1 EFR tanks (see note 1 above) (included: TK-13001, TK-14001, TK-14002, TK-30006, TK-80001, TK-80003, TK-80004, TK-80005, TK-80006, TK-80007, TK-80011, TK-80012, TK-80013, TK-80014, TK-80015, TK-80017, TK-80018)	40 CFR 63.119(c)(3) [40 CFR 63.119(a)(1)] [40 CFR 63.119(a)] [40 CFR 63.119(a)] [40 CFR 63.646(a)] [40 CFR 63.642(k)] [40 CFR 63.642(i)] {40 CFR 63.4(a)(1)} ----- {PSCAA Reg. III: 2.02} {WAC 173-400-075} <i>Not federally enforceable</i>	12/21/06 12/21/06 12/21/06 12/21/06 10/28/09 10/28/09 10/28/09 4/5/02 ----- 9/26/02 6/8/07	Shall have the roof floating on the surface of the liquid at all times (except during initial fill, after the tank has been completely emptied and degassed, and when the tank is completely emptied before being subsequently refilled).	Not required.	N/A

Req. No.	Applies to	Applicable Requirement	Adoption or Effective Date	Requirement Paraphrase (Information Only)	Monitoring & Recordkeeping Procedures	Reference Test Method
<b>I.F.64</b>	Group 1 EFR tanks (see note 1 above) (included: TK-13001, TK-14001, TK-14002, TK-30006, TK-80001, TK-80003, TK-80004, TK-80005, TK-80006, TK-80007, TK-80011, TK-80012, TK-80013, TK-80014, TK-80015, TK-80017, TK-80018)	40 CFR 63.119(c)(4) [40 CFR 63.119(a)(1)] [40 CFR 63.119(a)] [40 CFR 63.646(a)] [40 CFR 63.642(k)] [40 CFR 63.642(i)] {40 CFR 63.4(a)(1)} ----- {PSCAA Reg. III: 2.02} {WAC 173-400-075} <i>Not federally enforceable</i>	12/21/06 12/21/06 12/21/06 10/28/09 10/28/09 10/28/09 4/5/02 ----- 9/26/02 6/8/07	Shall fill, empty or refill the tank continuously and as rapidly as possible once the floating roof is resting on the leg supports.	Not required.	N/A



Req. No.	Applies to	Applicable Requirement	Adoption or Effective Date	Requirement Paraphrase (Information Only)	Monitoring & Recordkeeping Procedures	Reference Test Method
<b>I.F.65</b>	Group 1 EFR tanks (see note 1 above) (included: TK-13001, TK-14001, TK-14002, TK-30006, TK-80001, TK-80003, TK-80004, TK-80005, TK-80006, TK-80007, TK-80011, TK-80012, TK-80013, TK-80014, TK-80015, TK-80017, TK-80018)	40 CFR 63.119(c)(1) [40 CFR 63.119(a)(1)] [40 CFR 63.119(a)] [40 CFR 63.646(a)] [40 CFR 63.642(k)] [40 CFR 63.642(i)] {40 CFR 63.4(a)(1)} ----- {PSCAA Reg. III: 2.02} {WAC 173-400-075} <i>Not federally enforceable</i>	12/21/06 12/21/06 12/21/06 10/28/09 10/28/09 10/28/09 4/5/02 ----- 9/26/02 6/8/07	Shall be equipped with a secondary seal and a metallic shoe seal that completely covers the annular space between the floating roof and the tank wall in a continuous fashion (except during the inspections required by §63.120(b) (see II.F.158, II.F.160, II.F.169).	Not required.	N/A

Req. No.	Applies to	Applicable Requirement	Adoption or Effective Date	Requirement Paraphrase (Information Only)	Monitoring & Recordkeeping Procedures	Reference Test Method
External Floating Roof Tanks - Primary Seals						
<b>I.F.66</b>	EFR tanks ≥952 bbl storing VOC ≥1.5 psia (see note 3 above) (included: TK-13001, TK-14001, TK-14002, TK-15001, TK-15002, TK-30006, TK-80001, TK-80003, TK-80004, TK-80005, TK-80006, TK-80007, TK-80011, TK-80012, TK-80013, TK-80014, TK-80015, TK-80017, TK-80018, TK-80020, TK-80021, TK-80022, TK-300001, TK-300002)	PSCAA Reg. II: 3.02(c)(1)	7/8/99	Shall have a primary seal with no visible holes, tears or other openings.	(see II.F.156, II.F.176, II.F.177) (see also monitoring for Group 1 and Subpart Kb tanks II.F.152 - II.F.155, II.F.157, II.F.158, II.F.161 - II.F.166, II.F.168 - II.F.172, II.F.174, II.F.175, II.F.178 - II.F.181, II.F.187 - II.F.189)	N/A

Req. No.	Applies to	Applicable Requirement	Adoption or Effective Date	Requirement Paraphrase (Information Only)	Monitoring & Recordkeeping Procedures	Reference Test Method
<b>I.F.67</b>	Group 1 EFR tanks (see note 1 above) (included: TK-13001, TK-14001, TK-14002, TK-30006, TK-80001, TK-80003, TK-80004, TK-80005, TK-80006, TK-80007, TK-80011, TK-80012, TK-80013, TK-80014, TK-80015, TK-80017, TK-80018, TK-80020, TK-80021, TK-80022, TK-300001, TK-300002)	40 CFR 63.120(b)(5)(ii) [40 CFR 63.646(a)] [40 CFR 63.642(k)] [40 CFR 63.642(i)] {40 CFR 63.4(a)(1)} ----- {PSCAA Reg. III: 2.02} {WAC 173-400-075} <i>Not federally enforceable</i>	1/17/97 10/28/09 10/28/09 10/28/09 4/5/02 ----- 9/26/02 6/8/07	Shall have a primary seal with no visible holes, tears or other openings.	(see II.F.154, II.F.155, II.F.158, II.F.162 - II.F.164, II.F.166, II.F.169, II.F.171, II.F.175, II.F.187 - II.F.189)	N/A

Req. No.	Applies to	Applicable Requirement	Adoption or Effective Date	Requirement Paraphrase (Information Only)	Monitoring & Recordkeeping Procedures	Reference Test Method
<b>I.F.68</b>	EFR tanks ≥952 bbl storing VOC ≥1.5 psia (see note 3 above) (included: TK-13001, TK-14001, TK-14002, TK-15001, TK-15002, TK-30006, TK-80001, TK-80003, TK-80004, TK-80005, TK-80006, TK-80007, TK-80011, TK-80012, TK-80013, TK-80014, TK-80015, TK-80017, TK-80018, TK-80020, TK-80021, TK-80022, TK-300001, TK-300002)	PSCAA Reg. II: 3.02(c)(2)	7/8/99	Shall have a primary seal that meets the following: - No gaps between the tank shell and seal >1.5"; - No continuous gap >0.125" that exceeds 10% of the circumference of the tank; - The cumulative length of all gaps >0.5" that exceeds 10% of the circumference of the tank; and - The cumulative length of all gaps >0.125" shall not be >40% of the circumference of the tank.	(see II.F.156, II.F.176, II.F.177) (see also monitoring for Group 1 and Subpart Kb tanks II.F.152 - II.F.155, II.F.157, II.F.158, II.F.161 - II.F.166, II.F.168 - II.F.172, II.F.174, II.F.175, II.F.178 - II.F.181, II.F.187 - II.F.189)	N/A

Req. No.	Applies to	Applicable Requirement	Adoption or Effective Date	Requirement Paraphrase (Information Only)	Monitoring & Recordkeeping Procedures	Reference Test Method
<b>I.F.69</b>	Group 1 EFR tanks (see note 1 above) (included: TK-13001, TK-14001, TK-14002, TK-30006, TK-80001, TK-80003, TK-80004, TK-80005, TK-80006, TK-80007, TK-80011, TK-80012, TK-80013, TK-80014, TK-80015, TK-80017, TK-80018)	40 CFR 63.120(b)(5)(i) [40 CFR 63.646(a)] [40 CFR 63.642(k)] [40 CFR 63.642(i)] {40 CFR 63.4(a)(1)} ----- {PSCAA Reg. III: 2.02} {WAC 173-400-075} <i>Not federally enforceable</i>	1/17/97 10/28/09 10/28/09 10/28/09 4/5/02 ----- 9/26/02 6/8/07	Shall have one end of the metallic shoe extend into the stored liquid and the other end extend a minimum vertical distance of 24" above the stored liquid.	Not required.	N/A

Req. No.	Applies to	Applicable Requirement	Adoption or Effective Date	Requirement Paraphrase (Information Only)	Monitoring & Recordkeeping Procedures	Reference Test Method
External Floating Roof Tanks - Secondary Seals						
<b>I.F.70</b>	EFR tanks ≥952 bbl storing VOC ≥1.5 psia (see note 3 above) (included: TK-13001, TK-14001, TK-14002, TK-15001, TK-15002, TK-30006, TK-80001, TK-80003, TK-80004, TK-80005, TK-80006, TK-80007, TK-80011, TK-80012, TK-80013, TK-80014, TK-80015, TK-80017, TK-80018, TK-80020, TK-80021, TK-80022, TK-300001, TK-300002)	PSCAA Reg. II: 3.02(d)(1)	7/8/99	Shall have a secondary seal with no visible holes, tears or other openings.	(see II.F.156, II.F.176, II.F.177) (see also monitoring for Group 1 and Subpart Kb tanks II.F.152 - II.F.155, II.F.159, II.F.160 - II.F.165, II.F.167 - II.F.171, II.F.173 - II.F.175, II.F.178 - II.F.181, II.F.187 - II.F.189)	N/A

Req. No.	Applies to	Applicable Requirement	Adoption or Effective Date	Requirement Paraphrase (Information Only)	Monitoring & Recordkeeping Procedures	Reference Test Method
<b>I.F.71</b>	Group 1 EFR tanks (see note 1 above) (included: TK-13001, TK-14001, TK-14002, TK-30006, TK-80001, TK-80003, TK-80004, TK-80005, TK-80006, TK-80007, TK-80011, TK-80012, TK-80013, TK-80014, TK-80015, TK-80017, TK-80018)	40 CFR 63.120(b)(6)(ii) [40 CFR 63.646(a)] [40 CFR 63.642(k)] [40 CFR 63.642(i)] {40 CFR 63.4(a)(1)} ----- {PSCAA Reg. III: 2.02} {WAC 173-400-075} <i>Not federally enforceable</i>	1/17/97 10/28/09 10/28/09 10/28/09 4/5/02 ----- 9/26/02 6/8/07	Shall have a secondary seal with no holes, tears, or other openings.	(see II.F.154, II.F.155, II.F.160, II.F.162 - II.F.164, II.F.167, II.F.169, II.F.171, II.F.175, II.F.187 - II.F.189)	N/A

Req. No.	Applies to	Applicable Requirement	Adoption or Effective Date	Requirement Paraphrase (Information Only)	Monitoring & Recordkeeping Procedures	Reference Test Method
<b>I.F.72</b>	EFR tanks ≥952 bbl storing VOC ≥1.5 psia (see note 3 above) (included: TK-13001, TK-14001, TK-14002, TK-15001, TK-15002, TK-30006, TK-80001, TK-80003, TK-80004, TK-80005, TK-80006, TK-80007, TK-80011, TK-80012, TK-80013, TK-80014, TK-80015, TK-80017, TK-80018, TK-80020, TK-80021, TK-80022, TK-300001, TK-300002)	PSCAA Reg. II: 3.02(d)(2)	7/8/99	Shall have a secondary seal that is intact and uniformly in place between the roof and tank wall.	(see II.F.156, II.F.176, II.F.177) (see also monitoring for Group 1 and Subpart Kb tanks II.F.152 - II.F.155, II.F.159, II.F.160 - II.F.165, II.F.167 - II.F.171, II.F.173 - II.F.175, II.F.178 - II.F.181, II.F.187 - II.F.189)	N/A



Req. No.	Applies to	Applicable Requirement	Adoption or Effective Date	Requirement Paraphrase (Information Only)	Monitoring & Recordkeeping Procedures	Reference Test Method
<b>I.F.73</b>	EFR tanks ≥952 bbl storing VOC ≥1.5 psia (see note 3 above) (included: TK-13001, TK-14001, TK-14002, TK-15001, TK-15002, TK-30006, TK-80001, TK-80003, TK-80004, TK-80005, TK-80006, TK-80007, TK-80011, TK-80012, TK-80013, TK-80014, TK-80015, TK-80017, TK-80018, TK-80020, TK-80021, TK-80022, TK-300001, TK-300002)	PSCAA Reg. II: 3.02(d)(3)	7/8/99	Shall have a secondary seal that meets the following: No gaps between the tank shell and seal that exceed 0.5"; and The cumulative length of all gaps >0.125" shall not exceed 5% of the circumference of the tank.	(see II.F.156, II.F.176, II.F.177) (see also monitoring for Group 1 and Subpart Kb tanks II.F.152 - II.F.155, II.F.159, II.F.160 - II.F.165, II.F.167 - II.F.171, II.F.173 - II.F.175, II.F.178 - II.F.181, II.F.187 - II.F.189)	N/A

Req. No.	Applies to	Applicable Requirement	Adoption or Effective Date	Requirement Paraphrase (Information Only)	Monitoring & Recordkeeping Procedures	Reference Test Method
<b>I.F.74</b>	Group 1 EFR tanks (see note 1 above) (included: TK-13001, TK-14001, TK-14002, TK-30006, TK-80001, TK-80003, TK-80004, TK-80005, TK-80006, TK-80007, TK-80011, TK-80012, TK-80013, TK-80014, TK-80015, TK-80017, TK-80018)	40 CFR 63.120(b)(6)(i) [40 CFR 63.646(a)] [40 CFR 63.642(k)] [40 CFR 63.642(i)] {40 CFR 63.4(a)(1)} ----- {PSCAA Reg. III: 2.02} {WAC 173-400-075} <i>Not federally enforceable</i>	1/17/97 10/28/09 10/28/09 10/28/09 4/5/02 ----- 9/26/02 6/8/07	Shall have a secondary seal installed above the primary seal so that it completely covers the space between the roof edge and the tank wall except as provided in §63.120(b)(4) (see II.F.167).	(see II.F.154, II.F.155, II.F.160, II.F.162 - II.F.164, II.F.167, II.F.169, II.F.171, II.F.175, II.F.187 - II.F.189)	N/A

Req. No.	Applies to	Applicable Requirement	Adoption or Effective Date	Requirement Paraphrase (Information Only)	Monitoring & Recordkeeping Procedures	Reference Test Method
External Floating Roof Tanks - Deck Fittings						
<b>I.F.75</b>	EFR tanks ≥952 bbl storing VOC ≥1.5 psia (see note 3 above) (included: TK-13001, TK-14001, TK-14002, TK-15001, TK-15002, TK-30006, TK-80001, TK-80003, TK-80004, TK-80005, TK-80006, TK-80007, TK-80011, TK-80012, TK-80013, TK-80014, TK-80015, TK-80017, TK-80018, TK-80020, TK-80021, TK-80022, TK-300001, TK-300002)	PSCAA Reg. II: 3.02(e)(1)	7/8/99	Shall equip each opening in the floating roof (except for automatic bleeder vents and leg sleeves) with a cover, seal, or lid that is closed, except when in actual use.	(see II.F.156, II.F.176, II.F.177) (see also monitoring for Group 1 and Subpart Kb tanks II.F.153, II.F.155, II.F.168 - II.F.171, II.F.175, II.F.178 - II.F.181, II.F.187 - II.F.189)	N/A

Req. No.	Applies to	Applicable Requirement	Adoption or Effective Date	Requirement Paraphrase (Information Only)	Monitoring & Recordkeeping Procedures	Reference Test Method
<b>I.F.76</b>	EFR tanks ≥952 bbl storing VOC ≥1.5 psia (see note 3 above) (included: TK-13001, TK-14001, TK-14002, TK-15001, TK-15002, TK-30006, TK-80001, TK-80003, TK-80004, TK-80005, TK-80006, TK-80007, TK-80011, TK-80012, TK-80013, TK-80014, TK-80015, TK-80017, TK-80018, TK-80020, TK-80021, TK-80022, TK-300001, TK-300002)	PSCAA Reg. II: 3.02(e)(2)	7/8/99	Shall equip each opening in the floating roof (except for automatic bleeder vents and leg sleeves) with a projection below the liquid surface.	Not required.	N/A

Req. No.	Applies to	Applicable Requirement	Adoption or Effective Date	Requirement Paraphrase (Information Only)	Monitoring & Recordkeeping Procedures	Reference Test Method
<b>I.F.77</b>	Subpart Kb EFR tanks ≥950 bbl storing VOC ≥0.75 psia or ≥472 bbl storing VOC ≥4.00 psia (see note 2 above) (included TK-14001, TK-14002, TK-15001, TK-15002, TK-80020, TK-80021, TK-80022, TK-300001, TK-300002)	40 CFR 60.112b(a)(2)(ii) [PSCAA Order of Approval No. 6536: Condition 4]* ----- {PSCAA Reg. I: 6.11} {WAC 173-400-115} <i>Not federally enforceable</i>	10/8/97  8/6/96 ----- 9/26/02 6/8/07	Shall equip each opening in the roof (except for automatic bleeder vents) with a projection below the liquid surface. Shall equip each opening in the roof (except for automatic bleeder vents, roof drains and leg sleeves) with a gasketed cover, seal or lid which is closed (i.e., no visible gap) except when in actual use. Shall have automatic bleeder vents closed at all times when the roof is floating, except when the roof is being floated off or landed on the roof leg supports. Shall have rim vents set to open only when the roof is being floated off the roof legs supports (or at the manufacturer's recommended setting).	(see II.F.153, II.F.168, II.F.170, II.F.171, II.F.178 - II.F.181)	N/A

Req. No.	Applies to	Applicable Requirement	Adoption or Effective Date	Requirement Paraphrase (Information Only)	Monitoring & Recordkeeping Procedures	Reference Test Method
<b>I.F.78</b>	Group 1 EFR tanks (see note 1 above) (included: TK-13001, TK-14001, TK-14002, TK-30006, TK-80001, TK-80003, TK-80004, TK-80005, TK-80006, TK-80007, TK-80011, TK-80012, TK-80013, TK-80014, TK-80015, TK-80017, TK-80018)	40 CFR 63.646(f)(1) [40 CFR 63.642(k)] [40 CFR 63.642(i)] {40 CFR 63.4(a)(1)} ----- {PSCAA Reg. III: 2.02} {WAC 173-400-075} <i>Not federally enforceable</i>	10/28/09 10/28/09 10/28/09 4/5/02 ----- 9/26/02 6/8/07	Shall keep covers or lids installed on an opening on the floating roof closed except when the cover or lid shall be open for access.	(see II.F.155, II.F.169, II.F.171, II.F.175, II.F.187 - II.F.189)	N/A

Req. No.	Applies to	Applicable Requirement	Adoption or Effective Date	Requirement Paraphrase (Information Only)	Monitoring & Recordkeeping Procedures	Reference Test Method
<b>I.F.79</b>	EFR tanks ≥952 bbl storing VOC ≥1.5 psia (see note 3 above) (included: TK-13001, TK-14001, TK-14002, TK-15001, TK-15002, TK-30006, TK-80001, TK-80003, TK-80004, TK-80005, TK-80006, TK-80007, TK-80011, TK-80012, TK-80013, TK-80014, TK-80015, TK-80017, TK-80018, TK-80020, TK-80021, TK-80022, TK-300001, TK-300002)	PSCAA Reg. II: 3.02(f)	7/8/99	Shall have automatic bleeder vents closed at all times except when the roof is floated off or landed on leg supports.	(see II.F.156, II.F.176, II.F.177) (see also monitoring for Group 1 and Subpart Kb tanks II.F.153, II.F.155, II.F.168 - II.F.171, II.F.175, II.F.178 - II.F.181, II.F.187 - II.F.189)	N/A

Req. No.	Applies to	Applicable Requirement	Adoption or Effective Date	Requirement Paraphrase (Information Only)	Monitoring & Recordkeeping Procedures	Reference Test Method
<b>I.F.80</b>	Group 1 EFR tanks (see note 1 above) (included: TK-13001, TK-14001, TK-14002, TK-30006, TK-80001, TK-80003, TK-80004, TK-80005, TK-80006, TK-80007, TK-80011, TK-80012, TK-80013, TK-80014, TK-80015, TK-80017, TK-80018)	40 CFR 63.646(f)(3) [40 CFR 63.642(k)] [40 CFR 63.642(i)] {40 CFR 63.4(a)(1)} ----- {PSCAA Reg. III: 2.02} {WAC 173-400-075} <i>Not federally enforceable</i>	10/28/09 10/28/09 10/28/09 4/5/02 ----- 9/26/02 6/8/07	Shall have automatic bleeder vents closed at all times except when the roof is being floated off or landed on the leg supports.	(see II.F.155, II.F.169, II.F.171, II.F.175, II.F.187 - II.F.189)	N/A



Req. No.	Applies to	Applicable Requirement	Adoption or Effective Date	Requirement Paraphrase (Information Only)	Monitoring & Recordkeeping Procedures	Reference Test Method
<b>I.F.81</b>	EFR tanks ≥952 bbl storing VOC ≥1.5 psia (see note 3 above) (included: TK-13001, TK-14001, TK-14002, TK-15001, TK-15002, TK-30006, TK-80001, TK-80003, TK-80004, TK-80005, TK-80006, TK-80007, TK-80011, TK-80012, TK-80013, TK-80014, TK-80015, TK-80017, TK-80018, TK-80020, TK-80021, TK-80022, TK-300001, TK-300002)	PSCAA Reg. II: 3.02(g)	7/8/99	Shall set rim vents to open only when the roof is being floated off the leg supports (or at the manufacturer's recommended setting).	(see II.F.156, II.F.176, II.F.177) (see also monitoring for Group 1 and Subpart Kb tanks II.F.153, II.F.155, II.F.168 - II.F.171, II.F.175, II.F.178 - II.F.181, II.F.187 - II.F.189)	N/A

Req. No.	Applies to	Applicable Requirement	Adoption or Effective Date	Requirement Paraphrase (Information Only)	Monitoring & Recordkeeping Procedures	Reference Test Method
<b>I.F.82</b>	Group 1 EFR tanks (see note 1 above) (included: TK-13001, TK-14001, TK-14002, TK-30006, TK-80001, TK-80003, TK-80004, TK-80005, TK-80006, TK-80007, TK-80011, TK-80012, TK-80013, TK-80014, TK-80015, TK-80017, TK-80018)	40 CFR 63.646(f)(2) [40 CFR 63.642(k)] [40 CFR 63.642(i)] {40 CFR 63.4(a)(1)} ----- {PSCAA Reg. III: 2.02} {WAC 173-400-075} <i>Not federally enforceable</i>	10/28/09 10/28/09 10/28/09 4/5/02 ----- 9/26/02 6/8/07	Shall set rim vents to open only when the floating roof is not floating (or when the pressure beneath the rim seal exceeds the manufacturer's recommended setting).	(see II.F.155, II.F.169, II.F.171, II.F.175, II.F.187 - II.F.189)	N/A

Req. No.	Applies to	Applicable Requirement	Adoption or Effective Date	Requirement Paraphrase (Information Only)	Monitoring & Recordkeeping Procedures	Reference Test Method
<b>I.F.83</b>	EFR tanks ≥952 bbl storing VOC ≥1.5 psia (see note 3 above) (included: TK-13001, TK-14001, TK-14002, TK-15001, TK-15002, TK-30006, TK-80001, TK-80003, TK-80004, TK-80005, TK-80006, TK-80007, TK-80011, TK-80012, TK-80013, TK-80014, TK-80015, TK-80017, TK-80018, TK-80020, TK-80021, TK-80022, TK-300001, TK-300002)	PSCAA Reg. II: 3.02(h)	7/8/99	Shall equip any emergency roof drains with slotted membrane fabric covers (or equivalent) that cover ≥90% of the area of the opening. (This requirement does not apply to closed deck drains that carry rainwater from the surface of the deck through a flexible hose or piping system that runs through the stored liquid prior to exiting the tank. Drains that have been completely sealed off from the stored liquid have an equivalent cover.) <i>(Note: Only TK-13001 is equipped with an emergency roof drain.)</i>	(see II.F.156, II.F.176, II.F.177) (see also monitoring for Group 1 and Subpart Kb tanks II.F.153, II.F.155, II.F.168 - II.F.171, II.F.175, II.F.178 - II.F.181, II.F.187 - II.F.189)	N/A

Req. No.	Applies to	Applicable Requirement	Adoption or Effective Date	Requirement Paraphrase (Information Only)	Monitoring & Recordkeeping Procedures	Reference Test Method
<b>I.F.84</b>	TK-14001, TK-14002	PSCAA Order of Approval No. 6536: Condition 5	8/6/96	Shall paint the tank wall and roof white.	Not required.	N/A
<b>I.F.85</b>	TK-14001, TK-14002	PSCAA Order of Approval No. 6536: Condition 6	8/6/96	Shall equip guidepoles with gasketed covers and pole wipers.	(See II.F.156, II.F.176, II.F.177) (see also monitoring for Group 1 tanks II.F.155, II.F.169, II.F.171, II.F.175, II.F.187 – II.F.189)	N/A
<b>I.F.86</b>	TK-14001, TK-14002	PSCAA Order of Approval No. 6536: Condition 7	8/6/96	Shall equip automatic gauge float wells with gasketed, bolted covers.	(See II.F.156, II.F.176, II.F.177) (see also monitoring for Group 1 tanks II.F.155, II.F.169, II.F.171, II.F.175, II.F.187 – II.F.189)	N/A

Req. No.	Applies to	Applicable Requirement	Adoption or Effective Date	Requirement Paraphrase (Information Only)	Monitoring & Recordkeeping Procedures	Reference Test Method
<b>I.F.87</b>	TK-80020, TK-80021, TK-80022, TK-300001, TK-300002	PSCAA Order of Approval No. 9580, Condition 4	3/16/07	Shall design each cover on access hatches and gauge float wells to be bolted or fastened when closed.	(See II.F.156, II.F.176, II.F.177) (see also monitoring for Group 1 tanks II.F.155, II.F.169, II.F.171, II.F.175, II.F.187 – II.F.189)	N/A
<b>I.F.88</b>	TK-80020, TK-80021, TK-80022, TK-300001, TK-300002	PSCAA Order of Approval No. 9580, Condition 5	3/16/07	Shall equip each opening for a slotted guidepole with a pole wiper and either a pole float or a pole sleeve. The wiper or seal of the pole float (if used) shall be at or above the height of the pole wiper.	(See II.F.156, II.F.176, II.F.177) (see also monitoring for Group 1 tanks II.F.155, II.F.169, II.F.171, II.F.175, II.F.187 – II.F.189)	N/A

Req. No.	Applies to	Applicable Requirement	Adoption or Effective Date	Requirement Paraphrase (Information Only)	Monitoring & Recordkeeping Procedures	Reference Test Method
<b>Fixed Roof Tanks – Vapor Combustor</b>						
<p>(Note 1: Requirements I.F.93 and I.F.96 for Group 1 storage tanks apply to all tanks <math>\geq 46,800</math> gal (1110 bbl) capacity with a stored liquid maximum true vapor pressure <math>\geq 1.5</math> psia and annual avg. true vapor pressure <math>\geq 1.2</math> psia and annual avg. total organic HAP content <math>&gt;4\%</math> by wt. that are located in <i>petroleum refining process units</i> - except for tank trucks, railcars, barges, or ships; pressure tanks designed to operate in excess of 29.73 psig without emissions to the atmosphere; bottoms receiver tanks; wastewater tanks; and 40 CFR Part 60, Subpart Kb tanks. At the time of permit renewal (7/22/10), Group 1 tanks included TK-1804, TK-7501, and TK-10001, .</p> <p>Note 2: Requirements I.F.92 and I.F.95 from 40 CFR Part 60, Subpart Kb apply to all tanks built after 7/23/84 with a capacity <math>\geq 20,000</math> gal (470 bbl) storing VOC with a maximum true vapor pressure <math>\geq 2.2</math> psia, and to tanks with a capacity <math>\geq 39,900</math> gal (950 bbl) storing VOC with a maximum true vapor pressure <math>\geq 0.51</math> psia, except for tank trucks, railcars, barges or ships; and pressure tanks designed to operate in excess of 29.73 psig without emissions to the atmosphere. However, the control requirements apply only to tanks with a capacity <math>\geq 20,000</math> gal (470 bbl) storing VOC with a maximum true vapor pressure <math>\geq 4.00</math> psia, and to tanks with a capacity <math>\geq 39,900</math> gal (950 bbl) storing VOC with a maximum true vapor pressure <math>\geq 0.75</math> psia. At the time of permit renewal (7/22/10), these control requirements applied to TK-1805, TK-1806, TK-1807, TK-10002, TK-10003, TK-10004, TK-10006, TK-10008, and TK-20002. Tanks TK-471, TK-472, are too small to require controls. Note also that Order of Approval No. 9007 was issued to construct two 1800 barrel tanks, TK-1804 and TK-1807. The tanks were constructed as planned, however, TK-1804 was renamed TK-1805 because the existing TK-1805 had to be unexpectedly taken out of service. Tank TK-1805 was rebuilt and renamed TK-1804.</p> <p>The requirements of 40 CFR Part 60, Subpart Ka, apply to TK-30004 and TK-80019. However, its control requirements apply only to tanks storing VOC with a maximum true vapor pressure <math>\geq 1.5</math> psia. Neither of these tanks met this criteria at the time of permit renewal (7/22/10) and they are not expected to ever store volatile products. Subpart Ka requirements apply only to Group 2 tanks subject to the control requirements in Subpart Ka per 40 CFR 63.640(n)(6).</p> <p>Note 3: Requirement I.F.90 from PSCAA Regulation II, Section 3.02 applies to all stationary storage tanks with a capacity <math>\geq 40,000</math> gal (952 bbl) storing VOC with a true vapor pressure <math>\geq 1.5</math> psia at actual monthly average storage temperatures as determined by the methods described in API Bulletin 2517. At the time of permit renewal (7/22/10), this included TK-1804, TK-1805, TK-1806, TK-1807, TK-7501, TK-10001, TK-10002, TK-10003, TK-10004, TK-10006, TK-10008, and TK-20002. At the time of permit renewal (7/22/10), there were no tanks subject to PSCAA Reg. II, Section 3.02 that were not either Group 1 storage tanks or Subpart Kb storage tanks.</p> <p>Note 4: Requirement I.F.91 from Chapter 173-491 WAC applies to all fixed roof tanks with a capacity <math>&gt;40,000</math> gal storing gasoline. At the time of permit renewal (7/22/10), this included TK-10001, TK-10002, and TK-10008. At the time of permit renewal (7/22/10), there were no such tanks subject to Chapter 173-491 WAC that were not either Group 1 storage tanks or Subpart Kb storage tanks.)</p> <p>Note 5: Requirements I.F.98 - I.F.106 for the closed-vent system apply to the entire manifold from the Group 1 and Subpart Kb storage tanks to the vapor combustor, including the sections extending to the gasoline tank truck loading rack.)</p>						

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Req. No.	Applies to	Applicable Requirement	Adoption or Effective Date	Requirement Paraphrase (Information Only)	Monitoring & Recordkeeping Procedures	Reference Test Method
<b>I.F.89</b>	H-1501	PSCAA Order of Approval No. 4841: Condition 3	1/27/98	Shall operate the vapor combustor with the temperature controller set to maintain 1200 °F during normal operations (averaged over each operating cycle).	(See II.F.190 - II.F.195, II.F.220)	N/A
<b>I.F.90</b>	Fixed roof tanks ≥952 bbl storing VOC ≥1.5 psia (see note 3 above) (included: TK-1804, TK-1805, TK-1806, TK-1807, TK-7501, TK-10001, TK-10002, TK-10003, TK-10004, TK-10006, TK-10008, TK-20002)	PSCAA Reg. II: 3.02(b)(3)	7/8/99	Shall have a vapor recovery system that prevents the emission of ≥95% by wt. of VOC.	(for H-1501 see II.F.190 - II.F.195, II.F.220) (for closed-vent system see II.F.196 - II.F.214, II.F.219, II.F.220)	EPA Methods 1, 2A, 2B, 25A and 25B (see 40 CFR Part 60, App. A, 7/1/10)

Req. No.	Applies to	Applicable Requirement	Adoption or Effective Date	Requirement Paraphrase (Information Only)	Monitoring & Recordkeeping Procedures	Reference Test Method
<b>I.F.91</b>	Fixed roof tanks >952 bbl storing gasoline (see note 4 above) (included: TK-10001, TK-10002, TK-10008)	WAC 173-491-040(1)(a) <i>Not federally enforceable</i>	1/23/98	Shall have vapor collection and disposal system capable of processing all hydrocarbon vapors discharged from the tank.	(For H-1501, see II.F.190 - II.F.195, II.F.220) (for closed-vent system see II.F.196 - II.F.214, II.F.219, II.F.220)	EPA Methods 1, 2A, 2B, 25A and 25B (see 40 CFR Part 60, App. A, 7/1/10)
<b>I.F.92</b>	Subpart Kb fixed roof tanks ≥950 bbl storing VOC ≥0.51 psia or ≥472 bbl storing VOC ≥2.18 psia (see note 2 above) (included: TK-1805, TK-1806, TK-1807, TK-10002, TK-10003, TK-10004, TK-10006, TK-10008, TK-20002, H-1501)	40 CFR 60.112b(a)(3)(ii) ----- {PSCAA Reg. I: 6.11} {WAC 173-400-115} <i>Not federally enforceable</i>	10/8/97 ----- 9/26/02 6/8/07	Shall operate the vapor combustor to reduce inlet VOC emissions by ≥95%, except during startup, shutdown and malfunction.	(See II.F.190 - II.F.195, II.F.220)	EPA Methods 1, 2A, 2B, 25A and 25B (see 40 CFR Part 60, App. A, 7/1/10) 40 CFR 60.113b(c), 11/12/89



Req. No.	Applies to	Applicable Requirement	Adoption or Effective Date	Requirement Paraphrase (Information Only)	Monitoring & Recordkeeping Procedures	Reference Test Method
<b>I.F.93</b>	Group 1 fixed roof tanks (see note 1 above) (included: TK-1804, TK-7501, TK-10001, H-1501)	40 CFR 63.119(e) [40 CFR 63.119(a)(1)] 40 CFR 63.119(a) [40 CFR 63.646(a)] [40 CFR 63.642(k)] [40 CFR 63.642(i)] {40 CFR 63.4(a)(1)} ----- {PSCAA Reg. III: 2.02} {WAC 173-400-075} <i>Not federally enforceable</i>	12/21/06 12/21/06 12/21/06 10/28/09 10/28/09 10/28/09 4/5/02 ----- 9/26/02 6/8/07	Shall operate the vapor combustor to reduce inlet organic HAP emissions by $\geq 95\%$ , except during malfunctions and during periods of planned routine maintenance not exceeding 240 hr/yr.	(see II.F.190 - II.F.195, II.F.220)	EPA Methods 1, 2A, 2B, 25A and 25B (see 40 CFR Part 60, App. A, 7/1/10)
<b>I.F.94</b>	TK-1805, TK-1807  TK-10002  TK-20002	PSCAA Order of Approval No. 9007: Condition 4 PSCAA Order of Approval No. 9329: Condition 4 PSCAA Order of Approval No. 9679: Condition 4	6/04/04  12/16/05  8/31/07	Shall control VOC emissions with at least 98% efficiency.	(See II.F.190 - II.F.195, II.F.220)	EPA Methods 1, 2A, 2B, 25A and 25B (see 40 CFR Part 60, App. A, 7/1/10)

Req. No.	Applies to	Applicable Requirement	Adoption or Effective Date	Requirement Paraphrase (Information Only)	Monitoring & Recordkeeping Procedures	Reference Test Method
<b>I.F.95</b>	Subpart Kb fixed roof tanks ≥950 bbl storing VOC ≥0.51 psia or ≥472 bbl storing VOC ≥2.18 psia (see note 2 above) (included: TK-1805, TK-1806, TK-1807, TK-10002, TK-10003, TK-10004, TK-10006, TK-10008, TK-20002, H-1501)	40 CFR 60.113b(c)(2) ----- {PSCAA Reg. I: 6.11} {WAC 173-400-115} <i>Not federally enforceable</i>	8/11/89 ----- 9/26/02 6/8/07	Shall operate and maintain the vapor combustor such that the monitored temperature remains above 1200°F (averaged over each operating cycle).	(see II.F.190 - II.F.195, II.F.220)	N/A
<b>I.F.96</b>	Group 1 fixed roof tanks (see note 1 above) (included: TK-1804, TK-7501, TK-10001, H-1501)	40 CFR 63.120(d)(5) [40 CFR 63.646(a)] [40 CFR 63.646(g)] [40 CFR 63.642(k)] [40 CFR 63.642(i)] {40 CFR 63.4(a)(1)} ----- {PSCAA Reg. III: 2.02} {WAC 173-400-075} <i>Not federally enforceable</i>	1/17/97 10/28/09 10/28/09 10/28/09 10/28/09 4/5/02 ----- 9/26/02 6/8/07	Shall operate and maintain the vapor combustor such that the monitored temperature remains above 1200°F (averaged over each operating cycle).	(see II.F.190 - II.F.195, II.F.220)	N/A

Req. No.	Applies to	Applicable Requirement	Adoption or Effective Date	Requirement Paraphrase (Information Only)	Monitoring & Recordkeeping Procedures	Reference Test Method
<b>I.F.97</b>	Group 1 fixed roof tanks (see note 1 above) (included: TK-1804, TK-7501, TK-10001)	40 CFR 63.133(b)(1) [40 CFR 63.148(b)(3)] [40 CFR 63.120(d)(6)] [40 CFR 63.646(a)] [40 CFR 63.646(g)] [40 CFR 63.642(k)] [40 CFR 63.642(i)] {40 CFR 63.4(a)(1)} ----- {PSCAA Reg. III: 2.02} {WAC 173-400-075} <i>Not federally enforceable</i>	4/26/99 4/26/99 1/17/97 10/28/09 10/28/09 10/28/09 10/28/09 4/5/02 ----- 9/26/02 6/8/07	Shall maintain each opening in the fixed roof (e.g., access hatches, sampling ports, and gauge wells) in a closed position (e.g., covered by a lid) at all times except when it's necessary to use the opening for sampling, removal, or for equipment inspection, maintenance, or repair.	(see II.F.196 - II.F.214, II.F.219, II.F.220)	N/A
<b>Fixed Roof Tanks/Gasoline Tank Truck Loading Rack - Closed-Vent System</b>						
<b>I.F.98</b>	Closed-vent system (see note 5 above)	PSCAA Reg. II: 2.05(b)(2)	12/9/93	Shall equip the gasoline tank truck loading rack with vapor-tight fittings that close automatically upon disconnect.	(see II.F.196 - II.F.198, II.F.200 - II.F.214, II.F.219, II.F.220)	N/A
<b>I.F.99</b>	Closed-vent system (see note 5 above)	WAC 173-491-040(2)(b)(iv) <i>Not federally enforceable</i>	1/23/98	Shall equip the gasoline tank truck loading rack with fittings that close automatically upon disconnect.	(see II.F.196 - II.F.198, II.F.200 - II.F.214, II.F.219, II.F.220)	N/A

Req. No.	Applies to	Applicable Requirement	Adoption or Effective Date	Requirement Paraphrase (Information Only)	Monitoring & Recordkeeping Procedures	Reference Test Method
<b>I.F.100</b>	Closed-vent system (see note 5 above)	40 CFR 60.502(d) [40 CFR 63.422(a)] [40 CFR 63.650(a)] [40 CFR 63.642(k)] [40 CFR 63.642(i)] {40 CFR 63.4(a)(1)}  ----- {PSCAA Reg. III: 2.02} {WAC 173-400-075} <i>Not federally enforceable</i>	2/12/99 12/19/03 10/28/09 10/28/09 10/28/09 4/5/02  ----- 9/26/02 6/8/07	Shall equip the gasoline tank truck loading rack with fittings that close automatically upon disconnect.	(see II.F.196 - II.F.198, II.F.200 - II.F.214, II.F.219, II.F.220)	N/A
<b>I.F.101</b>	Closed-vent system (see note 5 above)	PSCAA Reg. II: 2.05(b)(4)	12/9/93	Shall not exceed 18" water gauge pressure in the closed-vent system, as measured as close as possible to the connection with the gasoline tank truck.	Not required.	40 CFR 60.503(d)(1), (12/19/03)
<b>I.F.102</b>	Closed-vent system (see note 5 above)	WAC 173-491-040(2)(c)(iii) <i>Not federally enforceable</i>	1/23/98	Shall not exceed 18" water gauge pressure in the closed-vent system, as measured as close as possible to the connection with the gasoline tank truck.	Not required.	40 CFR 60.503(d)(1), (2/14/89)
<b>I.F.103</b>	Closed-vent system (see note 5 above)	WAC 173-491-040(6)(b)(iii)(A)(I) <i>Not federally enforceable</i>	1/23/98	Shall not exceed 18" water gauge pressure and or -6" water gauge pressure in closed-vent system, as measured as close as possible to the connection with the gasoline tank truck.	Not required.	40 CFR 60.503(d)(1), (2/14/89)

Req. No.	Applies to	Applicable Requirement	Adoption or Effective Date	Requirement Paraphrase (Information Only)	Monitoring & Recordkeeping Procedures	Reference Test Method
<b>I.F.104</b>	Closed-vent system (see note 5 above)	40 CFR 60.502(h) [40 CFR 63.422(a)] [40 CFR 63.650(a)] [40 CFR 63.642(k)] [40 CFR 63.642(i)] {40 CFR 63.4(a)(1)} ----- {PSCAA Reg. III: 2.02} {WAC 173-400-075} <i>Not federally enforceable</i>	2/12/99 12/19/03 10/28/09 10/28/09 10/28/09 4/5/02 ----- 9/26/02 6/8/07	Shall not exceed 18" water gauge pressure in the closed-vent system, as measured as close as possible to the connection with the gasoline tank truck.	Not required.	40 CFR 60.503(d)(1), (2/14/89)
<b>I.F.105</b>	Closed-vent system (see note 5 above)	WAC 173-491-040(2)(b)(iii) WAC 173-491-040(6)(b)(iii)(A)(II) <i>Not federally enforceable</i>	1/23/98  1/23/98	Shall operate the closed-vent system and gasoline loading equipment such that the concentration of gasoline vapors is below the LEL (as propane) at all points a distance of 1" from potential leak sources.	(see II.F.196 - II.F.214, II.F.219, II.F.220)	EPA Method 21 (see 40 CFR Part 60, App. A, 7/1/10)
<b>I.F.106</b>	Closed-vent system (see note 5 above)	40 CFR 60.112b(a)(3)(i) ----- {PSCAA Reg. I: 6.11} {WAC 173-400-115} <i>Not federally enforceable</i>	10/8/97 ----- 9/26/02 6/8/07	Shall equip with a closed-vent system which collects all vapors discharged from the tank and is operated with no detectable emissions as indicated by an instrument reading of <500 ppm above background and visual inspections.	(see II.F.196 - II.F.214, II.F.219, II.F.220)	EPA Method 21 (see 40 CFR Part 60, App. A, 7/1/10) 40 CFR 60.485(b) and (c), (11/16/07) 40 CFR 63.148(c), (4/26/99)
<b>I.F.107</b>	Closed-vent system (see note 5 above)	40 CFR 60.113b(c)(2) ----- {PSCAA Reg. I: 6.11} {WAC 173-400-115} <i>Not federally enforceable</i>	8/11/89 ----- 9/26/02 6/8/07	Shall operate the closed-vent system in accordance with the operating plan approved by PSCAA.	(see II.F.196 - II.F.214, II.F.219, II.F.220)	N/A

Req. No.	Applies to	Applicable Requirement	Adoption or Effective Date	Requirement Paraphrase (Information Only)	Monitoring & Recordkeeping Procedures	Reference Test Method
<b>Gasoline Tank Truck Loading Rack</b>						
<b>I.F.108</b>	Gasoline tank truck loading rack	WAC 173-491-040(2)(b)(i) <i>Not federally enforceable</i>	1/23/98	Shall employ bottom loading.	Not required.	N/A
<b>I.F.109</b>	Gasoline tank truck loading rack	PSCAA Reg. II: 2.05(b)(1)	12/9/93	Shall employ bottom loading and a vapor recovery system.	Not required.	N/A
<b>I.F.110</b>	Gasoline tank truck loading rack	PSCAA Reg. II: 2.05(b)(2)	12/9/93	Shall equip the loading arms with fittings that close automatically upon disconnect.	Not required.	N/A
<b>I.F.111</b>	Gasoline tank truck loading rack	WAC 173-491-040(2)(b)(iv) <i>Not federally enforceable</i>	1/23/98	Shall equip the loading arms with fittings that close automatically upon disconnect.	Not required.	N/A
<b>I.F.112</b>	Gasoline tank truck loading rack	WAC 173-491-040(6)(b)(iii)(A)(III) <i>Not federally enforceable</i>	1/23/98	Shall operate the gasoline loading equipment such that $\leq 3$ drops per min of liquid leaks during loading.	(see II.F.221)	N/A
<b>I.F.113</b>	Gasoline tank truck loading rack	WAC 173-491-040(6)(b)(iii)(A)(IV) <i>Not federally enforceable</i>	1/23/98	Shall operate the gasoline loading equipment such that $\leq 15$ drops (10 ml) leak upon disconnect, averaged over 3 disconnects.	(see II.F.221)	N/A
<b>I.F.114</b>	Gasoline tank truck loading rack	PSCAA Reg. II: 2.05(b)(3)	12/9/93	Shall use the vapor balance system during the loading of all transport tanks.	Not required.	N/A
<b>I.F.115</b>	gasoline tank truck loading rack	WAC 173-491-040(2)(b)(ii) <i>Not federally enforceable</i>	1/23/98	Shall use the vapor balance system during the loading of all transport tanks.	Not required.	N/A

Req. No.	Applies to	Applicable Requirement	Adoption or Effective Date	Requirement Paraphrase (Information Only)	Monitoring & Recordkeeping Procedures	Reference Test Method
<b>I.F.116</b>	Gasoline tank truck loading rack	40 CFR 60.502(a) [40 CFR 63.422(a)] [40 CFR 63.650(a)] [40 CFR 63.642(k)] [40 CFR 63.642(i)] {40 CFR 63.4(a)(1)} ----- {PSCAA Reg. III: 2.02} {WAC 173-400-075} <i>Not federally enforceable</i>	2/12/99 12/19/03 10/28/09 10/28/09 10/28/09 4/5/02 ----- 9/26/02 6/8/07	Shall use the vapor balance system during the loading of all transport tanks.	Not required.	N/A
<b>I.F.117</b>	Gasoline tank truck loading rack	40 CFR 60.502(g) [40 CFR 63.422(a)] [40 CFR 63.650(a)] [40 CFR 63.642(k)] [40 CFR 63.642(i)] {40 CFR 63.4(a)(1)} ----- {PSCAA Reg. III: 2.02} {WAC 173-400-075} <i>Not federally enforceable</i>	2/12/99 12/19/03 10/28/09 10/28/09 10/28/09 4/5/02 ----- 9/26/02 6/8/07	Shall act to assure that the terminal's and the tank truck's vapor collection systems are connected during each loading (e.g., post signs).	Not required.	N/A
<b>I.F.118</b>	Gasoline tank truck loading rack	WAC 173-491-040(6)(b)(i) <i>Not federally enforceable</i>	1/23/98	Shall not allow loading of a gasoline transport tank unless a current annual leak test certification is on file with US Oil or a valid inspection sticker is displayed on the vehicle.	(see II.F.222 - II.F.228)	N/A

Req. No.	Applies to	Applicable Requirement	Adoption or Effective Date	Requirement Paraphrase (Information Only)	Monitoring & Recordkeeping Procedures	Reference Test Method
<b>I.F.119</b>	Gasoline tank truck loading rack	40 CFR 60.502(f) [40 CFR 63.422(a)] [40 CFR 63.650(a)] [40 CFR 63.642(k)] [40 CFR 63.642(i)] {40 CFR 63.4(a)(1)}  ----- {PSCAA Reg. III: 2.02} {WAC 173-400-075} <i>Not federally enforceable</i>	2/12/99 12/19/03 10/28/09 10/28/09 10/28/09 4/5/02  ----- 9/26/02 6/8/07	Shall act to assure that loadings of gasoline tank trucks are made only into tanks equipped with vapor collection equipment that is compatible with the terminal's vapor collection system.	(see II.F.222 - II.F.228)	N/A
<b>I.F.120</b>	Gasoline tank truck loading rack	WAC 173-491-040(6)(e) <i>Not federally enforceable</i>	1/23/98	Shall take reasonable precautions to prevent spilling, discarding in sewers, storing in open containers, or handling of gasoline in a manner that will result in evaporation to the ambient air.	Not required.	N/A



Req. No.	Applies to	Applicable Requirement	Adoption or Effective Date	Requirement Paraphrase (Information Only)	Monitoring & Recordkeeping Procedures	Reference Test Method
<b>Stationary Internal Combustion Engines (NMHC)</b>						
<p>(Note 1: Requirement I.F.121 from 40 CFR Part 60, Subpart IIII, applies to all emergency stationary compression ignition internal combustion engines with a displacement &lt;30 liters per cylinder and a maximum engine power ≥50 hp ordered after July 11, 2005 and manufactured after 4/1/06 that are not fire pump engines. At the time of permit renewal (7/22/10), this included GE-2 and J-222.)</p> <p>(Note 2: Requirement I.F.122 from 40 CFR Part 60, Subpart IIII, applies to all stationary compression ignition internal combustion engines with a displacement &lt;30 liters per cylinder and a maximum engine power ≥50 hp ordered after July 11, 2005 and manufactured after 7/1/06 as a certified National Fire Protection Association fire pump engine. At the time of permit renewal (7/22/10), this included J-601A, and J-601B.)</p>						
<b>I.F.121</b>	Subpart IIII emergency engines (see note 1 above) (included GE-2, J-222)	40 CFR 89.112 40 CFR 60.4202(a)(2) [40 CFR 60.4205(b)] [40 CFR 63.6590(c)] ----- {PSCAA Reg. I: 6.11} {WAC 173-400-115} {PSCAA Reg. III: 2.02} {WAC 173-400-075} <i>Not federally enforceable</i>	7/13/05 7/11/06 7/11/06 1/18/08 ----- 9/26/02 6/8/07 9/26/02 6/8/07	Shall comply with the certification emission standards for new nonroad CI engines in 40 CFR 89.112. For 2007 and later model year engines rated at 130-560 kW ( <i>GE-2</i> ) that are not included in the engine family averaging, banking and trading program, the NMHC+NO <sub>x</sub> emission limit is 4.0 g/kW-hr. For 2007 model year engines rated at 37-74 kW ( <i>J-222</i> ) that are not included in the engine family averaging, banking and trading program, the NMHC+NO <sub>x</sub> emission limit is 7.5 g/kW-hr.	(see II.F.232 - II.F.235)	40 CFR Part 89, Subpart E
<b>I.F.122</b>	Subpart IIII fire pump engines (see note 2 above) (included J-601A, J-601B)	40 CFR 60.4205(c) [40 CFR 63.6590(c)] ----- {PSCAA Reg. I: 6.11} {WAC 173-400-115} {PSCAA Reg. III: 2.02} {WAC 173-400-075} <i>Not federally enforceable</i>	7/11/06 1/18/08 ----- 9/26/02 6/8/07 9/26/02 6/8/07	Shall comply with the certification emission standards for stationary fire pump engines in Table 4 of 40 CFR Part 60, Subpart IIII. For 2009 and earlier model year engines rated at 100-174 bhp ( <i>J-601A/B</i> ), the NMHC+NO <sub>x</sub> emission limit is 7.8 g/hp-hr.	(see II.F.232 - II.F.235)	40 CFR Part 89, Subpart E

Req. No.	Applies to	Applicable Requirement	Adoption or Effective Date	Requirement Paraphrase (Information Only)	Monitoring & Recordkeeping Procedures	Reference Test Method
<b>Stationary Internal Combustion Engines (HAP)</b>						
(Note: Requirements I.F.123 and I.F.124 from 40 CFR Part 63, Subpart ZZZZ, applies to stationary RICE with a site rating $\leq 500$ bhp for which construction or reconstruction commenced before 6/12/06. At the time of permit renewal (7/22/10), this included J-250, which is rated at 185 bhp. <i>The compliance date is 5/3/13.</i> )						
<b>I.F.123</b>	Subpart ZZZZ existing stationary CI RICE $< 500$ bhp (see note above) (included J-250)	40 CFR 63.6602 {40 CFR 63.4(a)(1)} {40 CFR 63.4(a)(2)} ----- {PSCAA Reg. I: 6.11} {WAC 173-400-115} {PSCAA Reg. III: 2.02} {WAC 173-400-075} Not federally enforceable	3/3/10 4/5/02 4/5/02 ----- 9/26/02 6/8/07 9/26/02 6/8/07	Shall change oil and filter every 500 hr of operation or annually, whichever comes first (except as provided in §63.6625(i)). Shall inspect air cleaner every 1000 hr of operation or annually, whichever comes first. Shall inspect all hoses and belts every 500 hr of operation or annually, whichever comes first, and replace as necessary.	(see II.F.236 - II.F.239)	N/A
<b>I.F.124</b>	Subpart ZZZZ existing stationary CI RICE (see note above) (included J-250)	40 CFR 63.6625(h) 40 CFR 64.6602 {40 CFR 63.4(a)(1)} {40 CFR 63.4(a)(2)} ----- {PSCAA Reg. I: 6.11} {WAC 173-400-115} {PSCAA Reg. III: 2.02} {WAC 173-400-075} Not federally enforceable	3/3/10 3/3/10 4/5/02 4/5/02 ----- 9/26/02 6/8/07 9/26/02 6/8/07	Shall minimize the engine's time spent at idle during startup and minimize the engine's startup time to a period needed for appropriate and safe loading of the engine, not to exceed 30 min.	(see II.F.236 - II.F.239)	N/A

**I.G. OZONE-DEPLETING CHEMICALS**

Req. No.	Applies to	Applicable Requirement	Adoption or Effective Date	Requirement Paraphrase (Information Only)	Monitoring & Recordkeeping Procedures	Reference Test Method
<b>I.G.1</b>	Facility-wide (excludes: small appliances, motor vehicle air conditioners, MVAC-like appliances)	40 CFR 82.156 40 CFR 82.158 40 CFR 82.161	1/11/05 9/18/03 3/12/04	Shall comply with the following standards for recycling and emissions reduction pursuant to 40 CFR Part 82, Subpart F, except as provided for motor vehicle air conditioners in Subpart B: - Persons opening appliances for maintenance, service, repair, or disposal shall comply with the required practices pursuant to §82.156; - Equipment used during the maintenance, service, repair, or disposal of appliances shall comply with the standards for recycling and recovery equipment pursuant to §82.158; - Persons performing maintenance, service, repair, or disposal of appliances shall be certified by an approved technician certification program pursuant to §82.161.	40 CFR 82.166 (see II.G.1)	N/A
<b>I.G.2</b>	Facility-wide	40 CFR 82.174	1/13/95	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 SNAP.	Not required.	N/A
<b>I.G.3</b>	Motor vehicle, commercial, or industrial, air conditioning heating, or refrigeration systems	RCW 70.94.970(2) c199 §602 <i>Not federally enforceable</i>	1991	Shall use refrigerant extraction equipment to recover class I or class II substances (as listed in Section 602 of the FCAA) that would otherwise be released into the atmosphere.	Not required.	N/A

Req. No.	Applies to	Applicable Requirement	Adoption or Effective Date	Requirement Paraphrase (Information Only)	Monitoring & Recordkeeping Procedures	Reference Test Method
<b>I.G.4</b>	Motor vehicle, commercial, or industrial, air conditioning heating, or refrigeration systems	RCW 70.94.970(4) c199 §602 <i>Not federally enforceable</i>	1991	Shall not willfully release any class I or class II substances (as listed in Section 602 of the FCAA).	Not required.	N/A

## II. MONITORING AND RECORDKEEPING

The requirements in Section II of the permit are in a tabular format. The first column is used as an identifier for the requirement. The third and fourth columns in the following tables cite the applicable requirements and their adoption or effective dates, respectively. Applicable requirements shown in square brackets [ ] require compliance with the unbracketed requirement listed above it. Applicable requirements shown in parentheses { } require compliance with the entire part or subpart of the Code of Federal Regulations that the unbracketed requirement listed above it is in. Applicable requirements that are *not federally enforceable* are grouped together and listed underneath a dashed line.

Where the applicable requirements in Section I of the permit do not specify monitoring and recordkeeping methods and these methods are necessary to assure compliance, monitoring and recordkeeping requirements are established pursuant to WAC 173-401-615(1)(b), WAC 173-401-615(2)(a), and PSCAA Reg. I, Section 7.09(b). These requirements, as worded in the fifth column, are enforceable provisions of this permit and apply only to the units and activities specified in that column and to records made after the issuance of the permit.

The second column identifies the units and activities to which the requirement applies. Where the applicable requirement affects a category of units, the category is cited followed by a list of identification numbers of the equipment at US Oil known to be within that category at the time of permit renewal. In some cases, notes are used to clarify which units and activities the requirement applies to. But for requirements that apply to ‘sources’, ‘emission units’, ‘equipment’, ‘control equipment’, ‘equipment used in a manufacturing process’, and ‘general process units’, refer to the definitions used in the referenced statute, rule or regulation.

Except for the monitoring and recordkeeping established pursuant to WAC 173-401-615(1)(b), WAC 173-401-615(2)(a), and PSCAA Reg. I, Section 7.09(b), the fifth column paraphrases the applicable requirement. These requirement paraphrases are for information only and are not enforceable provisions of this permit. In the event of any conflict or omission between the requirement paraphrase and the applicable requirement cited in the third and fourth columns, the requirements and language of the actual statute or regulation cited shall govern. For more information regarding any of the applicable requirements cited in the third and fourth columns, refer to the actual statute or regulation cited.

For the purpose of defining ‘prompt’ with respect to repair of defective equipment and control equipment (see requirement II.I.1), it shall mean: repairing as soon as practicable but no later than 24 hours after being found defective, unless specified otherwise in Section II of this permit, or shutting down the equipment until it is repaired.

## II.A. OPACITY and PARTICULATE MATTER

Req. No.	Applies to	Applicable Requirement	Adoption or Effective Date	Requirement Paraphrase
Opacity and Mass Concentration				
II.A.1	B-4, B-5, H-3, H-6, H-11, H-201, H-202, H-801(a, b, c), H-901, H-1101, H-1102, H-1103, H-1104, H-580, H-1501, , each asphalt demister	Established pursuant to: WAC 173-401-615(1)(b) WAC 173-401-615(2)(a) PSCAA Reg. I: 7.09(b) ----- PSCAA Reg. I: 7.09(b) <i>Not federally enforceable</i>	10/17/02 10/17/02 9/10/98 ----- 9/25/08	<p>US Oil shall conduct: <b>daily</b> visual inspections of B-4, H-11 and H-201 when fired on oil; <b>quarterly</b> inspections of each asphalt demister; and <b>annual</b> visual inspections of all process heaters and boilers fired on gas. Daily monitoring may be reduced to weekly if no visible emissions are observed for 7 consecutive days of oil-firing, but must revert to daily monitoring if any visible emissions are observed.</p> <p>All inspections shall be performed during daylight during operation of the equipment.</p> <p>If visible emissions other than steam are observed, US Oil shall within 24 hours:</p> <ul style="list-style-type: none"> <li>- Take corrective action until there are no visible emissions;</li> <li>- Use the reference test method listed in Section I.A of this permit; <i>or</i></li> <li>- Shut down the unit or activity until repaired.</li> </ul> <p>If the reference test method is used, the duration of the test may be limited to 15 minutes provided that no opacity readings of <math>\geq 20\%</math> are observed.</p> <p>US Oil shall record:</p> <ul style="list-style-type: none"> <li>- The date and time of the inspection (or test);</li> <li>- The emission unit inspected (or tested);</li> <li>- The fuel being burned;</li> <li>- Who conducted the inspection (or test);</li> <li>- The results of the inspection (or test);</li> <li>- The date and results of any corrective actions taken; and</li> <li>- Who took the corrective actions.</li> </ul>

Req. No.	Applies to	Applicable Requirement	Adoption or Effective Date	Requirement Paraphrase
<b>II.A.2</b>	NSPS Subpart UU asphalt storage tanks (included: TK-5001, TK-5002, TK-6001, TK-6002)	40 CFR 60.7(b) ----- {PSCAA Reg. I: 6.11} {WAC 173-400-115} <i>Not federally enforceable</i>	2/12/99 ----- 9/26/02 6/8/07	Shall record the occurrence and duration of any startup, shutdown, or malfunction in the operation of the asphalt tanks and any malfunction of the demisters.
<b>II.A.3</b>	NSPS Subpart UU asphalt storage tanks (included: TK-5001, TK-5002, TK-6001, TK-6002)	40 CFR 60.7(f) ----- {PSCAA Reg. I: 6.11} {WAC 173-400-115} <i>Not federally enforceable</i>	2/12/99 ----- 9/26/02 6/8/07	Shall record in a permanent form suitable for inspection all performance testing (opacity) measurements.
<b>II.A.4</b>	Asphalt railcar loading rack demister	PSCAA Order of Approval No. 10053, Condition 4	7/8/09	The demister shall be equipped with gauges to monitor the inlet air temperature and the pressure drop across the primary filter element. The acceptable pressure drop range shall be included in the O&M plan and posted on or near the gauge.

Req. No.	Applies to	Applicable Requirement	Adoption or Effective Date	Requirement Paraphrase
<b>II.A.5</b>	Asphalt railcar loading rack demister	PSCAA Order of Approval No. 10053, Condition 5	7/8/09	The demister shall be inspected <b>monthly</b> during railcar filling operations. If visible emissions are observed, the inlet temperature exceeds 120°F or the pressure drop is not within the acceptable range, US Oil shall within 24 hours either: take corrective action until there are no visible emissions, verify compliance using EPA Method 9, or shut down the railcar loading rack until the problem is repaired.
<b>II.A.6</b>	Asphalt railcar loading rack demister	PSCAA Order of Approval No. 10053, Condition 6	7/8/09	Records shall be kept documenting the results of each inspection, maintenance and corrective action. Each record shall also include the date and time, a brief description, and the name of the person who conducted the activity.
<b>II.A.7</b>	Asphalt railcar loading rack demister	PSCAA Order of Approval No. 10053, Condition 7	7/8/09	Shall keep records documenting compliance with the transloading limit (see I.A.25) on a calendar year basis.



Req. No.	Applies to	Applicable Requirement	Adoption or Effective Date	Requirement Paraphrase
<b>Stationary Internal Combustion Engines (PM and Opacity)</b>				
<p>(Note 1: Requirements II.A.9- II.A.11 from 40 CFR Part 60, Subpart IIII, apply to all emergency stationary compression ignition internal combustion engines with a displacement &lt;30 liters per cylinder and a maximum engine power ≥50 hp ordered after July 11, 2005 and either manufactured after 7/1/06 as a certified National Fire Protection Association fire pump engine or manufactured after 4/1/06 that are not fire pump engines. At the time of permit renewal (7/22/10), this included GE-2, J-222, J-601A, and J-601B.</p> <p>Note 2: Requirement II.A.8 applies more specifically to 2007 model year and later stationary CI internal combustion engines that must comply with the emission standards specified in §60.4204(b) or §60.4205(b), and to CI fire pump engines manufactured during or after the model year that applies to the fire pump engine power rating in table 3 of Subpart IIII that must comply with the emission standards specified in §60.4205(c). At the time of permit renewal (7/22/10), this included GE-2 and J-222.)</p>				
<b>II.A.8</b>	Subpart IIII emergency engines (see note above) (included GE-2, J-222,)	40 CFR 60.4211(c) [40 CFR 63.6590(c)] ----- {PSCAA Reg. I: 6.11} {WAC 173-400-115} {PSCAA Reg. III: 2.02} {WAC 173-400-075} <i>Not federally enforceable</i>	7/11/06 1/18/08 ----- 9/26/02 6/8/07 9/26/02 6/8/07	Shall only purchase engines certified to meet the emission standards in §60.4205(b) and (c) (see I.A.21 and I.A.22). Shall install and configure the engines according to the manufacturer's specifications.

Req. No.	Applies to	Applicable Requirement	Adoption or Effective Date	Requirement Paraphrase
<b>II.A.9</b>	Subpart III emergency engines (see note above) (included GE-2, J-222, J-601A, J-601B)	40 CFR 60.4206 40 CFR 60.4211(a) [40 CFR 63.6590(c)] ----- {PSCAA Reg. I: 6.11} {WAC 173-400-115} {PSCAA Reg. III: 2.02} {WAC 173-400-075} <i>Not federally enforceable</i>	7/11/06 7/11/06 1/18/08 ----- 9/26/02 6/8/07 9/26/02 6/8/07	Shall operate and maintain the engines according to the manufacturer's written instructions or procedures developed by US Oil that are approved by the engine manufacturer, over the entire life of the engine.
<b>II.A.10</b>	Subpart III emergency engines (see note above) (included GE-2, J-222, J-601A, J-601B)	40 CFR 60.4209(a) [40 CFR 63.6590(c)] ----- {PSCAA Reg. I: 6.11} {WAC 173-400-115} {PSCAA Reg. III: 2.02} {WAC 173-400-075} <i>Not federally enforceable</i>	7/11/06 1/18/08 ----- 9/26/02 6/8/07 9/26/02 6/8/07	Shall install a non-resettable hour meter prior to startup of the engine.

Req. No.	Applies to	Applicable Requirement	Adoption or Effective Date	Requirement Paraphrase
<b>II.A.11</b>	Subpart IIII emergency engines (see note above) (included GE-2, J-222, J-601A, J-601B)	40 CFR 60.4211(e) [40 CFR 63.6590(c)] ----- {PSCAA Reg. I: 6.11} {WAC 173-400-115} {PSCAA Reg. III: 2.02} {WAC 173-400-075} <i>Not federally enforceable</i>	7/11/06 1/18/08 ----- 9/26/02 6/8/07 9/26/02 6/8/07	Shall operate only for the purpose of maintenance checks and readiness testing, provided that the tests are recommended by federal, state, or local government, the manufacturer, the vendor, or the insurance company associated with the engine. Maintenance checks and readiness testing of such units is limited to 100 hr/yr. There is no time limit on the use of emergency stationary ICE in emergency situations. US Oil may petition the Administrator for approval of additional hours to be used for maintenance checks and readiness testing, but a petition is not required if the owner or operator maintains records indicating that federal, state, or local standards require maintenance and testing of emergency ICE beyond 100 hr/yr.
<b>Fuel Oil</b>				
(Note: Requirement II.A.12 applies to fuel burning equipment that produces hot air, hot water, steam, or other heated fluids by external combustion of fuel and to refuse burning equipment employed to burn any solid or liquid combustible refuse. At the time of permit renewal (7/22/10), this included B-4, B-5, H-3, H-6, H-11, H-201, H-202, H-901, H-801(a, b, c), H-804, H-1101, H-1102, H-1103, H-1104, and the space heaters and pressure washers listed as insignificant emission units in the statement of basis. Only B-4, H-11, H-201 were capable of burning fuel oil. U.S. Oil had no refuse burning equipment.)				
<b>II.A.12</b>	Fuel burning equipment (included: B-4, H-11, H-201)	<i>Established pursuant to:</i> WAC 173-401-615(1)(b) WAC 173-401-615(2)(a) PSCAA Reg. I: 7.09(b) ----- PSCAA Reg. I: 7.09(b) <i>Not federally enforceable</i>	10/17/02 10/17/02 9/10/98 ----- 9/25/08	US Oil shall measure the ash content of each batch of residual fuel oil (to be burned in B-4, H-11, or H-201) using ASTM D482. US Oil shall record: - The date and time of the sampling; - Who conducted the sampling; - The name of the person that performed the analyses; - The date of the analyses; - The analytical methods used; - The results of the analyses; - The date and results of any corrective actions taken; and - Who took the corrective actions.

Req. No.	Applies to	Applicable Requirement	Adoption or Effective Date	Requirement Paraphrase
Fugitive Dust				
<b>II.A.13</b>	Facility-wide (excludes open burning)	Established pursuant to: WAC 173-401-615(1)(b) WAC 173-401-615(2)(a) PSCAA Reg. I: 7.09(b) ----- PSCAA Reg. I: 7.09(b) <i>Not federally enforceable</i>	10/17/02 10/17/02 9/10/98 ----- 9/25/08	US Oil shall conduct <b>quarterly</b> visual inspections of the facility for fugitive dust during daylight hours. If fugitive dust is observed, US Oil shall verify that reasonable precautions are being employed. US Oil shall record: <ul style="list-style-type: none"> <li>- The date and time of the inspection;</li> <li>- The units and activities inspected;</li> <li>- Who conducted the inspection;</li> <li>- The results of the inspection;</li> <li>- The date and results of any corrective actions taken; and</li> <li>- Who took the corrective actions.</li> </ul>

## II.B. SULFUR OXIDES

Req. No.	Applies to	Applicable Requirement	Adoption or Effective Date	Requirement Paraphrase (Information Only)
<b>Fuel Oil</b>				
(Note: Requirement II.B.1 applies to fuel burning equipment that produces hot air, hot water, steam, or other heated fluids by external combustion of fuel and to refuse burning equipment employed to burn any solid or liquid combustible refuse. At the time of permit renewal (7/22/10), this included B-4, B-5, H-3, H-6, H-11, H-201, H-202, H-901, H-801(a, b, c), H-804, H-1101, H-1102, H-1103, H-1104, and the space heaters and pressure waters listed as insignificant emission units in the statement of basis. Only B-4, H-11, and H-201 were capable of burning residual fuel oil.)				
<b>II.B.1</b>	Fuel burning equipment (included: B-4, H-11, H-201)	Established pursuant to: WAC 173-401-615(1)(b) WAC 173-401-615(2)(a) PSCAA Reg. I: 7.09(b) ----- PSCAA Reg. I: 7.09(b) <i>Not federally enforceable</i>	10/17/02 10/17/02 9/10/98 ----- 9/25/08	US Oil shall measure the sulfur content of each batch of residual fuel oil (to be burned in B-4, H-11, or H-201) using ASTM D4294. US Oil shall record: - The date and time of the sampling; - Who conducted the sampling; - The name of the person that performed the analyses; - The date of the analyses; - The analytical methods used; - The results of the analyses; - The date and results of any corrective actions taken; and - Who took the corrective actions.
<b>II.B.2</b>	B-4	PSCAA Order of Approval No. 5429: Condition 5	12/22/94	Shall keep a log of the amount of oil burned in B-4 each month and for the previous 12 months.
<b>II.B.3</b>	H-11	PSCAA Order of Approval No. 5448: Condition 5	12/22/94	Shall keep a log of the amount of oil burned in H-11 each month and for the previous 12 months.
<b>II.B.4</b>	H-201	PSCAA Order of Approval No. 5432: Condition 5	12/22/94	Shall keep a log of the amount of oil burned in H-201 each month and for the previous 12 months.

Req. No.	Applies to	Applicable Requirement	Adoption or Effective Date	Requirement Paraphrase (Information Only)
<b>II.B.5</b>	B-4, H-11, H-201	PSCAA Order of Approval No. 9153 : Condition 8	3/24/05	Shall record the monthly and 12 month rolling average total quantity of sulfur in the residual oil burned in B-4, H-11, and H-201 within 30 days of the end of each month.
<b>II.B.6</b>	B-4, H-11, H-201	<i>Established pursuant to:</i> WAC 173-401-615(1)(b) WAC 173-401-615(2)(a) PSCAA Reg. I: 7.09(b) ----- PSCAA Reg. I: 7.09(b) <i>Not federally enforceable</i>	10/17/02 10/17/02 9/10/98 ----- 9/25/08	US Oil shall record (in addition to the data required under II.B.2 - II.B.5): - Who reviewed the monthly log of residual fuel oil combustion, and - The date and time of their review.
<b>Claus Unit Tail Gas (SO<sub>2</sub>)</b>  (Note: Requirements II.B.9 - II.B.20 from 40 CFR Part 63, Subparts UUU and A, apply to each sulfur recovery unit and the tail gas treatment unit serving it, except sulfur recovery units that do not recover elemental sulfur or where the modified reaction is carried out in a water solution which contains a metal ion capable of oxidizing the sulfide ion to sulfur (e.g., the LO-CAT II process). At the time of permit renewal (7/22/10), this included SRU-2. It also applies to each bypass line serving a new, existing, or reconstructed catalytic cracking unit, catalytic reforming unit, or sulfur recovery unit that could divert an affected vent stream away from a control device used to comply with the requirements of this subpart. At the time of permit renewal (7/22/10), U.S. Oil had no bypass lines.)				
<b>II.B.7</b>	H-580	PSCAA Order of Approval No. 5433: Condition 4	4/10/95	Shall monitor SO <sub>2</sub> and O <sub>2</sub> emissions from tail gas incinerator at all times when the tail gas treatment unit is in operation
<b>II.B.8</b>	SRU-2 H-580	<i>Established pursuant to:</i> WAC 173-401-615(1)(b) WAC 173-401-615(2)(a) PSCAA Reg. I: 7.09(b) ----- PSCAA Reg. I: 7.09(b)	10/17/02 10/17/02 9/10/98 ----- 9/25/08	US Oil shall record the duration of all startups and shutdowns of SRU-2 during which the TGTU is not in operation.

Req. No.	Applies to	Applicable Requirement	Adoption or Effective Date	Requirement Paraphrase (Information Only)
		<i>Not federally enforceable</i>		
<b>II.B.9</b>	Subpart UUU sulfur recovery units (see note above) (included SRU-2, H-580)	40 CFR 63.1572(a)(1) [40 CFR 63.1568(c)(1)] [40 CFR 63.1576(d)] {40 CFR 63.4(a)(1)} {40 CFR 63.4(a)(2)} ----- {PSCAA Reg. III: 2.02} {WAC 173-400-075} <i>Not federally enforceable</i>	2/9/05 4/11/02 2/9/05 4/5/02 4/5/02 ----- 9/26/02 6/8/07	Shall record hourly average (and 12-hr rolling average) monitoring data and shall operate and maintain the CEMS in accordance with 40 CFR Part 60, App. F (see II.B.27).
<b>II.B.10</b>	Subpart UUU sulfur recovery units (see note above) (included SRU-2, H-580)	40 CFR 63.1572(c)(2) {40 CFR 63.4(a)(1)} {40 CFR 63.4(a)(2)} ----- {PSCAA Reg. III: 2.02} {WAC 173-400-075} <i>Not federally enforceable</i>	2/9/05 4/5/02 4/5/02 ----- 9/26/02 6/8/07	The SO <sub>2</sub> CEMS shall complete a minimum of one cycle of operation for each successive 15-minute period and shall collect a minimum of 4 successive cycles of operation to have a valid hour of data (or at least 2 if a calibration check is performed during that hr or if the CEMS is out-of-control).
<b>II.B.11</b>	Subpart UUU sulfur recovery units (see note above) (included SRU-2, H-580)	40 CFR 63.1572(c)(3) {40 CFR 63.4(a)(1)} {40 CFR 63.4(a)(2)} ----- {PSCAA Reg. III: 2.02} {WAC 173-400-075} <i>Not federally enforceable</i>	2/9/05 4/5/02 4/5/02 ----- 9/26/02 6/8/07	Shall recover valid hourly average data from ≥75% of the hours during which the process operated.
<b>II.B.12</b>	Subpart UUU	40 CFR 63.1572(d)	2/9/05	Shall monitor at all times the affected source is in operation, except for CEMS malfunctions,

Req. No.	Applies to	Applicable Requirement	Adoption or Effective Date	Requirement Paraphrase (Information Only)
	sulfur recovery units (see note above) (included SRU-2, H-580)	[40 CFR 63.1572(a)(4)] {40 CFR 63.4(a)(1)} {40 CFR 63.4(a)(2)} ----- {PSCAA Reg. III: 2.02} {WAC 173-400-075} <i>Not federally enforceable</i>	2/9/05 4/5/02 4/5/02 ----- 9/26/02 6/8/07	associated repairs, and required QA/QC activities. Shall not use data recorded during CEMS malfunctions, associated repairs, and required QA/QC activities, including data averages and calculations, for fulfilling a minimum data availability requirement. Shall use all the data collected during all other periods in assessing the operation of the control device and associated control system.
<b>II.B.13</b>	Subpart UUU sulfur recovery units (see note above) (included SRU-2, H-580)	40 CFR 63.1576(b)(5) {40 CFR 63.4(a)(1)} {40 CFR 63.4(a)(2)} ----- {PSCAA Reg. III: 2.02} {WAC 173-400-075} <i>Not federally enforceable</i>	2/9/05 4/5/02 4/5/02 ----- 9/26/02 6/8/07	Shall keep records of the date and time that each deviation started and stopped, and whether the deviation occurred during a period of startup, shutdown, or malfunction or during another period.
<b>II.B.14</b>	Subpart UUU sulfur recovery units (see note above) (included SRU-2, H-580)	40 CFR 63.1576(f) {40 CFR 63.4(a)(1)} {40 CFR 63.4(a)(2)} ----- {PSCAA Reg. III: 2.02} {WAC 173-400-075} <i>Not federally enforceable</i>	2/9/05 4/5/02 4/5/02 ----- 9/26/02 6/8/07	Shall keep records of any changes that affect emission control system performance.
<b>II.B.15</b>	Subpart UUU sulfur recovery units (see note above) (included	40 CFR 63.8(c)(1) {40 CFR 63.4(a)(1)} {40 CFR 63.4(a)(2)} ----- {PSCAA Reg. III: 2.02} {WAC 173-400-075}	4/20/06 4/5/02 4/5/02 ----- 9/26/02	Shall keep the necessary parts for routine repairs of the SO <sub>2</sub> CEMS readily available.



Req. No.	Applies to	Applicable Requirement	Adoption or Effective Date	Requirement Paraphrase (Information Only)
	SRU-2, H-580)	<i>Not federally enforceable</i>	6/8/07	
<b>II.B.16</b>	Subpart UUU sulfur recovery units (see note above) (included SRU-2, H-580)	40 CFR 63.8(c)(4) {40 CFR 63.4(a)(1)} {40 CFR 63.4(a)(2)} ----- {PSCAA Reg. III: 2.02} {WAC 173-400-075} <i>Not federally enforceable</i>	4/20/06 4/5/02 4/5/02 ----- 9/26/02 6/8/07	The CEMS shall complete a minimum of one cycle of operation (sampling, analyzing, and data recording) for each successive 15-minute period.
<b>II.B.17</b>	Subpart UUU sulfur recovery units (see note above) (included SRU-2, H-580)	40 CFR 63.8(c)(6) {40 CFR 63.4(a)(1)} {40 CFR 63.4(a)(2)} ----- {PSCAA Reg. III: 2.02} {WAC 173-400-075} <i>Not federally enforceable</i>	4/20/06 4/5/02 4/5/02 ----- 9/26/02 6/8/07	Shall perform a daily check of the zero or low-level value (in the range of 0-100 ppm SO <sub>2</sub> ) and high-level value in the range of (250-500 ppm SO <sub>2</sub> ) calibration drifts. Shall adjust the CEMS whenever the drift exceeds 25 ppm SO <sub>2</sub> . The system shall allow the amount of excess zero (low-level) and high-level drift measured at the 24-hour interval checks to be recorded and quantified.
<b>II.B.18</b>	Subpart UUU sulfur recovery units (see note above) (included SRU-2, H-580)	40 CFR 63.8(c)(7) {40 CFR 63.4(a)(1)} {40 CFR 63.4(a)(2)} ----- {PSCAA Reg. III: 2.02} {WAC 173-400-075} <i>Not federally enforceable</i>	4/20/06 4/5/02 4/5/02 ----- 9/26/02 6/8/07	Shall take the necessary corrective action and repeat all necessary tests which indicate that the system is out of control (i.e., fails a RATA, CGA, or CD check). Shall take corrective action and retest until the performance requirements are met. The beginning of the out-of-control period is the hour the performance check indicates an exceedance of the performance requirements. The end of the out-of-control period is the hour following the completion of corrective action and successful demonstration that the system is within the allowable limits. During the period the CEMS is out of control, recorded data shall not be used in data averages and calculations, or to meet any data availability requirement established under this part.
<b>II.B.19</b>	Subpart UUU sulfur recovery	40 CFR 63.8(d)(2) {40 CFR 63.4(a)(1)}	4/20/06 4/5/02	Shall develop and implement a CEMS QC program which includes, at a minimum, a written protocol that describes procedures for each of the following operations:

Req. No.	Applies to	Applicable Requirement	Adoption or Effective Date	Requirement Paraphrase (Information Only)
	units (see note above) (included SRU-2, H-580)	{40 CFR 63.4(a)(2)} ----- {PSCAA Reg. III: 2.02} {WAC 173-400-075} <i>Not federally enforceable</i>	4/5/02 ----- 9/26/02 6/8/07	(i) Initial and any subsequent calibration of the CEMS; (ii) Determination and adjustment of the CD of the CEMS; (iii) Preventive maintenance of the CEMS, including spare parts inventory; (iv) Data recording, calculations, and reporting; (v) Accuracy audit procedures, including sampling and analysis methods; and (vi) Program of corrective action for a malfunctioning CEMS.
<b>II.B.20</b>	Subpart UUU sulfur recovery units (see note above) (included SRU-2, H-580)	40 CFR 63.8(g) {40 CFR 63.4(a)(1)} {40 CFR 63.4(a)(2)} ----- {PSCAA Reg. III: 2.02} {WAC 173-400-075} <i>Not federally enforceable</i>	4/20/06 4/5/02 4/5/02 ----- 9/26/02 6/8/07	Data shall be reduced to 1-hr averages computed from four or more data points equally spaced over each 1-hour period, except during periods when calibration, QA, or maintenance activities pursuant to provisions of this part are being performed. During these periods, a valid hourly average shall consist of at least two data points with each representing a 15-minute period. Alternatively, an arithmetic or integrated 1-hour average of CEMS data may be used.  All data shall be converted into ppm @ 0% O <sub>2</sub> for reporting purposes. After conversion into these units, the data may be rounded to the same number of significant digits as used in that standard to specify the emission limit.  Data recorded during periods of unavoidable CEMS breakdowns, out-of-control periods, repairs, maintenance periods, calibration checks, and zero (low-level) and high-level adjustments must not be included in any data average computed under this part.

Req. No.	Applies to	Applicable Requirement	Adoption or Effective Date	Requirement Paraphrase (Information Only)
<b>Fuel Gas (H<sub>2</sub>S)</b>				
<p>(Note: Requirements II.B.21 - II.B.26 from 40 CFR Part 60, Subparts J and A, apply to fuel gas combustion devices [process heaters, boilers and flares used to combust any gas which is generated at a petroleum refinery, except facilities in which gases are combusted to produce sulfur or sulfuric acid] which commence construction or modification after 6/11/73. No monitoring is required for fuel gas streams combusted in a fuel gas combustion device that are inherently low in sulfur content, including: pilot gas for heaters and flares; fuel gas streams that meet a commercial-grade product specification for sulfur content of ≤30 ppm; fuel gas streams produced in process units that are intolerant to sulfur contamination, such as fuel gas streams produced in the catalytic reforming units and the isomerization unit; and any other fuel gas streams that US Oil demonstrates are low-sulfur according to the procedures in §60.105(b). At the time of permit renewal (7/22/10), this included B-4, B-5, F-1, H-3, H-6, H-11, H-201, H-202, H-901, H-1101, H-1102, H-1103, H-1104, and H-1501. Flare F-2 is an affected facility under Subpart J but it's exempt from the emission standard because it only combusts process upset gases or fuel gas that is released to the flare as a result of relief valve leakage or other emergency malfunctions and emissions associated with startups and shutdowns of CRU-2, Isom, and the DHU.)</p>				
<b>II.B.21</b>	Subpart J fuel gas combustion devices (see notes above) (included: B-4, B-5, F-1, H-3, H-6, H-11, H-201, H-202, H-901, H-1101, H-1102, H-1103, H-1104, H-1501)	40 CFR 60.105(a)(4) 40 CFR 60.13(a)----- ----- {PSCAA Reg. I: 6.11} {WAC 173-400-115} <i>Not federally enforceable</i>	6/24/08 6/13/07----- ----- 9/26/02 6/8/07	Shall install, calibrate, maintain and operate a CEMS for H <sub>2</sub> S with a span value of 300 ppm that meets 40 CFR Part 60, App. B, Performance Spec. 7.

Req. No.	Applies to	Applicable Requirement	Adoption or Effective Date	Requirement Paraphrase (Information Only)
<b>II.B.22</b>	Subpart J fuel gas combustion devices (see notes above) (included: B-4, B-5, F-1, H-3, H-6, H-11, H-201, H-202, H-901, H-1101, H-1102, H-1103, H-1104, H-1501)	40 CFR 60.13(e)(2) ----- {PSCAA Reg. I: 6.11} {WAC 173-400-115} <i>Not federally enforceable</i>	6/13/07 ----- 9/26/02 6/8/07	Shall continuously operate the CEMS except during system breakdowns, repairs, calibration checks, and zero and span adjustments required under §60.13(d) (see II.B.23) and shall complete a minimum of 1 cycle of operation (sampling, analyzing, recording) for each successive 15-min period.
<b>II.B.23</b>	Subpart J fuel gas combustion devices (see notes above) (included: B-4, B-5, F-1, H-3, H-6, H-11, H-201, H-202, H-901, H-1101, H-1102, H-1103,	40 CFR 60.13(d)(1) ----- {PSCAA Reg. I: 6.11} {WAC 173-400-115} <i>Not federally enforceable</i>	6/13/07 ----- 9/26/02 6/8/07	Shall perform a daily check of the zero or low level value in the range of 0-20% of span (e.g., 0-60 ppm H <sub>2</sub> S) and the high level value in the range of 50-100% of span (e.g., 150-300 ppm H <sub>2</sub> S) CDs in accordance with a written procedure. Shall adjust the CEMS whenever the drift exceeds 10% of the span value (e.g., 30 ppm H <sub>2</sub> S).

Req. No.	Applies to	Applicable Requirement	Adoption or Effective Date	Requirement Paraphrase (Information Only)
	H-1104, H-1501)			
<b>II.B.24</b>	Subpart J fuel gas combustion devices (see notes above) (included: B-4, B-5, F-1, H-3, H-6, H-11, H-201, H-202, H-901, H-1101, H-1102, H-1103, H-1104, H-580, H-1501)	40 CFR 60.13(h) ----- {PSCAA Reg. I: 6.11} {WAC 173-400-115} <i>Not federally enforceable</i>	6/13/07 ----- 9/26/02 6/8/07	Shall reduce all data to 1-hr averages (clock basis) computed from $\geq 4$ data points equally spaced over each 1-hr period and excluding data recorded during periods of CEMS breakdowns, repairs, calibration checks, and zero and span adjustments. Shall convert all excess emissions into units of the standard and may then round data to the nearest ppm.
<b>II.B.25</b>	Subpart J fuel gas combustion devices (see notes above) (included: B-4, B-5, F-1, H-3, H-6, H-11, H-201, H-202, H-901,	40 CFR 60.7(b) ----- {PSCAA Reg. I: 6.11} {WAC 173-400-115} <i>Not federally enforceable</i>	2/12/99 ----- 9/26/02 6/8/07	Shall record the occurrence and duration of any: - Startup, shutdown, or malfunction in the operation of the fuel gas combustion devices; - Malfunction of the amine scrubber; and - Periods during which the CEMS is inoperative.

Req. No.	Applies to	Applicable Requirement	Adoption or Effective Date	Requirement Paraphrase (Information Only)
	H-1101, H-1102, H-1103, H-1104, H-580, H-1501)			
<b>II.B.26</b>	Subpart J fuel gas combustion devices (see notes above) (included: B-4, B-5, F-1, H-3, H-6, H-11, H-201, H-202, H-901, H-1101, H-1102, H-1103, H-1104, H-1501)	40 CFR 60.7(f) ----- {PSCAA Reg. I: 6.11} {WAC 173-400-115} <i>Not federally enforceable</i>	2/12/99 ----- 9/26/02 6/8/07	Shall record in a permanent form suitable for inspection all: <ul style="list-style-type: none"> <li>- CEMS measurements;</li> <li>- Performance test measurements;</li> <li>- CEMS performance evaluations;</li> <li>- CEMS calibration checks; and</li> <li>- Adjustments and maintenance.</li> </ul> In lieu of maintaining a file of all CEMS subhourly measurements, may retain the most recent consecutive 3 averaging periods of subhourly measurements and a file that contains a hard copy of the data acquisition system algorithm used to reduce the measured data into the reportable form of the standard.
<b>Continuous Emission Monitoring Systems (SO<sub>2</sub>, H<sub>2</sub>S, TRS)</b>				
<b>II.B.27</b>	Subpart J fuel gas combustion devices (see notes above)	PSCAA Reg. I: 12.03(c) [PSCAA Reg. I: 12.03(a)] 40 CFR 60.107a(a)(2)(iii) 40 CFR 60.107a(d)(3)	4/9/98 4/9/98 12/22/08 12/22/08 2/9/05 -----	Shall operate the CEMS in accordance with 40 CFR Part 60, App. F: <u>Quality Control (QC) Requirements:</u> <ul style="list-style-type: none"> <li>- Shall develop and implement a QC program that includes written procedures (available for inspection) describing in detail, complete, step-by-step procedures for each of the following activities: calibration of CEMS;</li> </ul>

Req. No.	Applies to	Applicable Requirement	Adoption or Effective Date	Requirement Paraphrase (Information Only)
	(included:B-4, B-5, F-1, H-3, H-6, H-11, H-201, H-202, H-901, H-1101, H-1102, H-1103, H-1104, H-1501) Subpart UUU sulfur recovery units (see note above) (included SRU-2, H-580)	40 CFR 63.1572(a)(1) ----- {PSCAA Reg. I: 6.11} {WAC 173-400-115} <i>Not federally enforceable</i>	9/26/02 6/8/07	<p>CD determination and adjustment;  preventive maintenance (including spare parts inventory);  Accuracy audit procedures (including sampling and analysis methods); and  Corrective actions for malfunctions.</p> <p>- Whenever excessive inaccuracies occur for 2 consecutive quarters, shall revise the procedures or modify or replace the CEMS to correct the deficiency.</p> <p><u>Calibration Drift (CD) Assessment:</u></p> <p>- Shall check, record, and quantify the CD at 2 concentrations at least once <b>daily</b> (approx. 24-hr intervals) in accordance with the method prescribed by the manufacturer.</p> <p>- Shall adjust the SO<sub>2</sub> CEMS whenever the daily zero (or low level) CD or the high level CD exceeds 25 ppm SO<sub>2</sub>.</p> <p>- Shall adjust the O<sub>2</sub> CEMS whenever the daily zero (or low level) CD or the high level CD exceeds 1% O<sub>2</sub>.</p> <p>- Shall adjust the H<sub>2</sub>S CEMS whenever the daily zero (or low level) CD or the high level CD exceeds 30 ppm.</p> <p>- Shall adjust the TRS CEMS whenever the daily zero (or low level) CD or the high level CD exceeds 10% of the span value.</p> <p>- Shall program CEMS that automatically adjust data to corrected calibration values to record the unadjusted concentration measured in the CD prior to resetting the calibration or to record the amount of adjustment.</p> <p>- Shall take necessary corrective action and repeat CD check if either the zero (or low level) or high level CD of the SO<sub>2</sub> CEMS exceeds 25 ppm SO<sub>2</sub> for 5 consecutive days or exceeds 50 ppm during any CD check.</p> <p>- Shall take necessary corrective action and repeat CD check if either the zero (or low level) or high level CD of the O<sub>2</sub> CEMS exceeds 1% O<sub>2</sub> for 5 consecutive days or exceeds 2% O<sub>2</sub> during any CD check.</p> <p>- Shall take necessary corrective action and repeat CD check if either the zero (or low level) or high level CD of the H<sub>2</sub>S CEMS exceeds 30 ppm for 5 consecutive days or exceeds 60 ppm during any CD check.</p> <p>- Shall take necessary corrective action and repeat CD check if either the zero (or low level) or high level CD of the TRS CEMS exceeds 10% of the span value for 5 consecutive days or exceeds 20% of the span value during any CD check.</p> <p>- Shall not use CEMS data collected subsequent to the fifth consecutive daily CD check of</p>

Req. No.	Applies to	Applicable Requirement	Adoption or Effective Date	Requirement Paraphrase (Information Only)
				<p>the SO<sub>2</sub> CEMS with a drift exceeding 25 ppm SO<sub>2</sub> or any daily CD check with a drift exceeding 50 ppm SO<sub>2</sub> for determining compliance with emission standards or for meeting data availability requirements.</p> <ul style="list-style-type: none"> <li>- Shall not use CEMS data collected subsequent to the fifth consecutive daily CD check of the O<sub>2</sub> CEMS with a drift exceeding 1% O<sub>2</sub> or any daily CD check with a drift exceeding 2% O<sub>2</sub> for determining compliance with emission standards or for meeting minimum data availability requirements.</li> <li>- Shall not use CEMS data collected subsequent to the fifth consecutive daily CD check of the H<sub>2</sub>S CEMS with a drift exceeding 30 ppm or any daily CD check with a drift exceeding 60 ppm for determining compliance with emission standards or for meeting minimum data availability requirements.</li> <li>- Shall not use CEMS data collected subsequent to the fifth consecutive daily CD check of the TRS CEMS with a drift exceeding 10% of the span value or any daily CD check with a drift exceeding 20% of the span value for determining compliance with emission standards or for meeting minimum data availability requirements.</li> </ul> <p><u>Data Accuracy Assessment:</u></p> <ul style="list-style-type: none"> <li>- Shall audit each CEMS at least <b>quarterly</b> (with successive audits not to occur &lt;2 months apart) by means of a Cylinder Gas Audit (CGA).</li> <li>- Shall perform a Relative Accuracy Test Audit (RATA) at least once <b>every 4 quarters</b>, and analyze any audit samples received from EPA.</li> <li>- Shall perform a CGA in 3 of 4 quarters (with ≤3 in succession) as follows:  Challenge the SO<sub>2</sub> CEMS with audit gases in the range of 100-150 ppm SO<sub>2</sub> and 250-300 ppm;  Challenge the O<sub>2</sub> CEMS with audit gases in the range of 4-6% O<sub>2</sub> and 8-12% O<sub>2</sub>;  Challenge the H<sub>2</sub>S CEMS with audit gases in the range of 60-90 ppm and 150-180 ppm;  Challenge the TRS CEMS with audit gases in the range of 20-30% of the span value and 50-60% of the span value;  Challenge the CEMS 3 times with each gas and use the avg. of the 3 responses in determining accuracy; and  Do not dilute audit gases to obtain specified ranges.</li> <li>- Shall pass the audit gas through all filters, scrubbers, conditioners, and other monitor components used during normal sampling and as much of the sampling probe as is practical (introduce at the connection between the probe and the sample line).</li> </ul>



Req. No.	Applies to	Applicable Requirement	Adoption or Effective Date	Requirement Paraphrase (Information Only)
				<ul style="list-style-type: none"> <li>- Shall use audit gases certified by comparison to NBS Standard Reference Materials or NBS/EPA approved gas manufacturer's Certified Reference Materials following EPA Protocol 1.</li> <li>- Shall take corrective action upon failing an audit and then reaudit the CEMS and shall report the results of both audits.</li> <li>- Shall not use CEMS data collected subsequent to a failed audit for determining compliance with emission standards or for meeting data availability requirements.</li> <li>- Shall meet the following accuracy criteria:  For RATA, the relative accuracy (RA) shall be no &gt;20% of the mean value from EPA Reference Method (in terms of the units of the emission standard) or 25 ppm. SO<sub>2</sub> (dry, @ 0% O<sub>2</sub>) or 16 ppm (dry) H<sub>2</sub>S, whichever is greater;  For CGA, within 15% of the avg. of the audit value or 5 ppm, whichever is greater; and</li> <li>- Whenever excessive inaccuracies occur for 2 consecutive quarters, shall revise the procedures or modify or replace the CEMS to correct the deficiency.</li> </ul> <u>Calculations for Data Accuracy:</u> <ul style="list-style-type: none"> <li>- Shall follow the equations in Section 12 of 40 CFR Part 60, App. B, Performance Spec. 2 to calculate the RA for a RATA and shall calculate in units of the applicable emission standard.</li> <li>- Shall use the following equation to calculate the RA for a CGA or RAA: <math>A=100(C_{\text{meas}}-C_{\text{act}})/C_{\text{act}}</math>.</li> </ul>
<b>II.B.28</b>	Subpart J fuel gas combustion devices (see notes above) (included: B-4, B-5, F-1, H-3, H-6, H-11, H-201, H-202, H-901,	PSCAA Reg. I: 12.03(d) [PSCAA Reg. I: 12.03(a)]	4/9/98 4/9/98	<p>Shall reduce data commencing on the clock hour and containing ≥45 min of monitoring data to 1-hr averages.</p> <p>Shall include all data commencing on the clock hour and containing ≥45 min of monitoring data in calculating the hourly average, except for data collected during CD tests and CGA and for data collected subsequent to a failed QA test or CGA or RATA.</p>

Req. No.	Applies to	Applicable Requirement	Adoption or Effective Date	Requirement Paraphrase (Information Only)
	H-1101, H-1102, H-1103, H-1104, H-1501) Subpart UUU sulfur recovery units (see note above) (included SRU-2, , H-580)			
<b>II.B.29</b>	Subpart J fuel gas combustion devices (see notes above) (included: B-4, B-5, F-1, H-3, H-6, H-11, H-201, H-202, H-901, H-1101, H-1102, H-1103, H-1104, H-1501) Subpart UUU sulfur recovery units	PSCAA Reg. I: 12.03(b) [PSCAA Reg. I: 12.03(a)]	4/9/98 4/9/98	Shall recover valid hourly monitoring data for $\geq 95\%$ of the hours that the equipment operated during the month, except for downtime that is demonstrated to the Control Officer not to be a result of inadequate design, operation, or maintenance or any other reasonably preventable condition, and for which repairs to the CEMS are conducted in a timely manner.

Req. No.	Applies to	Applicable Requirement	Adoption or Effective Date	Requirement Paraphrase (Information Only)
	(see note above) (included SRU-2, H-580)			
<b>II.B.30</b>	Subpart J fuel gas combustion devices (see notes above) (included: B-4, B-5, F-1, H-3, H-6, H-11, H-201, H-202, H-901, H-1101, H-1102, H-1103, H-1104, H-1501) Subpart UUU sulfur recovery units (see note above) (included SRU-2, H-580)	PSCAA Reg. I: 12.03(e) [PSCAA Reg. I: 12.03(a)] <i>Not federally enforceable</i>	4/9/98 4/9/98	Shall record all monitoring data averages, copies of all reports, records of all repairs, adjustments and maintenance performed on the CEMS.
<b>II.B.31</b>	Subpart J fuel	<i>Established pursuant to:</i>		US Oil shall also record (in addition to the data specified in II.B.26 and II.B.30):

Req. No.	Applies to	Applicable Requirement	Adoption or Effective Date	Requirement Paraphrase (Information Only)
	gas combustion devices (see notes above) (included: B-4, B-5, F-1, H-3, H-6, H-11, H-201, H-202, H-901, H-1101, H-1102, H-1103, H-1104, H-1501) Subpart UUU sulfur recovery units (see note above) (included SRU-2, H-580)	WAC 173-401-615(1)(b) WAC 173-401-615(2)(a) PSCAA Reg. I: 7.09(b) ----- PSCAA Reg. I: 7.09(b) <i>Not federally enforceable</i>	10/17/02 10/17/02 9/10/98 ----- 9/25/08	- The date and time of all repairs, adjustments and maintenance on the CEMS; and - Who conducted the repairs, adjustments and maintenance.

## II.C. NITROGEN OXIDES and CARBON MONOXIDE

Req. No.	Applies to	Applicable Requirement	Adoption or Effective Date	Requirement Paraphrase (Information Only)
Nitrogen Oxides (NO <sub>x</sub> )				
II.C.1	B-4, B-5 H-3, H-11, H-201, H-202, H-901	Established pursuant to: WAC 173-401-615(1)(b) WAC 173-401-615(2)(a) PSCAA Reg. I: 7.09(b) ----- PSCAA Reg. I: 7.09(b) <i>Not federally enforceable</i>	10/17/02 10/17/02 9/10/98 ----- 9/25/08	US Oil shall test for NO <sub>x</sub> emissions from B-4, B-5, H-11, H-3, H-201, H-202, and H-901 every 5 yr from the date of permit issuance in accordance with the reference test methods listed in Section I.C of this permit. Tests will be conducted while firing refinery fuel gas. Tests will also be conducted while co-firing oil if the amount of fuel oil combusted in the boiler or process heater is >2,000 bbl during any calendar year.
Stationary Internal Combustion Engines (NO <sub>x</sub> and CO)				
<p>(Note 1: Requirements II.C.3 - II.C.5 apply to all emergency stationary compression ignition internal combustion engines with a displacement &lt;30 liters per cylinder and a maximum engine power ≥50 hp ordered after July 11, 2005 and either manufactured after 7/1/06 as a certified National Fire Protection Association fire pump engine or manufactured after 4/1/06 that are not fire pump engines. At the time of permit renewal (7/22/10), this included GE-2, J-222, J-601A, and J-601B.</p> <p>Note 2: Requirement II.C.2 applies more specifically to 2007 model year and later stationary CI internal combustion engines that must comply with the emission standards specified in §60.4204(b) or §60.4205(b), and to CI fire pump engines manufactured during or after the model year that applies to the fire pump engine power rating in table 3 of Subpart IIII that must comply with the emission standards specified in §60.4205(c). At the time of permit renewal (7/22/10), this included GE-2 and J-222.)</p>				
II.C.2	Subpart IIII emergency engines (see note above) (included GE-2, J-222)	40 CFR 60.4211(c) [40 CFR 63.6590(c)] ----- {PSCAA Reg. I: 6.11} {WAC 173-400-115} {PSCAA Reg. III: 2.02} {WAC 173-400-075} <i>Not federally enforceable</i>	7/11/06 1/18/08 ----- 9/26/02 6/8/07 9/26/02 6/8/07	Shall only purchase engines certified to meet the emission standards in §60.4205(b) and (c) (see I.C.8 and I.C.9). Shall install and configure the engines according to the manufacturer's specifications.

Req. No.	Applies to	Applicable Requirement	Adoption or Effective Date	Requirement Paraphrase (Information Only)
<b>II.C.3</b>	Subpart IIII emergency engines (see note above) (included GE-2, J-222, J-601A, J-601B)	40 CFR 60.4206 40 CFR 60.4211(a) [40 CFR 63.6590(c)] ----- {PSCAA Reg. I: 6.11} {WAC 173-400-115} {PSCAA Reg. III: 2.02} {WAC 173-400-075} <i>Not federally enforceable</i>	7/11/06 7/11/06 1/18/08 ----- 9/26/02 6/8/07 9/26/02 6/8/07	Shall operate and maintain the engines according to the manufacturer's written instructions or procedures developed by the owner or operator that are approved by the engine manufacturer, over the entire life of the engine.
<b>II.C.4</b>	Subpart IIII emergency engines (see note above) (included GE-2, J-222, J-601A, J-601B)	40 CFR 60.4209(a) [40 CFR 63.6590(c)] ----- {PSCAA Reg. I: 6.11} {WAC 173-400-115} {PSCAA Reg. III: 2.02} {WAC 173-400-075} <i>Not federally enforceable</i>	7/11/06 1/18/08 ----- 9/26/02 6/8/07 9/26/02 6/8/07	Shall install a non-resettable hour meter prior to startup of the engine.
<b>II.C.5</b>	Subpart IIII emergency engines (see note above) (included GE-2, J-222, J-601A, J-601B)	40 CFR 60.4211(e) [40 CFR 63.6590(c)] ----- {PSCAA Reg. I: 6.11} {WAC 173-400-115} {PSCAA Reg. III: 2.02} {WAC 173-400-075} <i>Not federally enforceable</i>	7/11/06 1/18/08 ----- 9/26/02 6/8/07 9/26/02 6/8/07	Shall operate only for the purpose of maintenance checks and readiness testing, provided that the tests are recommended by federal, state, or local government, the manufacturer, the vendor, or the insurance company associated with the engine. Maintenance checks and readiness testing of such units is limited to 100 hr/yr. There is no time limit on the use of emergency stationary ICE in emergency situations.

Req. No.	Applies to	Applicable Requirement	Adoption or Effective Date	Requirement Paraphrase (Information Only)
Carbon Monoxide (CO)				
<b>II.C.6</b>	H-3, H-202, H-901	<i>Established pursuant to:</i> WAC 173-401-615(1)(b) WAC 173-401-615(2)(a) PSCAA Reg. I: 7.09(b) ----- PSCAA Reg. I: 7.09(b) <i>Not federally enforceable</i>	10/17/02 10/17/02 9/10/98 ----- 9/25/08	US Oil shall test for CO emissions every 5 yr from the date of permit issuance in accordance with the reference test methods listed in Section I.C of this permit

**II.D. NUISANCE**

Req. No.	Applies to	Applicable Requirement	Adoption or Effective Date	Requirement Paraphrase (Information Only)
<b>II.D.1</b>	Sources	<p><i>Established pursuant to:</i>  WAC 173-401-615(1)(b)  WAC 173-401-615(2)(a)  PSCAA Reg. I: 7.09(b)  -----  PSCAA Reg. I: 7.09(b)  <i>Not federally enforceable</i></p>	<p>10/17/02  10/17/02  9/10/98  -----  9/25/08</p>	<p>US Oil shall investigate all air pollution complaints as soon as practicable, but ≤24 hours after receipt. For odor complaints, US Oil shall verify that recognized good practice and procedures were and are being employed. For fugitive dust complaints, US Oil shall verify that reasonable precautions were and are being employed.</p> <p>If US Oil finds credible evidence that the emissions resulted or are resulting in a potential threat to human health or safety, US Oil shall take immediate and appropriate corrective actions consistent with safety and good air pollution control practice for minimizing the emissions, including slowing or shutting down the emission unit. Other deviations must be remedied as soon as practicable but no later than 24 hours after being found.</p> <p>For each complaint, US Oil shall record:</p> <ul style="list-style-type: none"> <li>- The date and time of the inspection;</li> <li>- Who conducted the inspection;</li> <li>- The emission units or operations inspected;</li> <li>- The operating conditions;</li> <li>- The results of the inspection;</li> <li>- The date and time of the complaint;</li> <li>- The name of the person complaining (if known);</li> <li>- The nature of the complaint;</li> <li>- The date, time and nature of any corrective action taken; and</li> <li>- Who took the corrective actions.</li> </ul>



**II.E. INORGANIC TOXIC AIR CONTAMINANTS and HAZARDOUS AIR POLLUTANTS**

Req. No.	Applies to	Applicable Requirement	Adoption or Effective Date	Requirement Paraphrase (Information Only)
<b>Reformers (HCl)</b>				
(Note: Requirements II.E.1 - II.E.3 from 40 CFR Part 63, Subpart UUU apply to emissions from catalytic reforming unit process vents that occur during depressuring and purging operations. This includes the process vents used during unit depressurization, purging, coke burn, catalyst rejuvenation, and reduction or activation purge. At the time of permit renewal, this included process vents on CRU-1 and CRU-2.)				
<b>II.E.1</b>	Subpart UUU reformers (see note above) (included: CRU-1 CRU-2)	40 CFR 63.1567(c)(1) [40 CFR 63.1572(d)(1)] [40 CFR 63.1576(d)] {40 CFR 63.4(a)(1)} {40 CFR 63.4(a)(2)} ----- {PSCAA Reg. III: 2.02} {WAC 173-400-075} <i>Not federally enforceable</i>	2/9/05 2/9/05 2/9/05 4/5/02 4/5/02 ----- 9/26/02 6/8/07	Shall measure and record the HCl concentration at least 4 times during a regeneration cycle equally spaced in time) or every 4 hours, whichever is more frequent, using a colorimetric tube sampling system. Shall calculate the daily average HCl concentration as arithmetic average of all samples collected during a 24-hr period from the start of the coke burn-off or catalyst rejuvenation cycle or from the entire duration of the coke burnoff cycle or catalyst rejuvenation if it's less than 24-hours.
<b>II.E.2</b>	Subpart UUU reformers (see note above) (included: CRU-1 CRU-2)	40 CFR 63.1572(c)(1) [40 CFR 63.1567(b)(1)] {40 CFR 63.4(a)(1)} ----- {PSCAA Reg. III: 2.02} {WAC 173-400-075} <i>Not federally enforceable</i>	2/9/05 2/9/05 4/5/02 ----- 9/26/02 6/8/07	Shall use a colorimetric tube sampling system with a printed numerical scale in ppm, a standard measurement range of 1 to 10 ppm (or 1 to 30 ppm), and a standard deviation for measured values of no more than $\pm 15\%$ . System shall include a gas detection pump and hot air probe if needed for the measurement range.

Req. No.	Applies to	Applicable Requirement	Adoption or Effective Date	Requirement Paraphrase (Information Only)
<b>II.E.3</b>	Subpart UUU reformers (see note above) (included: CRU-1 CRU-2)	40 CFR 63.1576(f) {40 CFR 63.4(a)(1)} {40 CFR 63.4(a)(2)} ----- {PSCAA Reg. III: 2.02} {WAC 173-400-075} <i>Not federally enforceable</i>	2/9/05 4/5/02 4/5/02 ----- 9/26/02 6/8/07	Shall keep records of any changes that affect emission control system performance.

## **II.F. VOLATILE ORGANIC COMPOUNDS and ORGANIC HAZARDOUS AIR POLLUTANTS**

Req. No.	Applies to	Applicable Requirement	Adoption or Effective Date	Requirement Paraphrase (Information Only)
<b>Wastewater – Process Drains (VOC)</b>				
(Note: Requirements II.F.1 - II.F.4 from 40 CFR Part 60, Subpart QQQ, apply to process drains in individual drain systems and aggregate facilities for which construction, modification, or reconstruction was commenced after 5/4/87. At the time of permit renewal (7/22/10), this included the <b>32</b> process drains for the Isom Stabilizer, TK-471, TK-472, C-19, the north heat exchanger cleaning pad for pump J-1327, and the offload station for TK-471 and the API watercut drain. Tank waterdraw drains equipped with a tightly sealed cap when not in active service are not subject to II.F.1.)				
<b>II.F.1</b>	Subpart QQQ process drains (see note above)	40 CFR 60.692-2(a)(2) [40 CFR 60.692-1(a)] [40 CFR 60.692-4] ----- {PSCAA Reg. I: 6.11} {WAC 173-400-115} <i>Not federally enforceable</i>	11/23/88 11/23/88 11/23/88 ----- 9/26/02 6/8/07	Shall visually or physically inspect drains in active service <b>monthly</b> for indications of low water levels or other conditions that would reduce the effectiveness of the water seal.

Req. No.	Applies to	Applicable Requirement	Adoption or Effective Date	Requirement Paraphrase (Information Only)
<b>II.F.2</b>	Subpart QQQ process drains (see note above)	40 CFR 60.692-2(a)(3) [40 CFR 60.692-1(a)] [40 CFR 60.692-4] ----- {PSCAA Reg. I: 6.11} {WAC 173-400-115} <i>Not federally enforceable</i>	11/23/88 11/23/88 11/23/88 ----- 9/26/02 6/8/07	Shall either visually or physically inspect drains out of active service weekly for indications of low water levels or other conditions that would reduce the effectiveness of the water seal - OR - shall comply with §60.692-2(a)(4) (see II.F.3).
<b>II.F.3</b>	Subpart QQQ process drains (see note above)	40 CFR 60.692-2(a)(4) [40 CFR 60.692-1(a)] [40 CFR 60.692-4] ----- {PSCAA Reg. I: 6.11} {WAC 173-400-115} <i>Not federally enforceable</i>	11/23/88 11/23/88 11/23/88 ----- 9/26/02 6/8/07	As an alternative to §60.692-2(a)(3) (see II.F.2), may install a tightly sealed cap or plug over drains out of active service, and inspect it semiannually to ensure caps or plugs are properly installed.
<b>II.F.4</b>	Subpart QQQ process drains (see note above)	40 CFR 60.692-2(a)(5) [40 CFR 60.692-1(a)] [40 CFR 60.692-4] ----- {PSCAA Reg. I: 6.11} {WAC 173-400-115} <i>Not federally enforceable</i>	11/23/88 11/23/88 11/23/88 ----- 9/26/02 6/8/07	Whenever low water levels or missing or improperly installed caps or plugs are identified, shall add water or make first efforts at repair as soon as practicable, but not later than 24 hrs after detection, except as provided in §60.692-6 (see II.F.20, II.F.21).

Req. No.	Applies to	Applicable Requirement	Adoption or Effective Date	Requirement Paraphrase (Information Only)
<b>Wastewater – Junction Boxes (VOC)</b>				
(Note: Requirements II.F.5 and II.F.6 from 40 CFR Part 60, Subpart QQQ, apply to junction boxes (manholes, access points, lift stations) in individual drain systems and aggregate facilities for which construction, modification, or reconstruction was commenced after 5/4/87. At the time of permit renewal (7/22/10), this included <b>10</b> junction boxes for the individual drain systems for the Isom Stabilizer, TK-5003, TK-10010, TK-30005, TK-30006, TK-80001, TK-80002, TK-80003, TK-80004, TK-80020, TK-80021, TK-80022, TK-300001, TK-300002, C-19, and the north heat exchanger cleaning pad pump J-1327.)				
<b>II.F.5</b>	Subpart QQQ junction boxes (see note above)	40 CFR 60.692-2(b)(3) [40 CFR 60.692-1(a)] [40 CFR 60.692-4] ----- {PSCAA Reg. I: 6.11} {WAC 173-400-115} <i>Not federally enforceable</i>	11/23/88 11/23/88 11/23/88 ----- 9/26/02 6/8/07	Shall visually inspect <b>semiannually</b> to ensure that the cover is in place and the cover has a tight seal around the edge.
<b>II.F.6</b>	Subpart QQQ junction boxes (see note above)	40 CFR 60.692-2(b)(4) [40 CFR 60.692-1(a)] [40 CFR 60.692-4] ----- {PSCAA Reg. I: 6.11} {WAC 173-400-115} <i>Not federally enforceable</i>	11/23/88 11/23/88 11/23/88 ----- 9/26/02 6/8/07	If a broken seal or gap is identified, shall make first effort at repair <b>as soon as practicable, but not later than 15 calendar days after the broken seal or gap is identified</b> , except as provided in §60.692–6 (see II.F.20, II.F.21).

Req. No.	Applies to	Applicable Requirement	Adoption or Effective Date	Requirement Paraphrase (Information Only)
<b>Wastewater – Sewer Lines (VOC)</b>				
(Note: Requirements II.F.7 and II.F.8 from 40 CFR Part 60, Subpart QQQ, apply to above-grade, lateral, trunk, and branch sewer lines in individual drain systems and aggregate facilities for which construction, modification, or reconstruction was commenced after 5/4/87. At the time of permit renewal (7/22/10), this included the above-grade sewer lines for the Isom Stabilizer, TK-5003, TK-10010, TK-30005, TK-30006, TK-80001, TK-80002, TK-80003, TK-80004, TK-80020, TK-80021, TK-80022, TK-300001, TK-300002, C-19, and the north heat exchanger cleaning pad pump J-1327.)				
<b>II.F.7</b>	Subpart QQQ sewer lines (see note above)	40 CFR 60.692-2(c)(2) [40 CFR 60.692-1(a)] [40 CFR 60.692-4] ----- {PSCAA Reg. I: 6.11} {WAC 173-400-115} <i>Not federally enforceable</i>	11/23/88 11/23/88 11/23/88 ----- 9/26/02 6/8/07	Shall visually inspect above-grade lines <b>semiannually</b> for indication of cracks, gaps, or other problems.
<b>II.F.8</b>	Subpart QQQ sewer lines (see note above)	40 CFR 60.692-2(c)(3) [40 CFR 60.692-1(a)] [40 CFR 60.692-4] ----- {PSCAA Reg. I: 6.11} {WAC 173-400-115} <i>Not federally enforceable</i>	11/23/88 11/23/88 11/23/88 ----- 9/26/02 6/8/07	Whenever cracks, gaps, or other problems are detected, shall repair <b>as soon as practicable, but not later than 15 calendar days after identification</b> , except as provided in §60.692-6 (see II.F.20, II.F.21).

Req. No.	Applies to	Applicable Requirement	Adoption or Effective Date	Requirement Paraphrase (Information Only)
<b>Wastewater – Oil-Water Separator Tanks, Slop Oil Tanks, Storage Vessels and Auxiliary Equipment (VOC)</b>				
(Note: Requirements II.F.9 and II.F.10 from 40 CFR Part 60, Subpart QQQ, apply to the following sources in individual drain systems and aggregate facilities for which construction, modification, or reconstruction was commenced after 5/4/87: oil-water separator forebays, tanks (other than those subject to NSPS Subpart Kb) used to handle slop oil from the separator (until the oil is returned to a process unit or is disposed of), and to storage vessels and auxiliary equipment located between the individual drain systems and the oil-water separator. At the time of permit renewal (7/22/10), this included the API oil-water separator forebay, slop oil tanks TK-471, TK-472, three portable oil separation tanks, and the vacuum tank trucks used to transfer oily wastewater from the API separator to the recovered oil tanks or from tanks TK-30005 and TK-30006 to the API separator.)				
<b>II.F.9</b>	Subpart QQQ oil-water separator forebays and slop oil tanks (see note above) (included API oil-water separator forebay 3 portable oil separation tanks, TK-471, TK-472)	40 CFR 60.692-3(a)(4) [40 CFR 60.693-2(c)] [40 CFR 60.692-1(a)] [40 CFR 60.692-4] ----- {PSCAA Reg. I: 6.11} {WAC 173-400-115} <i>Not federally enforceable</i>	10/17/00 8/18/95 11/23/88 11/23/88 ----- 9/26/02 6/8/07	Shall visually inspect all roof seals, access doors and other openings <b>semiannually</b> to ensure that no cracks or gaps occur between the roof and wall and that access doors and other openings are closed and gasketed properly.  <i>(Note: For vacuum tank trucks, the external visual inspections required under 49 CFR 180.407 fulfill this requirement provided that the inspection records required under 49 CFR 180.417(b) are maintained as required under Section V.N of this permit.)</i>

Req. No.	Applies to	Applicable Requirement	Adoption or Effective Date	Requirement Paraphrase (Information Only)
<b>II.F.10</b>	Subpart QQQ oil- water separator forebays and slop oil tanks (see note above) (included API oil- water separator forebay,. 3 portable oil separation tanks, TK- 471, TK- 472)	40 CFR 60.692-3(a)(5) [40 CFR 60.693-2(c)] [40 CFR 60.692-1(a)] [40 CFR 60.692-4] ----- {PSCAA Reg. I: 6.11} {WAC 173-400-115} <i>Not federally enforceable</i>	10/17/00 8/18/95 11/23/88 11/23/88 ----- 9/26/02 6/8/07	If a broken seal or gasket or other problem is identified, shall make first efforts at repair <b>as soon as practicable, but not later than 15 calendar days after it is identified</b> , except as provided in §60.692-6 (see II.F.20, II.F.21).
<b>Wastewater – API Oil-Water Separator Floating Roof (VOC)</b>				
(Note: Requirements II.F.11 - II.F.19 from 40 CFR Part 60, Subpart QQQ, apply to oil-water separators in aggregate facilities for which construction, modification, or reconstruction was commenced after 5/4/87. At the time of permit renewal (7/22/10), this included the API oil-water separator.)				

Req. No.	Applies to	Applicable Requirement	Adoption or Effective Date	Requirement Paraphrase (Information Only)
<b>II.F.11</b>	Subpart QQQ oil-water separators (see note above) (included API oil-water separator)	40 CFR 60.693-2(a)(1)(iii)(A) 40 CFR 60.696(d)(2)(i) [40 CFR 60.692-1(a)] [40 CFR 60.692-4] ----- {PSCAA Reg. I: 6.11} {WAC 173-400-115} <i>Not federally enforceable</i>	8/18/95  11/23/88 11/23/88 11/23/88 ----- 9/26/02 6/8/07	Shall measure the primary seal gaps <b>at least once every 5 yrs.</b> (see II.F.14 - II.F.16)
<b>II.F.12</b>	Subpart QQQ oil-water separators (see note above) (included API oil-water separator)	40 CFR 60.693-2(a)(1)(iii)(B) 40 CFR 60.696(d)(2)(ii) [40 CFR 60.692-1(a)] [40 CFR 60.692-4] ----- {PSCAA Reg. I: 6.11} {WAC 173-400-115} <i>Not federally enforceable</i>	8/18/95  11/23/88 11/23/88 11/23/88 ----- 9/26/02 6/8/07	Shall measure the secondary seal gaps <b>at least once every yr.</b> (see II.F.14 - II.F.16)
<b>II.F.13</b>	Subpart QQQ oil-water separators (see note above) (included API oil-water separator)	40 CFR 60.696(d)(1) [40 CFR 60.693-2(a)(1)(iii)] [40 CFR 60.692-1(b)] ----- {PSCAA Reg. I: 6.11} {WAC 173-400-115} <i>Not federally enforceable</i>	11/23/88 8/18/95  11/23/88 ----- 9/26/02 6/8/07	Shall measure the primary and secondary seal gaps within 60 calendar days after the equipment is placed back into service after being out of service for $\geq 1$ yr. (see II.F.14 - II.F.16)



Req. No.	Applies to	Applicable Requirement	Adoption or Effective Date	Requirement Paraphrase (Information Only)
<b>II.F.14</b>	Subpart QQQ oil-water separators (see note above) (included API oil-water separator)	40 CFR 60.696(d)(1)(i) [40 CFR 60.692-1(b)] ----- {PSCAA Reg. I: 6.11} {WAC 173-400-115} <i>Not federally enforceable</i>	11/23/88 11/23/88 ----- 9/26/02 6/8/07	Shall measure the primary and secondary seal gaps (when the roof is floating off the roof supports) around the entire perimeter of the separator in each place where a 1/8" diameter probe passes freely (without forcing or binding against seal) and measure the circumferential distance of each such location.
<b>II.F.15</b>	Subpart QQQ oil-water separators (see note above) (included API oil-water separator)	40 CFR 60.696(d)(1)(ii) [40 CFR 60.692-1(b)] ----- {PSCAA Reg. I: 6.11} {WAC 173-400-115} <i>Not federally enforceable</i>	11/23/88 11/23/88 ----- 9/26/02 6/8/07	Shall determine the total surface area of each gap by using probes of various widths to accurately measure the actual distance from the tank wall to the seal and multiplying each such width by its respective circumferential distance.
<b>II.F.16</b>	Subpart QQQ oil-water separators (see note above) (included API oil-water separator)	40 CFR 60.696(d)(1)(iii) [40 CFR 60.692-1(b)] ----- {PSCAA Reg. I: 6.11} {WAC 173-400-115} <i>Not federally enforceable</i>	11/23/88 11/23/88 ----- 9/26/02 6/8/07	Shall add the gap surface area of each gap location and divide the sum by the nominal circumference of the separator and compare each ratio to the appropriate ratio in the standard in §60.693-2 (see I.F.22, I.F.24).

Req. No.	Applies to	Applicable Requirement	Adoption or Effective Date	Requirement Paraphrase (Information Only)
<b>II.F.17</b>	Subpart QQQ oil-water separators (see note above) (included API oil-water separator)	40 CFR 60.693-2(a)(1)(iv) [40 CFR 60.692-1(a)] [40 CFR 60.692-4] ----- {PSCAA Reg. I: 6.11} {WAC 173-400-115} <i>Not federally enforceable</i>	8/18/95  11/23/88 11/23/88 ----- 9/26/02 6/8/07	Shall make necessary repairs within 30 calendar days of identification of any seals not meeting the requirements, except as provided in §60.692–6 (see II.F.20, II.F.21).
<b>II.F.18</b>	Subpart QQQ oil-water separators (see note above) (included API oil-water separator)	40 CFR 60.693-2(a)(5)(i) [40 CFR 60.692-1(a)] [40 CFR 60.692-4] ----- {PSCAA Reg. I: 6.11} {WAC 173-400-115} <i>Not federally enforceable</i>	8/18/95  11/23/88 11/23/88 ----- 9/26/02 6/8/07	Shall visually inspect access doors and other openings <b>semiannually</b> .
<b>II.F.19</b>	Subpart QQQ oil-water separators (see note above) (included API oil-water separator)	40 CFR 60.693-2(a)(5)(ii) [40 CFR 60.692-1(a)] [40 CFR 60.692-4] ----- {PSCAA Reg. I: 6.11} {WAC 173-400-115} <i>Not federally enforceable</i>	8/18/95  11/23/88 11/23/88 ----- 9/26/02 6/8/07	Shall repair broken seals or gaskets <b>as soon as practicable, but not later than 30 calendar days after it is identified</b> , except as provided in §60.692–6 (see II.F.20, II.F.21).

Req. No.	Applies to	Applicable Requirement	Adoption or Effective Date	Requirement Paraphrase (Information Only)
<b>Wastewater – Delay of Repair (VOC)</b>				
(Note: Requirements II.F.20 and II.F.21 apply to the NSPS Subpart QQQ wastewater facilities listed in II.F.1 - II.F.19.)				
<b>II.F.20</b>	Subpart QQQ affected facilities (see note above)	40 CFR 60.692-6(a) ----- {PSCAA Reg. I: 6.11} {WAC 173-400-115} <i>Not federally enforceable</i>	11/23/88 ----- 9/26/02 6/8/07	May delay any Subpart QQQ required repair if it is technically impossible without a refinery or process unit shutdown.
<b>II.F.21</b>	Subpart QQQ affected facilities (see note above)	40 CFR 60.692-6(b) ----- {PSCAA Reg. I: 6.11} {WAC 173-400-115} <i>Not federally enforceable</i>	11/23/88 ----- 9/26/02 6/8/07	Shall conduct all repairs before the end of the next refinery or process unit shutdown, whichever occurs first.
<b>Wastewater – Recordkeeping (VOC)</b>				
(Note: Requirements II.F.22 - II.F.34 apply to the NSPS Subpart QQQ wastewater facilities listed in II.F.1 - II.F.19.)				
<b>II.F.22</b>	Subpart QQQ process drains (see note above)	40 CFR 60.697(b)(1) ----- {PSCAA Reg. I: 6.11} {WAC 173-400-115} <i>Not federally enforceable</i>	10/17/00 ----- 9/26/02 6/8/07	Shall record the location, date, and corrective action when a water seal is dry or otherwise breached, and when a cap or plug is missing or improperly installed.

Req. No.	Applies to	Applicable Requirement	Adoption or Effective Date	Requirement Paraphrase (Information Only)
<b>II.F.23</b>	Subpart QQQ process drains (see note above)	40 CFR 60.697(g) ----- {PSCAA Reg. I: 6.11} {WAC 173-400-115} <i>Not federally enforceable</i>	10/17/00 ----- 9/26/02 6/8/07	If a tightly sealed cap or plug is installed over a drain that is out of active service, shall keep plans or specifications which indicate the location of such drains in a readily accessible location.
<b>II.F.24</b>	Subpart QQQ junction boxes (see note above)	40 CFR 60.697(b)(2) ----- {PSCAA Reg. I: 6.11} {WAC 173-400-115} <i>Not federally enforceable</i>	10/17/00 ----- 9/26/02 6/8/07	Shall record the location, date, and corrective action when a broken seal, gap, or other problem is identified.
<b>II.F.25</b>	Subpart QQQ sewer lines (see note above)	40 CFR 60.697(b)(1) ----- {PSCAA Reg. I: 6.11} {WAC 173-400-115} <i>Not federally enforceable</i>	10/17/00	Shall record the location, date, and corrective action when any cracks, visual gaps, or other problems are identified.

Req. No.	Applies to	Applicable Requirement	Adoption or Effective Date	Requirement Paraphrase (Information Only)
<b>II.F.26</b>	Subpart QQQ oil- water separator forebays and slop oil tanks (see note above) (included API oil- water separator forebay,. 3 portable oil separation tanks, TK- 471, TK- 472)	40 CFR 60.697(c) ----- {PSCAA Reg. I: 6.11} {WAC 173-400-115} <i>Not federally enforceable</i>	10/17/00 ----- 9/26/02 6/8/07	Shall record the location, date, and corrective action for each inspection required by §60.692–3(a) (see II.F.9) when a problem is identified.
<b>II.F.27</b>	API separator	40 CFR 60.697(c) ----- {PSCAA Reg. I: 6.11} {WAC 173-400-115} <i>Not federally enforceable</i>	10/17/00 ----- 9/26/02 6/8/07	Shall record the location, date, and corrective action of each inspection required by §60.693–2(a)(1)(iii)(A), §60.693–2(a)(1)(iii)(B), §60.696(d)(1), and §60.693–2(a)(5)(i) (see II.F.11, II.F.12, II.F.13, II.F.18) when a problem is identified.

Req. No.	Applies to	Applicable Requirement	Adoption or Effective Date	Requirement Paraphrase (Information Only)
<b>II.F.28</b>	Subpart QQQ affected facilities (see note above)	<i>Established pursuant to:</i> WAC 173-401-615(1)(b) WAC 173-401-615(2)(a) PSCAA Reg. I: 7.09(b) ----- PSCAA Reg. I: 7.09(b) <i>Not federally enforceable</i>	10/17/02 10/17/02 9/10/98 ----- 9/25/08	US Oil shall record the location and date of each inspection required by Subpart QQQ, - even when no problem is identified - and shall also record: - The time of the inspection; - Who conducted the inspection; - The results of the inspection; - The date and results of any corrective actions taken; and - Who took the corrective actions.
<b>II.F.29</b>	Subpart QQQ affected facilities (see note above)	40 CFR 60.697(e) ----- {PSCAA Reg. I: 6.11} {WAC 173-400-115} <i>Not federally enforceable</i>	10/17/00 ----- 9/26/02 6/8/07	If an emission point cannot be repaired or corrected without a process unit shutdown, shall record: - the expected date of successful repair; - the reason for the delay; - the signature of the person whose decision it was that repair could not be effected without the shutdown; and - the date of successful repair or corrective action.
<b>II.F.30</b>	Subpart QQQ affected facilities (see note above)	40 CFR 60.697(f)(1) ----- {PSCAA Reg. I: 6.11} {WAC 173-400-115} <i>Not federally enforceable</i>	10/17/00 ----- 9/26/02 6/8/07	Shall keep a copy of the design specifications for all equipment used to comply with the provisions of Subpart QQQ in a readily accessible location.
<b>II.F.31</b>	Subpart QQQ affected facilities (see note above)	40 CFR 60.697(f)(2)(i) ----- {PSCAA Reg. I: 6.11} {WAC 173-400-115} <i>Not federally enforceable</i>	10/17/00 ----- 9/26/02 6/8/07	Shall keep detailed schematics, and piping and instrumentation diagrams.

Req. No.	Applies to	Applicable Requirement	Adoption or Effective Date	Requirement Paraphrase (Information Only)
<b>II.F.32</b>	Subpart QQQ affected facilities (see note above)	40 CFR 60.697(f)(2)(ii) ----- {PSCAA Reg. I: 6.11} {WAC 173-400-115} <i>Not federally enforceable</i>	10/17/00 ----- 9/26/02 6/8/07	Shall keep a record of the dates and descriptions of any changes in the design specifications.
<b>II.F.33</b>	Subpart QQQ affected facilities (see note above)	40 CFR 60.7(b) ----- {PSCAA Reg. I: 6.11} {WAC 173-400-115} <i>Not federally enforceable</i>	2/12/99 ----- 9/26/02 6/8/07	Shall record the occurrence and duration of any startup, shutdown, or malfunction in the operation of each affected facility.
<b>II.F.34</b>	Subpart QQQ affected facilities (see note above)	40 CFR 60.7(f) ----- {PSCAA Reg. I: 6.11} {WAC 173-400-115} <i>Not federally enforceable</i>	2/12/99 ----- 9/26/02 6/8/07	Shall record in a permanent form suitable for inspection: all measurements and all information required by 40 CFR Part 60.

Req. No.	Applies to	Applicable Requirement	Adoption or Effective Date	Requirement Paraphrase (Information Only)
<b>Wastewater – Total Annual Benzene Quantity</b>				
(Note: Requirements II.F.35 - II.F.54 apply to 40 CFR Part 61, Subpart FF waste streams [e.g., process wastewater, product tank drawdown, sludge and slop oil removed from waste management units] having a flow-weighted annual avg. water content >10% by volume, or that is mixed with water or other wastes at any time and the resulting mixture has an annual avg. water content >10%. At the time of permit renewal (7/22/10), this included process wastewater streams from V-3, V-20, V-25, V-69, V-801, V-1101, C-731, C-1101, and Desalter/TK-2001, TK-2002, TK-2004, and product tank waterdraws from the MACT Group 1 and NSPS Subpart Kb storage tanks.)				
<b>II.F.35</b>	Subpart FF waste streams (see note above)	40 CFR 61.355(a)(4)(ii) {40 CFR 61.05(c)} ----- {PSCAA Reg. III: 2.02} {WAC 173-400-075} <i>Not federally enforceable</i>	10/17/00 11/7/85 ----- 9/26/02 6/8/07	Shall determine the total annual benzene quantity <b>at least annually</b> and <b>whenever there is a change that could cause the total annual benzene quantity to increase to ≥10 Mg/yr.</b>
<b>II.F.36</b>	Subpart FF waste streams (see note above)	40 CFR 61.355(a)(2) {40 CFR 61.05(c)} ----- {PSCAA Reg. III: 2.02} {WAC 173-400-075} <i>Not federally enforceable</i>	10/17/00 11/7/85 ----- 9/26/02 6/8/07	Shall determine the total annual benzene quantity by adding together the annual benzene quantity for each waste stream generated during the yr and the annual benzene quantity for each process unit turnaround waste annualized according to §61.355(b)(4) (see II.F.41).
<b>II.F.37</b>	Subpart FF waste streams (see note above)	40 CFR 61.355(a)(6) {40 CFR 61.05(c)} ----- {PSCAA Reg. III: 2.02} {WAC 173-400-075} <i>Not federally enforceable</i>	10/17/00 11/7/85 ----- 9/26/02 6/8/07	Shall include the annual benzene quantity from all waste streams generated that yr in the determination of total annual benzene quantity, except as provided for process unit turnaround waste in §61.355(b)(4) (see II.F.41).



Req. No.	Applies to	Applicable Requirement	Adoption or Effective Date	Requirement Paraphrase (Information Only)
<b>Wastewater – Annual Benzene Quantities</b>				
<b>II.F.38</b>	Subpart FF waste streams (see note above)	40 CFR 61.355(a)(1)(iii) {40 CFR 61.05(c)} ----- {PSCAA Reg. III: 2.02} {WAC 173-400-075} <i>Not federally enforceable</i>	10/17/00 11/7/85 ----- 9/26/02 6/8/07	Shall calculate the annual benzene quantity for each waste stream by multiplying the annual waste quantity of the waste stream times the flow-weighted annual avg. benzene concentration.
<b>Wastewater – Annual Waste Quantities</b>				
<b>II.F.39</b>	Subpart FF waste streams (see note above)	40 CFR 61.355(b) 40 CFR 61.355(b)(5) 40 CFR 61.355(b)(6) 40 CFR 61.355(b)(7) [40 CFR 61.355(a)(1)(i)] {40 CFR 61.05(c)} ----- {PSCAA Reg. III: 2.02} {WAC 173-400-075} <i>Not federally enforceable</i>	10/17/00 10/17/00 10/17/00 10/17/00 10/17/00 11/7/85 ----- 9/26/02 6/8/07	Shall determine the annual waste quantity at the point of waste generation, except as provided in §61.355(b)(1) (see II.F.40) and §61.355(b)(4) (see II.F.41), by one of the following methods: (5) Select the highest annual quantity of waste managed from historical records representing the most recent 5 yr of operation; <i>or</i> (6) Use the maximum design capacity of the waste management unit; <i>or</i> (7) Use measurements that are representative of maximum waste generation rates.
<b>II.F.40</b>	Subpart FF waste streams (see note above)	40 CFR 61.355(b)(1) [40 CFR 61.355(a)(1)(i)] {40 CFR 61.05(c)} ----- {PSCAA Reg. III: 2.02} {WAC 173-400-075} <i>Not federally enforceable</i>	10/17/00 10/17/00 11/7/85 ----- 9/26/02 6/8/07	Shall determine the annual waste quantity for sour water streams that are processed in sour water strippers at the point that the water exits the sour water stripper.

Req. No.	Applies to	Applicable Requirement	Adoption or Effective Date	Requirement Paraphrase (Information Only)
<b>II.F.41</b>	Subpart FF waste streams (see note above)	40 CFR 61.355(b)(4) [40 CFR 61.355(a)(1)(i)] {40 CFR 61.05(c)} ----- {PSCAA Reg. III: 2.02} {WAC 173-400-075} <i>Not federally enforceable</i>	10/17/00 10/17/00 11/7/85 ----- 9/26/02 6/8/07	Shall either include the process unit turnaround waste quantity in the calculation of the annual benzene quantity for the yr in which the turnaround occurs, or, if generated at $\geq 2$ yr intervals, US Oil may divide the total quantity of waste generated during the most recent process unit turnaround by the time period (to the nearest tenth of a yr) between the turnaround resulting in generation of the waste and the most recent preceding process unit turnaround. If annualized, the resulting annual waste quantity shall be included in the calculation of the annual benzene quantity for each subsequent yr until the unit undergoes the next process unit turnaround.
<b>Wastewater – Flow-Weighted Annual Average Benzene Concentrations</b>				
<b>II.F.42</b>	Subpart FF waste streams (see note above)	40 CFR 61.355(c) [40 CFR 61.355(a)(1)(ii)] {40 CFR 61.05(c)} ----- {PSCAA Reg. III: 2.02} {WAC 173-400-075} <i>Not federally enforceable</i>	10/17/00 10/17/00 11/7/85 ----- 9/26/02 6/8/07	Shall determine the flow-weighted annual avg. benzene concentration in a manner that meets the requirements given in §61.355(c)(1) (see II.F.43 - II.F.47) using <i>either</i> of the methods given in §61.355(c)(2) (see II.F.48) and §61.355(c)(3) (see II.F.49 - II.F.52).
<b>II.F.43</b>	Subpart FF waste streams (see note above)	40 CFR 61.355(c)(1)(i) [40 CFR 61.355(a)(1)(ii)] {40 CFR 61.05(c)} ----- {PSCAA Reg. III: 2.02} {WAC 173-400-075} <i>Not federally enforceable</i>	10/17/00 10/17/00 11/7/85 ----- 9/26/02 6/8/07	Shall determine the flow-weighted annual avg. benzene concentration at the point of waste generation except that: - The determination for sour water streams that are processed in sour water strippers shall be made at the point that the water exits the sour water stripper; and - The determination of flow-weighted annual avg. benzene concentration for process unit turnaround waste shall be made using either of the methods given in §61.355(c)(2) (see II.F.48) or §61.355(c)(3) (see II.F.49 - II.F.52).

Req. No.	Applies to	Applicable Requirement	Adoption or Effective Date	Requirement Paraphrase (Information Only)
<b>II.F.44</b>	Subpart FF waste streams (see note above)	40 CFR 61.355(c)(1)(ii) [40 CFR 61.355(a)(1)(ii)] {40 CFR 61.05(c)} ----- {PSCAA Reg. III: 2.02} {WAC 173-400-075} <i>Not federally enforceable</i>	10/17/00 10/17/00 11/7/85 ----- 9/26/02 6/8/07	Shall not volatilize the benzene in the waste stream used in determining the flow-weighted annual avg. benzene concentration.
<b>II.F.45</b>	Subpart FF waste streams (see note above)	40 CFR 61.355(c)(1)(iii) [40 CFR 61.355(a)(1)(ii)] {40 CFR 61.05(c)} ----- {PSCAA Reg. III: 2.02} {WAC 173-400-075} <i>Not federally enforceable</i>	10/17/00 10/17/00 11/7/85 ----- 9/26/02 6/8/07	Shall not mix or dilute the waste stream used in determining the flow-weighted annual avg. benzene concentration with other wastes or other materials.
<b>II.F.46</b>	Subpart FF waste streams (see note above)	40 CFR 61.355(c)(1)(iv) [40 CFR 61.355(a)(1)(ii)] {40 CFR 61.05(c)} ----- {PSCAA Reg. III: 2.02} {WAC 173-400-075} <i>Not federally enforceable</i>	10/17/00 10/17/00 11/7/85 ----- 9/26/02 6/8/07	Shall determine the flow-weighted annual avg. benzene concentration prior to any treatment of the waste that removes benzene, except as provided in §61.355(c)(1)(i) (see II.F.43).

Req. No.	Applies to	Applicable Requirement	Adoption or Effective Date	Requirement Paraphrase (Information Only)
<b>II.F.47</b>	Subpart FF waste streams (see note above)	40 CFR 61.355(c)(1)(v) [40 CFR 61.355(a)(1)(ii)] {40 CFR 61.05(c)} ----- {PSCAA Reg. III: 2.02} {WAC 173-400-075} <i>Not federally enforceable</i>	10/17/00  10/17/00 11/7/85 ----- 9/26/02 6/8/07	Shall determine the flow-weighted annual avg. benzene concentration based on the benzene concentration in each phase of the waste and the relative proportion of the phases.
<b>II.F.48</b>	Subpart FF waste streams (see note above)	40 CFR 61.355(c)(2) [40 CFR 61.355(a)(1)(ii)] {40 CFR 61.05(c)} ----- {PSCAA Reg. III: 2.02} {WAC 173-400-075} <i>Not federally enforceable</i>	10/17/00  10/17/00 11/7/85 ----- 9/26/02 6/8/07	<i>If determining the flow-weighted annual avg. benzene concentration based upon knowledge of the waste</i> , shall provide sufficient information to document the flow-weighted annual avg. benzene concentration of each waste stream. Examples of information that could constitute knowledge include material balances, records of chemicals purchases, or previous test results provided the results are still relevant to the current waste stream conditions. If test data are used, then shall provide documentation describing the testing protocol and the means by which sampling variability and analytical variability were accounted for in the determination of the flow-weighted annual avg. benzene concentration for the waste stream. When PSCAA does not agree on determinations of the flow-weighted annual avg. benzene concentration based on knowledge of the waste, the procedures under §61.355(c)(3) (see II.F.49 - II.F.52) shall be used.
<b>II.F.49</b>	Subpart FF waste streams (see note above)	40 CFR 61.355(c)(3)(i) [40 CFR 61.355(a)(1)(ii)] {40 CFR 61.05(c)} ----- {PSCAA Reg. III: 2.02} {WAC 173-400-075} <i>Not federally enforceable</i>	10/17/00  10/17/00 11/7/85 ----- 9/26/02 6/8/07	<i>If determining the flow-weighted annual avg. benzene concentration based upon measurements</i> , shall collect $\geq 3$ representative samples from each waste stream and, where feasible, take samples from an enclosed pipe prior to the waste being exposed to the atmosphere.

Req. No.	Applies to	Applicable Requirement	Adoption or Effective Date	Requirement Paraphrase (Information Only)
<b>II.F.50</b>	Subpart FF waste streams (see note above)	40 CFR 61.355(c)(3)(iii) [40 CFR 61.355(a)(1)(ii)] {40 CFR 61.05(c)} ----- {PSCAA Reg. III: 2.02} {WAC 173-400-075} <i>Not federally enforceable</i>	10/17/00 10/17/00 11/7/85 ----- 9/26/02 6/8/07	<i>If determining the flow-weighted annual avg. benzene concentration based upon measurements, shall collect samples in a manner to minimize exposure of the sample to the atmosphere and loss of benzene when sampling from an enclosed pipe is not feasible.</i>
<b>II.F.51</b>	Subpart FF waste streams (see note above)	40 CFR 61.355(c)(3)(iv) [40 CFR 61.355(a)(1)(ii)] {40 CFR 61.05(c)} ----- {PSCAA Reg. III: 2.02} {WAC 173-400-075} <i>Not federally enforceable</i>	10/17/00 10/17/00 11/7/85 ----- 9/26/02 6/8/07	<i>If determining the flow-weighted annual avg. benzene concentration based upon measurements, shall analyze samples using one of the following test methods: SW-846 Method 8020, 8021, 8240, or 8260 (see EPA Pub. No. SW-846); 40 CFR Part 136 App. A Method 602 or 624.</i>
<b>II.F.52</b>	Subpart FF waste streams (see note above)	40 CFR 61.355(c)(3)(v) [40 CFR 61.355(a)(1)(ii)] {40 CFR 61.05(c)} ----- {PSCAA Reg. III: 2.02} {WAC 173-400-075} <i>Not federally enforceable</i>	10/17/00 10/17/00 11/7/85 ----- 9/26/02 6/8/07	<i>If determining the flow-weighted annual avg. benzene concentration based upon measurements, shall calculate the flow-weighted annual avg. benzene concentration by averaging the results of the sample analyses as follows:</i> $C = 1/Q_t \times \sum_{i=1}^n (Q_i)(C_i)$
<b>Wastewater – Recordkeeping (Benzene)</b>				

Req. No.	Applies to	Applicable Requirement	Adoption or Effective Date	Requirement Paraphrase (Information Only)
<b>II.F.53</b>	Subpart FF waste streams (see note above)	40 CFR 61.356(b) 40 CFR 61.356(b)(1) 40 CFR 61.356(b)(5) [40 CFR 61.355(a)(4)(i)] {40 CFR 61.05(c)} ----- {PSCAA Reg. III: 2.02} {WAC 173-400-075} <i>Not federally enforceable</i>	11/12/02 11/12/02 11/12/02 10/17/00 11/7/85 ----- 9/26/02 6/8/07	Shall record: the identity of each waste stream at the facility and whether or not it is controlled for benzene emissions: (1) All test results, measurements, calculations, and other documentation used to determine the following information for the waste stream: waste stream identification, water content, whether or not the waste stream is a process wastewater stream, annual waste quantity, range of benzene concentrations, annual avg. flow-weighted benzene concentration, and annual benzene quantity; (5) Where the annual waste quantity for process unit turnaround waste is determined in accordance with §61.355(b)(4) (see II.F.41), all test results, measurements, calculations, and other documentation used to determine the following information: identification of each process unit at the facility that undergoes turnarounds, the date of the most recent turnaround for each process unit, identification of each process unit turnaround waste, the water content of each process unit turnaround waste, the annual waste quantity determined in accordance with §61.355(b)(4), the range of benzene concentrations in the waste, the annual avg. flow-weighted benzene concentration of the waste, and the annual benzene quantity calculated in accordance with §61.355(a)(1)(iii) (see II.F.38).
<b>II.F.54</b>	Subpart FF waste streams (see note above)	<i>Established pursuant to:</i> WAC 173-401-615(1)(b) WAC 173-401-615(2)(a) PSCAA Reg. I: 7.09(b) ----- PSCAA Reg. I: 7.09(b) <i>Not federally enforceable</i>	10/17/02 10/17/02 9/10/98 ----- 9/25/08	US Oil shall also record (in addition to the data specified in II.F.53): - The date and time of any testing, sampling or measurement; - Who conducted the testing, sampling or measurement; - The name of the person that performed the analyses; - The date(s) analyses were performed; and - The analytical techniques or methods used.
<b>II.F.55</b>	Process units	40 CFR 61.246(i)(2) [40 CFR 61.110(c)(1)]	12/14/00 12/14/00	Shall keep a record in a readily accessible location containing an analysis demonstrating that equipment is not in benzene service, as defined in §61.111 in order to document the exemption from Subparts J and V.
<b>Process Unit Turnarounds (VOC)</b>				
<b>II.F.56</b>	Process units	PSCAA Reg. II: 2.03(d)(3)	6/13/91	Shall keep a record of each process unit turnaround listing the date the unit was shut down and the pressure in the vessel when it was vented to the ambient air.

Req. No.	Applies to	Applicable Requirement	Adoption or Effective Date	Requirement Paraphrase (Information Only)
<b>Process Drains (VOC)</b>				
(Note: Requirements II.F.57 and II.F.58 apply to all process drains from petroleum refining process units that contact VOC with a true vapor pressure $\geq 1.5$ psia @ 20 °C. At the time of permit renewal (7/22/10), US Oil had <b>4</b> process drains that met these criteria.)				
<b>II.F.57</b>	Process drains contacting VOC $\geq 1.5$ psia (see note above)	PSCAA Reg. II: 2.03(e)(1)(A)	6/13/91	Shall monitor <b>annually</b> in accordance with EPA Method 21 (see 40 CFR Part 60, App. A, 7/1/10) and 40 CFR 60.485(b), (11/16/07).
<b>II.F.58</b>	Process drains contacting VOC $\geq 1.5$ psia (see note above)	PSCAA Reg. II: 2.03(e)(4) PSCAA Reg. II: 2.03(e)(1)(F)	6/13/91 6/13/91	Shall correct and retest leaking components, as soon as practicable, but $\leq 15$ days after the leak is found; if a leak continues after all reasonable corrective actions have been taken, then the component shall be repaired or replaced during the next process unit turnaround.
<b>Valves and Compressors in Gas/Vapor Service (VOC)</b>				
(Note: Requirements II.F.59 and II.F.60 apply to all valves and compressors in petroleum refining process units [except for pressure relief valves, valves on storage tanks] that contact VOC which is in a gaseous state at operating conditions and has a true vapor pressure $\geq 1.5$ psia @ 20 °C. At the time of permit renewal (7/22/10), US Oil had <b>1981</b> valves and <b>3</b> compressors that met these criteria. Of these, <b>455</b> valves and <b>0</b> compressors were subject to 40 CFR 63.648.)				
<b>II.F.59</b>	Valves and compressors in gas/vapor service contacting	PSCAA Reg. II: 2.03(e)(1)(B)	6/13/91	Shall monitor <b>quarterly</b> in accordance with EPA Method 21 (see 40 CFR Part 60, App. A, 7/1/10) and 40 CFR 60.485(b), (11/16/07).

Req. No.	Applies to	Applicable Requirement	Adoption or Effective Date	Requirement Paraphrase (Information Only)
	VOC $\geq$ 1.5 psia (see note above)			
<b>II.F.60</b>	Valves and compressors in gas/vapor service contacting VOC $\geq$ 1.5 psia (see note above)	PSCAA Reg. II: 2.03(e)(4) PSCAA Reg. II: 2.03(e)(1)(F)	6/13/91 6/13/91	Shall correct and retest leaking components, as soon as practicable, but $\leq$ 15 days after the leak is found; if a leak continues after all reasonable corrective actions have been taken, then the component shall be repaired or replaced during the next process unit turnaround.
<b>Valves in Light Liquid Service (VOC)</b> (Note: Requirements II.F.61 and II.F.62 apply to all valves in petroleum refining process units that contact VOC which is in a liquid state at operating conditions and has a true vapor pressure $\geq$ 1.5 psia @ 20 °C. At the time of permit renewal (7/22/10), US Oil had <b>5043</b> valves that met these criteria. Of these, <b>4284</b> were subject to 40 CFR 63.648.)				
<b>II.F.61</b>	Valves in light liquid service contacting VOC $\geq$ 1.5 psia (see note above)	PSCAA Reg. II: 2.03(e)(1)(A)	6/13/91	Shall monitor <b>annually</b> in accordance with EPA Method 21 (see 40 CFR Part 60, App. A, 7/1/10) and 40 CFR 60.485(b), (11/16/07).
<b>II.F.62</b>	Valves in light liquid service contacting VOC $\geq$ 1.5	PSCAA Reg. II: 2.03(e)(4) PSCAA Reg. II: 2.03(e)(1)(F)	6/13/91 6/13/91	Shall correct and retest leaking components, <b>as soon as practicable, but <math>\leq</math>15 days after the leak is found</b> ; if a leak continues after all reasonable corrective actions have been taken, then the component shall be repaired or replaced <b>during the next process unit turnaround</b> .



Req. No.	Applies to	Applicable Requirement	Adoption or Effective Date	Requirement Paraphrase (Information Only)
	psia (see note above)			
<b>Valves in Light Liquid or Gas/Vapor Service (HAP)</b>				
(Note: Requirements II.F.63 - II.F.70 from 40 CFR Part 63, Subpart CC apply to all valves in petroleum refining process units [except for valves on storage tanks] that contact $\geq 5\%$ by wt. HAP for $\geq 300$ hr/yr which are either in a gaseous state at operating conditions or in a liquid state where the vapor pressure of any components is $>0.04$ psia @ $20^\circ\text{C}$ and the total concentration of those components is $\geq 20\%$ by wt. or where $>10\%$ evaporates @ $150^\circ\text{C}$ using ASTM Method D-86. At the time of permit renewal (7/22/10), US Oil had <b>4769</b> valves that met these criteria. Of these, all <b>4769</b> were subject to PSCAA Reg. II, Section 2.03(e). Because valves in gas/vapor VOC service must be monitored quarterly pursuant to II.F.59, the provisions of 40 CFR 60.483-2 can only be used for valves in light liquid organic HAP service.)				
<b>II.F.63</b>	Subpart CC valves in light liquid or gas/vapor service (see note above)	40 CFR 60.482-7(a) 40 CFR 60.482-7(b) [40 CFR 63.648(a)] {40 CFR 63.4(a)(1)} ----- {PSCAA Reg. III: 2.02} {WAC 173-400-075} <i>Not federally enforceable</i>	10/17/00 10/17/00 8/18/98 4/5/02 ----- 9/26/02 6/8/07	Shall monitor each valve <b>monthly</b> to detect leaks ( $>10,000$ ppm) by the methods specified in §60.485(b), (11/16/07), except as provided in §60.482-7(c), (g), and (h) (see II.F.64, II.F.67, II.F.68), and in §60.483-2 (see II.F.69, II.F.70). Except for a valve that replaces a leaking valve, a valve that begins operation after the initial startup date for the process unit shall be monitored for the first time within 30 days after the end of its startup period, or, if the valves on the process unit are monitored in accordance with §60.483-2, be counted as leaking when calculating the percentage of valves leaking. If $<2.0\%$ of the valves are leaking for that process unit, the valve must be monitored for the first time during the next scheduled monitoring event for existing valves in the process unit or within 90 days, whichever comes first.
<b>II.F.64</b>	Subpart CC valves in light liquid or gas/vapor service (see note above)	40 CFR 60.482-7(c) [40 CFR 63.648(a)] {40 CFR 63.4(a)(1)} ----- {PSCAA Reg. III: 2.02} {WAC 173-400-075} <i>Not federally enforceable</i>	10/17/00 8/18/98 4/5/02 ----- 9/26/02 6/8/07	Any valve for which a leak is not detected for 2 successive months may be monitored the first month of every quarter, beginning with the next quarter, until a leak is detected. If a leak is detected, shall monitor the valve monthly until a leak is not detected for 2 successive months.
<b>II.F.65</b>	Subpart CC valves in	40 CFR 60.482-7(d)(1) [40 CFR 63.648(a)]	10/17/00 8/18/98	Shall repair all leaks as soon as practicable, but $\leq 15$ days after each leak is detected, except as

Req. No.	Applies to	Applicable Requirement	Adoption or Effective Date	Requirement Paraphrase (Information Only)
	light liquid or gas/vapor service (see note above)	{ 40 CFR 63.4(a)(1)} ----- {PSCAA Reg. III: 2.02} {WAC 173-400-075} <i>Not federally enforceable</i>	4/5/02 ----- 9/26/02 6/8/07	provided in §60.482-9 (see II.F.102-II.F.109).
<b>II.F.66</b>	Subpart CC valves in light liquid or gas/vapor service (see note above)	40 CFR 60.482-7(d)(2) 40 CFR 60.482-7(e) [40 CFR 63.648(a)] { 40 CFR 63.4(a)(1)} ----- {PSCAA Reg. III: 2.02} {WAC 173-400-075} <i>Not federally enforceable</i>	10/17/00 10/17/00 8/18/98 4/5/02 ----- 9/26/02 6/8/07	Shall make a first attempt to repair all leaks ≤5 days after each leak is detected. First attempts at repair include, but are not limited to, the following best practices where practicable: tightening of bonnet bolts; replacement of bonnet bolts; tightening of packing gland nuts; injection of lubricant into lubricated packing.
<b>II.F.67</b>	Subpart CC valves in light liquid or gas/vapor service (see note above)	40 CFR 60.482-7(g) [40 CFR 63.648(a)] { 40 CFR 63.4(a)(1)} ----- {PSCAA Reg. III: 2.02} {WAC 173-400-075} <i>Not federally enforceable</i>	10/17/00 8/18/98 4/5/02 ----- 9/26/02 6/8/07	In order for an unsafe-to-monitor valve to be exempted from the requirements of §60.482-7(a) (see II.F.63): Shall demonstrate that the valve is unsafe to monitor because monitoring personnel would be exposed to an immediate danger as a consequence of complying with paragraph (a); and Shall adhere to a written plan that requires monitoring of the valve as frequently as practicable during safe-to-monitor times.
<b>II.F.68</b>	Subpart CC valves in light liquid or gas/vapor service (see note above)	40 CFR 60.482-7(h) [40 CFR 63.648(a)] { 40 CFR 63.4(a)(1)} ----- {PSCAA Reg. III: 2.02} {WAC 173-400-075} <i>Not federally</i>	10/17/00 8/18/98 4/5/02 ----- 9/26/02 6/8/07	In order for a difficult-to-monitor valve to be exempted from the requirements of §60.482-7(a) (see II.F.63): - Shall demonstrate that the valve cannot be monitored without elevating the monitoring personnel >6.5 ft above a support surface; and - Shall designate <3.0% of the total number of valves as difficult-to-monitor, and shall follow a written plan that requires monitoring of the valve at least annually.

Req. No.	Applies to	Applicable Requirement	Adoption or Effective Date	Requirement Paraphrase (Information Only)
	above)	<i>enforceable</i>		
<b>II.F.69</b>	Subpart CC valves in light liquid service (see note above)	40 CFR 60.483-2(b)(1) 40 CFR 60.483-2(b)(2) 40 CFR 60.483-2(b)(3) 40 CFR 60.483-2(b)(4) [40 CFR 63.648(a)] {40 CFR 63.4(a)(1)} ----- {PSCAA Reg. III: 2.02} {WAC 173-400-075} <i>Not federally enforceable</i>	12/14/00 12/14/00 12/14/00 12/14/00 8/18/98 4/5/02 ----- 9/26/02 6/8/07	If using 40 CFR 60.483-2 to reduce the LDAR frequency for valves in light liquid service: (1) Shall comply initially with the requirements for valves in gas/vapor service and valves in light liquid service, as described in §60.482-7 (see II.F.63, II.F.64). (2) After 2 consecutive quarterly leak detection periods with ≤2.0% of the valves leaking [on a refinery-wide basis*], may begin to skip 1 of the quarterly leak detection periods for the valves in gas/vapor and light liquid service. (3) After 5 consecutive quarterly leak detection periods with ≤2.0% of the valves leaking [on a refinery-wide basis*], may begin to skip 3 of the quarterly leak detection periods for the valves in gas/vapor and light liquid service. (4) If >2.0% of the valves are leaking [on a refinery-wide basis*], shall comply with the requirements as described in §60.482-7 but can again elect to use §60.483-2. (*Note: Changing to a process unit basis requires a permit change.)
<b>II.F.70</b>	Subpart CC valves in light service (see note above)	40 CFR 60.483-2(b)(5) [40 CFR 63.648(a)] {40 CFR 63.4(a)(1)} ----- {PSCAA Reg. III: 2.02} {WAC 173-400-075} <i>Not federally enforceable</i>	12/14/00 8/18/98 4/5/02 ----- 9/26/02 6/8/07	If using 40 CFR 60.483-2 to reduce the LDAR frequency for valves in light liquid service: Shall determine the percent of valves leaking by using the following equation: $\%V_L = (V_L/V_T) * 100$ Where: %V <sub>L</sub> = Percent leaking valves V <sub>L</sub> = Number of valves found leaking, including valves for which repair has been delayed and any new valves that were not monitored within 30 days of being placed in service. (If the process unit has been subdivided in accordance with §60.482-7(c)(1)(ii), the sum of valves found leaking during a monitoring period includes all subgroups.) V <sub>T</sub> = The sum of the total number of valves monitored, including difficult-to-monitor and unsafe-to-monitor valves (only during the monitoring period in which those valves are monitored) and any new valves that were not monitored within 30 days of being placed in service but not including valves monitored to verify repair

Req. No.	Applies to	Applicable Requirement	Adoption or Effective Date	Requirement Paraphrase (Information Only)
<p style="text-align: center;"><b>Pumps in Light Liquid Service (VOC)</b></p> <p>(Note: Requirements II.F.71 - II.F.74 apply to all pumps in petroleum refining process units that contact VOC which is in a liquid state at operating conditions and has a true vapor pressure <math>\geq 1.5</math> psia @ 20 °C. At the time of permit renewal (7/22/10), US Oil had <b>125</b> pumps that met these criteria. Of these, <b>106</b> were subject to Subpart CC.)</p>				
<b>II.F.71</b>	Pumps in light liquid service contacting VOC $\geq 1.5$ psia (see note above)	PSCAA Reg. II: 2.03(e)(1)(C)	6/13/91	Shall visually inspect <b>weekly</b> .
<b>II.F.72</b>	Pumps in light liquid service contacting VOC $\geq 1.5$ psia (see note above)	PSCAA Reg. II: 2.03(e)(1)(D)	6/13/91	Shall monitor any dripping pump seals <b>immediately</b> in accordance with EPA Method 21 (see 40 CFR Part 60, App. A, 7/1/10) and 40 CFR 60.485(b), (11/16/07).
<b>II.F.73</b>	Pumps in light liquid service contacting VOC $\geq 1.5$ psia (see note above)	PSCAA Reg. II: 2.03(e)(1)(A)	6/13/91	Shall monitor <b>annually</b> in accordance with EPA Method 21 (see 40 CFR Part 60, App. A, 7/1/10) and 40 CFR 60.485(b), (11/16/07).
<b>II.F.74</b>	Pumps in	PSCAA Reg. II:	6/13/91	Shall correct and retest leaking components, <b>as soon as practicable, but <math>\leq 15</math> days after the</b>

Req. No.	Applies to	Applicable Requirement	Adoption or Effective Date	Requirement Paraphrase (Information Only)
	light liquid service contacting VOC $\geq 1.5$ psia (see note above)	2.03(e)(4) PSCAA Reg. II: 2.03(e)(1)(F)	6/13/91	<b>leak is found</b> ; if a leak continues after all reasonable corrective actions have been taken, then the component shall be repaired or replaced <b>during the next process unit turnaround</b> .

#### Pumps in Light Liquid Service (HAP)

(Note: Requirements II.F.75 - II.F.78 from 40 CFR Part 63, Subpart CC apply to all pumps in petroleum refining process units that contact  $\geq 5\%$  by wt. HAP for  $\geq 300$  hr/yr which is in a liquid state at operating conditions and where the vapor pressure of any components is  $>0.04$  psia @  $20^\circ\text{C}$  and the total concentration of those components is  $\geq 20\%$  by wt. or where  $>10\%$  evaporates @  $150^\circ\text{C}$  using ASTM Method D-86. They do not apply to pumps equipped with a closed vent system capable of transporting any leakage to a flare. At the time of permit renewal (7/22/10), US Oil had **106** pumps that met these criteria. Of these, all **106** were subject to PSCAA Reg. II, Section 2.03(e).)

<b>II.F.75</b>	Subpart CC pumps in light liquid service (see note above)	40 CFR 60.482-2(a)(2) 40 CFR 60.482-2(b)(2) [40 CFR 63.648(a)] {40 CFR 63.4(a)(1)} ----- {PSCAA Reg. III: 2.02} {WAC 173-400-075} <i>Not federally enforceable</i>	12/14/00 12/14/00 8/18/98 4/5/02 ----- 9/26/02 6/8/07	Shall visually inspect <b>weekly</b> for indications of liquids dripping from the pump seal. If there are indications of liquids dripping from the pump seal, US Oil shall either: (i) Monitor the pump within 5 days as specified in §60.485(b), (11/16/07). If an instrument reading of 10,000 ppm or greater is measured, a leak is detected. (ii) Designate the visual indications of liquids dripping as a leak, and repair the leak within 15 days of detection by eliminating the visual indications of liquids dripping. This requirement does not apply to a pump that was monitored after a previous weekly inspection if the instrument reading for that monitoring event was $<10,000$ ppm and the pump was not repaired since that monitoring event.
<b>II.F.76</b>	Subpart CC pumps in light liquid service (see note above)	40 CFR 60.482-2(a)(1) 40 CFR 60.482-2(b)(1) [40 CFR 63.648(a)] {40 CFR 63.4(a)(1)} ----- {PSCAA Reg. III: 2.02} {WAC 173-400-075} <i>Not federally</i>	12/14/00 12/14/00 8/18/98 4/5/02 ----- 9/26/02 6/8/07	Shall monitor <b>monthly</b> to detect leaks by the methods specified in §60.485(b), (11/16/07). If an instrument reading of 10,000 ppm or greater is measured, a leak is detected. A pump that begins operation after the initial startup date for the process unit must be monitored for the first time within 30 days after the end of its startup period, except for a pump that replaces a leaking pump.

Req. No.	Applies to	Applicable Requirement	Adoption or Effective Date	Requirement Paraphrase (Information Only)
		<i>enforceable</i>		
<b>II.F.77</b>	Subpart CC pumps in light liquid service (see note above)	40 CFR 60.482-2(c)(1) [40 CFR 63.648(a)] {40 CFR 63.4(a)(1)} ----- {PSCAA Reg. III: 2.02} {WAC 173-400-075} <i>Not federally enforceable</i>	12/14/00 8/18/98 4/5/02 ----- 9/26/02 6/8/07	Shall repair leaks <b>as soon as practicable, but ≤15 days after it is detected</b> , except as provided in §60.482-9 (see II.F.102-II.F.109).
<b>II.F.78</b>	Subpart CC pumps in light liquid service (see note above)	40 CFR 60.482-2(c)(2) [40 CFR 63.648(a)] {40 CFR 63.4(a)(1)} ----- {PSCAA Reg. III: 2.02} {WAC 173-400-075} <i>Not federally enforceable</i>	12/14/00 8/18/98 4/5/02 ----- 9/26/02 6/8/07	Shall make a first attempt at repair <b>≤5 days after each leak is detected</b> . First attempts at repair include, but are not limited to: (i) Tightening the packing gland nuts; and (ii) Ensuring that the seal flush is operating at design pressure and temperature, where practicable.
<b>Pumps and Valves in Heavy Liquid Service, Connectors;  Pressure Relief Devices in Liquid Service (HAP)</b>				
(Note: Requirements II.F.79, II.F.80 and II.F.81 from 40 CFR Part 63, Subpart CC apply to all pumps and valves in petroleum refining process units [except those contacting light liquids and gases], all connectors, and all pressure relief devices [except those contacting gases] that contact ≥5% by wt. HAP for ≥300 hr/yr. At the time of permit renewal (7/22/10), US Oil had <b>275</b> pumps and valves, approximately <b>5800</b> connectors, and <b>25</b> pressure relief devices that met these criteria. Of these, none are subject to PSCAA Reg. II, Section 2.03(e).)				
<b>II.F.79</b>	Subpart CC pumps and valves in heavy liquid service,	40 CFR 60.482-8(a) [40 CFR 63.648(a)] {40 CFR 63.4(a)(1)} ----- {PSCAA Reg. III: 2.02} {WAC 173-400-075}	12/14/00 8/18/98 4/5/02 ----- 9/26/02 6/8/07	If evidence of a potential leak is found by visual, audible, olfactory, or any other detection method, shall <b>within 5 days</b> either monitor in accordance with EPA Method 21 (see 40 CFR Part 60, App. A, 7/1/10) and 40 CFR 60.485(b), (11/16/07) <i>or</i> eliminate the visual, audible, olfactory, or other indication of a potential leak.

Req. No.	Applies to	Applicable Requirement	Adoption or Effective Date	Requirement Paraphrase (Information Only)
	connectors and pressure relief devices in liquid service (see note above)	<i>Not federally enforceable</i>		
<b>II.F.80</b>	Subpart CC pumps and valves in heavy liquid service, connectors and pressure relief devices in liquid service (see note above)	40 CFR 60.482-8(c)(1) 40 CFR 60.482-8(b) [40 CFR 63.648(a)] {40 CFR 63.4(a)(1)} ----- {PSCAA Reg. III: 2.02} {WAC 173-400-075} <i>Not federally enforceable</i>	12/14/00 12/14/00 8/18/98 4/5/02 ----- 9/26/02 6/8/07	Shall repair all leaks (>10,000 ppm) as soon as practicable, but <b>≤15 days after each leak is detected</b> , except as provided in §60.482-9 (see II.F.102-II.F.109).
<b>II.F.81</b>	Subpart CC pumps and valves in heavy liquid service, connectors	40 CFR 60.482-8(c)(2) 40 CFR 60.482-8(d) [40 CFR 63.648(a)] {40 CFR 63.4(a)(1)} ----- {PSCAA Reg. III: 2.02} {WAC 173-400-075}	12/14/00 12/14/00 8/18/98 4/5/02 ----- 9/26/02 6/8/07	Shall make a first attempt to repair all leaks <b>≤5 days after each leak is detected</b> . First attempts at repair include, but are not limited to, the following best practices where practicable: ensuring that the seal flush is operating at design pressure and temperature, tightening of bonnet bolts; replacement of bonnet bolts; tightening of packing gland nuts; injection of lubricant into lubricated packing.

Req. No.	Applies to	Applicable Requirement	Adoption or Effective Date	Requirement Paraphrase (Information Only)
	and pressure relief devices in liquid service (see note above)	<i>Not federally enforceable</i>		
Heat Exchange Systems (HAP)				
(Note: Requirements I.F.82 - I.F.84 from 40 CFR Part 63, Subpart CC, apply to heat exchange systems [including the cooling tower, all heat exchangers that are serviced by that cooling tower, and all water lines to and from the heat exchanger(s)] associated with petroleum refining process units that contact $\geq 5\%$ by wt. HAP. These requirements do not apply to heat exchangers that operate with the minimum pressure on the cooling water side $\geq 5$ psi than the maximum pressure on the process side, or to heat exchangers that employ an intervening cooling fluid containing $< 5\%$ by wt total HAP that serves to isolate the cooling water from the process fluid and is not sent through a cooling tower or discharged. The compliance date for these requirements is 10/29/12. At the time of permit renewal (7/22/10), US Oil had <b>2</b> heat exchange systems that met these criteria.)				
<b>II.F.82</b>	Subpart CC heat exchange systems (see note above)	40 CFR 63.654(c) 40 CFR 63.654(a) [40 CFR 63.648(a)] {40 CFR 63.4(a)(1)} ----- {PSCAA Reg. III: 2.02} {WAC 173-400-075} <i>Not federally enforceable</i>	10/28/09 10/28/09 8/18/98 4/5/02 ----- 9/26/02 6/8/07	Shall collect and analyze a sample <b>monthly</b> to detect leaks ( $\geq 6.2$ ppm, as methane) from each cooling tower return line prior to exposure to air for each heat exchange system or from each heat exchanger exit line for each heat exchanger or group of heat exchangers in organic HAP service within that heat exchange system to determine the total strippable VOC concentration using the Modified El Paso Method..
<b>II.F.83</b>	Subpart CC heat exchange systems	40 CFR 63.654(d) 40 CFR 63.654(a) [40 CFR 63.648(a)] {40 CFR 63.4(a)(1)}	10/28/09 10/28/09 8/18/98 4/5/02	If a leak is detected, shall repair the leak to reduce the measured concentration to below the applicable action level as soon as practicable, but no later than 45 days after identifying the leak, except as specified in paragraphs (e) and (f) of this section (see II.F.84 and II.F.103). Actions that can be taken to achieve repair include but are not limited to:



Req. No.	Applies to	Applicable Requirement	Adoption or Effective Date	Requirement Paraphrase (Information Only)
	(see note above)	----- {PSCAA Reg. III: 2.02} {WAC 173-400-075} <i>Not federally enforceable</i>	----- 9/26/02 6/8/07	- Physical modifications to the leaking heat exchanger, such as welding the leak or replacing a tube; - Blocking the leaking tube within the heat exchanger; - Changing the pressure so that water flows into the process fluid; - Replacing the heat exchanger or heat exchanger bundle; or - Isolating, bypassing, or otherwise removing the leaking heat exchanger from service until it is otherwise repaired.
<b>II.F.84</b>	Subpart CC heat exchange systems (see note above)	40 CFR 63.654(e) 40 CFR 63.654(a) [40 CFR 63.648(a)] {40 CFR 63.4(a)(1)} ----- {PSCAA Reg. III: 2.02} {WAC 173-400-075} <i>Not federally enforceable</i>	10/28/09 10/28/09 8/18/98 4/5/02 ----- 9/26/02 6/8/07	If a leak is detected when monitoring a cooling tower return line, may conduct additional monitoring to identify leaks of total strippable VOC emissions using Modified El Paso Method from each heat exchanger or group of heat exchangers in organic HAP service associated with the heat exchange system for which the leak was detected. If the additional monitoring shows that the total strippable VOC concentration in the stripped air at the heat exchanger exit line for each heat exchanger in organic HAP service is <6.2 ppm, the heat exchange system is excluded from repair requirements.
<div>Pressure Relief Valves in Gas/Vapor Service (HAP)</div> <p>(Note: Requirement II.F.85 from 40 CFR Part 63, Subpart CC applies to all pressure relief valves in petroleum refining process units that contact ≥5% by wt. HAP for ≥300 hr/yr which are in a gaseous state at operating conditions, except for pressure relief valves on storage tanks and for pressure relief valves equipped with a closed vent system capable of transporting any leakage to a flare. At the time of permit renewal (7/22/10), US Oil had <b>4</b> pressure relief valves that met these criteria. Of these, all <b>4</b> were subject to PSCAA Reg. II, Section 2.03(e).)</p>				
<b>II.F.85</b>	Subpart CC pressure relief devices in gas/vapor service (see note)	40 CFR 60.482-4(b) [40 CFR 63.648(a)] {40 CFR 63.4(a)(1)} ----- {PSCAA Reg. III: 2.02} {WAC 173-400-075} <i>Not federally</i>	12/14/00 8/18/98 4/5/02 ----- 9/26/02 6/8/07	Shall monitor the pressure relief device <b>≤5 days after the pressure release</b> in accordance with EPA Method 21 (see 40 CFR Part 60, App. A, 7/1/10) and 40 CFR 60.485(b) and (c), (11/16/07), to confirm the conditions of no detectable emissions, as indicated by an instrument reading of <500 ppm above background.

Req. No.	Applies to	Applicable Requirement	Adoption or Effective Date	Requirement Paraphrase (Information Only)
	above)	<i>enforceable</i>		
<b>Pressure Relief Valves in Gas/Vapor Service (VOC)</b> (Note: Requirements II.F.86, II.F.87 and II.F.88 apply to all pressure relief valves in petroleum refining process units [except those connected to an operating flare header, vapor recovery device, inaccessible valves, storage tank valves, and valves that are not externally regulated – see PSCAA Reg. II, §2.03(g)] that contact VOC which is in a gaseous state at operating conditions and has a true vapor pressure $\geq 1.5$ psia @ 20 °C. At the date of permit renewal (7/22/10), US Oil had <b>9</b> pressure relief valves that met these criteria. Of these, <b>4</b> were subject to Subpart CC.)				
<b>II.F.86</b>	Pressure relief devices in gas/vapor service (see note above)	PSCAA Reg. II: 2.03(e)(1)(B)	6/13/91	Shall monitor <b>quarterly</b> in accordance with EPA Method 21 (see 40 CFR Part 60, App. A, 7/1/10) and 40 CFR 60.485(b), (11/16/07).
<b>II.F.87</b>	Pressure relief devices in gas/vapor service (see note above)	PSCAA Reg. II: 2.03(e)(1)(E)	6/13/91	Shall monitor relief valves <b>within 24 hr after venting to the atmosphere</b> in accordance with EPA Method 21 (see 40 CFR Part 60, App. A, 7/1/10) and 40 CFR 60.485(b), (11/16/07).
<b>II.F.88</b>	Pressure relief devices in gas/vapor service (see note above)	PSCAA Reg. II: 2.03(e)(4) PSCAA Reg. II: 2.03(e)(1)(F)	6/13/91 6/13/91	Shall correct and retest leaking components, <b>as soon as practicable, but <math>\leq 15</math> days after the leak is found</b> ; if a leak continues after all reasonable corrective actions have been taken, then the component shall be repaired or replaced <b>during the next process unit turnaround</b> .

Req. No.	Applies to	Applicable Requirement	Adoption or Effective Date	Requirement Paraphrase (Information Only)
<b>Closed-Vent System for Pumps, Pressure Relief Valves (HAP)</b>				
(Note: Requirements II.F.89 - II.F.93 from 40 CFR Part 63, Subpart CC apply to the closed-vent system (flare manifold) downstream of all pressure relief valves in petroleum refining process units [except for pressure relief valves on storage tanks] that contact $\geq 5\%$ by wt. HAP for $\geq 300$ hr/yr which are in a gaseous state at operating conditions and that direct any emissions to a flare. These requirements also apply to the flare manifold (closed-vent system) downstream of all pumps in petroleum refining process units that contact $\geq 5\%$ by wt. HAP for $\geq 300$ hr/yr which is in a liquid state at operating conditions and where the vapor pressure of any components is $>0.04$ psia @ $20^\circ\text{C}$ and the total concentration of those components is $\geq 20\%$ by wt. (or where $>10\%$ evaporates @ $150^\circ\text{C}$ using ASTM Method D-86) and that direct any emissions to a flare. At the time of permit issuance (12/31/02), US Oil had <b>8</b> pumps and <b>9</b> pressure relief valves that met these criteria.)				
<b>II.F.89</b>	Subpart CC closed-vent system (see note above)	40 CFR 60.482-10(f)(1)(ii) [40 CFR 60.482-10(a)] [40 CFR 63.648(a)] {40 CFR 63.4(a)(1)} ----- {PSCAA Reg. III: 2.02} {WAC 173-400-075} <i>Not federally enforceable</i>	12/14/00 12/14/00 8/18/98 4/5/02 ----- 9/26/02 6/8/07	Shall conduct <b>annual</b> visual inspections for visible, audible, or olfactory indications of leaks, except as provided in 60.482-10(j) (see II.F.90) and 60.482-10(k) (see II.F.91).
<b>II.F.90</b>	Subpart CC closed-vent system (see note above)	40 CFR 60.482-10(j) [40 CFR 60.482-10(a)] [40 CFR 63.648(a)] {40 CFR 63.4(a)(1)} ----- {PSCAA Reg. III: 2.02} {WAC 173-400-075} <i>Not federally enforceable</i>	12/14/00 12/14/00 8/18/98 4/5/02 ----- 9/26/02 6/8/07	In order for unsafe-to-inspect equipment to be exempted from the requirements of §60.482-10(f) (see II.F.89) - Shall demonstrate that the equipment is unsafe to inspect because monitoring personnel would be exposed to an imminent or potential danger as a consequence of complying with paragraph (f); and - Shall adhere to a written plan that requires inspection of the equipment <b>as frequently as practicable during safe-to-inspect times</b> .
<b>II.F.91</b>	Subpart CC	40 CFR 60.482-10(k)	12/14/00	In order for difficult-to-inspect equipment to be exempted from the requirements of §60.482-

Req. No.	Applies to	Applicable Requirement	Adoption or Effective Date	Requirement Paraphrase (Information Only)
	closed-vent system (see note above)	[40 CFR 60.482-10(a)] [40 CFR 63.648(a)] {40 CFR 63.4(a)(1)} ----- {PSCAA Reg. III: 2.02} {WAC 173-400-075} <i>Not federally enforceable</i>	12/14/00 8/18/98 4/5/02 ----- 9/26/02 6/8/07	10(f) (see II.F.89) - Shall demonstrate that the equipment cannot be inspected without elevating the inspector >6.5 ft above a support surface; and - Shall designate <3.0% of the total number of closed-vent system equipment as difficult-to-inspect, and shall follow a written plan that requires monitoring of the valve <b>at least once every 5 yrs.</b>
<b>II.F.92</b>	Subpart CC closed-vent system (see note above)	40 CFR 60.482-10(g)(1) [40 CFR 60.482-10(a)] [40 CFR 63.648(a)] {40 CFR 63.4(a)(1)} ----- {PSCAA Reg. III: 2.02} {WAC 173-400-075} <i>Not federally enforceable</i>	12/14/00 12/14/00 8/18/98 4/5/02 ----- 9/26/02 6/8/07	Shall repair leaks <b>as soon as practicable</b> and shall make a first attempt at repair <b>≤5 days after it is detected</b> , except as provided in 60-482-10(h) (see II.F.105).
<b>II.F.93</b>	Subpart CC closed-vent system (see note above)	40 CFR 60.482-10(g)(2) [40 CFR 60.482-10(a)] [40 CFR 63.648(a)] {40 CFR 63.4(a)(1)} ----- {PSCAA Reg. III: 2.02} {WAC 173-400-075} <i>Not federally enforceable</i>	12/14/00 12/14/00 8/18/98 4/5/02 ----- 9/26/02 6/8/07	Shall repair leaks <b>as soon as practicable but ≤15 days after it is detected</b> , except as provided in 60-482-10(h) (see II.F.105).

Req. No.	Applies to	Applicable Requirement	Adoption or Effective Date	Requirement Paraphrase (Information Only)
<b>Flares for Pumps, Pressure Relief Valves, Reformers (HAP)</b>				
<p>(Note 1: Requirement II.F.94 from 40 CFR Part 63, Subpart CC applies to flares used to control any emissions from pressure relief valves in petroleum refining process units [except for pressure relief valves on storage tanks] that contact <math>\geq 5\%</math> by wt. HAP for <math>\geq 300</math> hr/yr which are in a gaseous state at operating conditions. These requirements also apply to flares used to control any emissions from pumps in petroleum refining process units that contact <math>\geq 5\%</math> by wt. HAP for <math>\geq 300</math> hr/yr which is in a liquid state at operating conditions and where the vapor pressure of any components is <math>&gt;0.04</math> psia @ <math>20^\circ\text{C}</math> and the total concentration of those components is <math>\geq 20\%</math> by wt. (or where <math>&gt;10\%</math> evaporates @ <math>150^\circ\text{C}</math> using ASTM Method D-86). At the time of permit renewal (7/22/10), both flares met these criteria.</p> <p>Note 2: Requirements II.F.94 - II.F.101 from 40 CFR Part 63, Subpart UUU applies to emissions from catalytic reforming unit process vents that only occur during depressuring to the flares.)</p>				
<b>II.F.94</b>	Subpart CC and UUU flares (see notes 1 and 2 above) (included F-1, F-2)	40 CFR 60.18(f)(2) 40 CFR 60.18(d) 40 CFR 60.482-10(e) 40 CFR 63.11(b)(5) 40 CFR 63.11(b)(1) [40 CFR 60.482-10(d)] [40 CFR 60.482-10(a)] [40 CFR 63.648(a)] [40 CFR 63.1566(c)(1)] {40 CFR 63.4(a)(1)} ----- {PSCAA Reg. III: 2.02} {WAC 173-400-075} <i>Not federally enforceable</i>	10/17/00 10/17/00 12/14/00 4/5/02 4/5/02 12/14/00 12/14/00 8/18/98 2/9/05 4/5/02 ----- 9/26/02 6/8/07	Shall monitor for the presence of a pilot flame present using a thermocouple or equivalent device.
<b>II.F.95</b>	Subpart UUU flares (see note 2 above) (included	40 CFR 63.1572(c)(1) [40 CFR 63.1566(c)(1)] {40 CFR 63.4(a)(1)} ----- {PSCAA Reg. III: 2.02}	2/9/05 2/9/05 4/5/02 ----- 9/26/02	Shall operate and maintain the pilot flame monitoring device in a manner consistent with the manufacturer's specifications or other written procedures that provide adequate assurance that the equipment will monitor accurately.

Req. No.	Applies to	Applicable Requirement	Adoption or Effective Date	Requirement Paraphrase (Information Only)
	F-1, F-2)	{WAC 173-400-075} <i>Not federally enforceable</i>	6/8/07	
<b>II.F.96</b>	Subpart UUU flares (see note 2 above) (included F-1, F-2)	40 CFR 63.1572(c)(2) [40 CFR 63.1566(c)(1)] {40 CFR 63.4(a)(1)} {40 CFR 63.4(a)(2)} ----- {PSCAA Reg. III: 2.02} {WAC 173-400-075} <i>Not federally enforceable</i>	2/9/05 2/9/05 4/5/02 4/5/02 ----- 9/26/02 6/8/07	The pilot flame monitoring device shall complete a minimum of one cycle of operation for each successive 15-minute period and shall collect a minimum of 4 successive cycles of operation to have a valid hour of data (or at least 2 if a calibration check is performed during that hr or if the pilot flame monitoring device is out-of-control).
<b>II.F.97</b>	Subpart UUU flares (see note 2 above) (included F-1, F-2)	40 CFR 63.1572(c)(3) [40 CFR 63.1566(c)(1)] {40 CFR 63.4(a)(1)} {40 CFR 63.4(a)(2)} ----- {PSCAA Reg. III: 2.02} {WAC 173-400-075} <i>Not federally enforceable</i>	2/9/05 2/9/05 4/5/02 4/5/02 ----- 9/26/02 6/8/07	Each pilot flame monitoring device shall record valid hourly average data from at least 75% of the hours during which the process operated.
<b>II.F.98</b>	Subpart UUU flares (see note 2 above) (included F-1, F-2)	40 CFR 63.1572(c)(4) [40 CFR 63.1566(c)(1)] {40 CFR 63.4(a)(1)} {40 CFR 63.4(a)(2)} ----- {PSCAA Reg. III: 2.02} {WAC 173-400-075} <i>Not federally enforceable</i>	2/9/05 2/9/05 4/5/02 4/5/02 ----- 9/26/02 6/8/07	Each pilot flame monitoring device shall determine and record the hourly average of all recorded readings.

Req. No.	Applies to	Applicable Requirement	Adoption or Effective Date	Requirement Paraphrase (Information Only)
<b>II.F.99</b>	Subpart UUU flares (see note 2 above) (included F-1, F-2)	40 CFR 63.1572(c)(5) [40 CFR 63.1566(c)(1)] {40 CFR 63.4(a)(1)} {40 CFR 63.4(a)(2)} ----- {PSCAA Reg. III: 2.02} {WAC 173-400-075} <i>Not federally enforceable</i>	2/9/05 2/9/05 4/5/02 4/5/02 ----- 9/26/02 6/8/07	Each pilot flame monitoring device shall record the results of each inspection, calibration, and validation check.
<b>II.F.100</b>	Subpart UUU flares (see note 2 above) (included F-1, F-2)	40 CFR 63.1572(d) [40 CFR 63.1566(c)(1)] {40 CFR 63.4(a)(1)} {40 CFR 63.4(a)(2)} ----- {PSCAA Reg. III: 2.02} {WAC 173-400-075} <i>Not federally enforceable</i>	2/9/05 2/9/05 4/5/02 4/5/02 ----- 9/26/02 6/8/07	Shall conduct all monitoring in continuous operation at all times the affected source is operating, except for monitoring malfunctions, associated repairs, and required QA/QC activities. Shall not use data recorded during monitoring malfunctions, associated repairs, and required QA/QC activities for purposes of this regulation, including data averages and calculations, for fulfilling a minimum data availability requirement. Shall use all the data collected during all other periods in assessing the operation of the control device and associated control system.
<b>II.F.101</b>	Subpart UUU flares (see note 2 above) (included F-1, F-2)	40 CFR 63.1576(b)(5) {40 CFR 63.4(a)(1)} {40 CFR 63.4(a)(2)} ----- {PSCAA Reg. III: 2.02} {WAC 173-400-075} <i>Not federally enforceable</i>	2/9/05 4/5/02 4/5/02 ----- 9/26/02 6/8/07	Shall keep records of the date and time that each deviation started and stopped, and whether the deviation occurred during a period of startup, shutdown, or malfunction or during another period.

Req. No.	Applies to	Applicable Requirement	Adoption or Effective Date	Requirement Paraphrase (Information Only)
<b>Delay of Repair (HAP)</b>				
(Note 1: Requirements II.F.102 - II.F.109 apply to the Subpart CC facilities listed in II.F.63 - II.F.70, II.F.75 - II.F.85, and II.F.89 - II.F.94.)				
(Note 2: The requirements under PSCAA Reg. II, Section 2.03, do not allow delay of repair beyond the next scheduled process unit turnaround.)				
<b>II.F.102</b>	Subpart CC equipment in organic HAP service (see note 1 above)	40 CFR 60.482-9(a) [40 CFR 63.648(a)] {40 CFR 63.4(a)(1)} ----- {PSCAA Reg. III: 2.02} {WAC 173-400-075} <i>Not federally enforceable</i>	12/14/00 8/18/98 4/5/02 ----- 9/26/02 6/8/07	Delay of repair is allowed if repair within 15 days is technically infeasible without a process unit turnaround. Shall repair this equipment <b>before the end of the next process unit turnaround</b> . Monitoring to verify repair must occur <b>within 15 days</b> after startup of the process unit.
<b>II.F.103</b>	Subpart CC heat exchange systems (see note 1 above)	40 CFR 63.654(f) 40 CFR 63.654(a) [40 CFR 63.648(a)] {40 CFR 63.4(a)(1)} ----- {PSCAA Reg. III: 2.02} {WAC 173-400-075} <i>Not federally enforceable</i>	10/28/09 10/28/09 8/18/98 4/5/02 ----- 9/26/02 6/8/07	Delay of repair is allowed until the next scheduled shutdown of the heat exchange system if repair is technically infeasible without a shutdown and the total strippable VOC concentration (as methane) is initially and remains <62 ppm for all monthly monitoring periods during the delay of repair, Delay of repair is allowed for a maximum of 120 calendar days if the necessary equipment, parts, or personnel are not available and the total strippable VOC concentration (as methane) is initially and remains <62 ppm for all monthly monitoring periods during the delay of repair and US Oil demonstrates that the necessary equipment, parts, or personnel were not available. Shall determine if a delay of repair is necessary as soon as practicable, but no later than 45 days after first identifying the leak. Shall repair the leak within 30 days of any monitoring event in which the leak was $\geq 62$ ppm total strippable VOC (as methane)
<b>II.F.104</b>	Subpart CC heat exchange systems (see note 1 above)	40 CFR 63.654(g) 40 CFR 63.654(a) [40 CFR 63.648(a)] {40 CFR 63.4(a)(1)} ----- {PSCAA Reg. III: 2.02}	10/28/09 10/28/09 8/18/98 4/5/02 ----- 9/26/02	For each delay of repair under §63.654(f) (see II.F.103), US Oil shall record: (1) The reason(s) for delaying repair; (2) A schedule for completing the repair as soon as practical; (3) The date and concentration of the leak as first identified and the results of all subsequent monthly monitoring events during the delay of repair; (4) An estimate of the potential emissions from the leaking heat exchange system or heat



Req. No.	Applies to	Applicable Requirement	Adoption or Effective Date	Requirement Paraphrase (Information Only)
	above)	{WAC 173-400-075} <i>Not federally enforceable</i>	6/8/07	exchanger in accordance with following procedures: (i) Determine the total strippable VOC concentration in the cooling water, in parts per million by weight (ppmw), using equation 7-1 from the Modified El Paso Method, based on the total strippable concentration in the stripped air; and (ii) Calculate the VOC emissions for the leaking heat exchange system or heat exchanger by multiplying the VOC concentration in the cooling water by the flow rate of the cooling water from the leaking tower or heat exchanger and by the expected duration of the delay.
<b>II.F.105</b>	Subpart CC closed-vent systems (see note 1 above)	40 CFR 60.482-10(h) [40 CFR 60.482-10(a)] [40 CFR 63.648(a)] {40 CFR 63.4(a)(1)} ----- {PSCAA Reg. III: 2.02} {WAC 173-400-075} <i>Not federally enforceable</i>	12/14/00 12/14/00 8/18/98 4/5/02 ----- 9/26/02 6/8/07	Delay of repair is allowed if the repair is technically infeasible without a process unit shutdown or if US Oil determines that emissions resulting from immediate repair would be greater than the fugitive emissions likely to result from delay of repair. Such repairs shall be completed by the end of the next process unit shutdown.
<b>II.F.106</b>	Subpart CC equipment in organic HAP service (see notes 1 and 2 above)	40 CFR 60.482-9(b) [40 CFR 63.648(a)] {40 CFR 63.4(a)(1)} ----- {PSCAA Reg. III: 2.02} {WAC 173-400-075} <i>Not federally enforceable</i>	12/14/00 8/18/98 4/5/02 ----- 9/26/02 6/8/07	Delay of repair is allowed for equipment which is isolated from the process and which does not remain in organic HAP service.
<b>II.F.107</b>	Subpart CC valves in organic HAP service (see notes 1 and 2)	40 CFR 60.482-9(c) [40 CFR 63.648(a)] {40 CFR 63.4(a)(1)} ----- {PSCAA Reg. III: 2.02} {WAC 173-400-075} <i>Not federally</i>	12/14/00 8/18/98 4/5/02 ----- 9/26/02 6/8/07	Delay of repair is allowed if US Oil demonstrates that emissions of purged material resulting from immediate repair are greater than the fugitive emissions likely to result from delay or repair, and when repair procedures are effected, the purged material is collected and destroyed.

Req. No.	Applies to	Applicable Requirement	Adoption or Effective Date	Requirement Paraphrase (Information Only)
	above)	<i>enforceable</i>		
<b>II.F.108</b>	Subpart CC valves in organic HAP service (see notes 1 and 2 above)	40 CFR 60.482-9(e) [40 CFR 63.648(a)] {40 CFR 63.4(a)(1)} ----- {PSCAA Reg. III: 2.02} {WAC 173-400-075} <i>Not federally enforceable</i>	12/14/00 8/18/98 4/5/02 ----- 9/26/02 6/8/07	Delay of repair beyond a process unit turnaround is allowed, if valve assembly replacement is necessary during the process unit turnaround, valve assembly supplies have been depleted, and valve assembly supplies had been sufficiently stocked before the supplies were depleted. Delay of repair beyond the next process unit turnaround will not be allowed unless the next process unit turnaround occurs sooner than 6 months after the first process unit turnaround.
<b>II.F.109</b>	Subpart CC pumps and valves in organic HAP service (see notes 1 and 2 above)	40 CFR 60.482-9(f) [40 CFR 63.648(a)] {40 CFR 63.4(a)(1)} ----- {PSCAA Reg. III: 2.02} {WAC 173-400-075} <i>Not federally enforceable</i>	11/16/07 8/18/98 4/5/02 ----- 9/26/02 6/8/07	When delay of repair is allowed for a leaking pump or valve that remains in service, the pump or valve may be considered to be repaired and no longer subject to delay of repair requirements if two consecutive monthly monitoring instrument readings are <10,000 ppm.
<b>Leak Detection and Repair – Recordkeeping (VOC)</b>				
(Note: Requirements II.F.110 - II.F.113 apply to the facilities listed in II.F.57 - II.F.62, II.F.71 - II.F.74, and II.F.86 - II.F.88.)				
<b>II.F.110</b>	equipment in VOC service (see note above)	PSCAA Reg. II: 2.03(e)(3)	6/13/91	Shall record all leaking components that have a VOC concentration >10,000 ppm and place a weatherproof tag bearing an identification number and the date the leak was found.
<b>II.F.111</b>	equipment in VOC	PSCAA Reg. II: 2.03(e)(5)	6/13/91	Shall identify all leaking components that cannot be corrected until the next process unit turnaround.

Req. No.	Applies to	Applicable Requirement	Adoption or Effective Date	Requirement Paraphrase (Information Only)
	service (see note above)			
<b>II.F.112</b>	equipment in VOC service (see note above)	PSCAA Reg. II: 2.03(e)(2)	6/13/91	Shall maintain a leaking component monitoring log that contains the: <ul style="list-style-type: none"> <li>- Name of the process unit;</li> <li>- Type of component;</li> <li>- Tag number of component;</li> <li>- Date found leaking;</li> <li>- Date of repair;</li> <li>- Date and instrument reading of the recheck after repair;</li> <li>- Record of calibration of the monitor;</li> <li>- Record of leaks that cannot be repaired until process unit turnaround; and</li> <li>- The total number of components checked and the total number found leaking.</li> </ul>
<b>II.F.113</b>	equipment in VOC service (see note above)	Established pursuant to: WAC 173-401-615(1)(b) WAC 173-401-615(2)(a) PSCAA Reg. I: 7.09(b) ----- PSCAA Reg. I: 7.09(b) <i>Not federally enforceable</i>	10/17/02 10/17/02 9/10/98 ----- 9/25/08	US Oil shall also record (in addition to the data specified in II.F.112): <ul style="list-style-type: none"> <li>- The time of the inspection or monitoring;</li> <li>- Who conducted the inspection or monitoring;</li> <li>- The date of any corrective actions taken; and</li> <li>- Who took the corrective actions.</li> </ul>
<b>Leak Detection and Repair – Recordkeeping (HAP)</b>				
(Note: Requirements II.F.114 - II.F.137 apply to the Subpart CC facilities listed in II.F.63 - II.F.70, II.F.75 - II.F.85, and II.F.89 - II.F.94.)				
<b>II.F.114</b>	Subpart CC equipment located in a process unit in organic HAP	40 CFR 60.485(d) [40 CFR 63.648(a)] {40 CFR 63.4(a)(1)} ----- {PSCAA Reg. III: 2.02} {WAC 173-400-075} <i>Not federally</i>	11/16/07 8/18/98 4/5/02 ----- 9/26/02 6/8/07	Shall determine whether the equipment is in organic HAP service unless the process unit is demonstrated not to be in organic HAP service (≥5% by wt. HAP). Shall test the equipment using Method 18 if PSCAA does not agree. (see 40 CFR Part 60, App. A, 7/1/10 and 40 CFR 60.485(f), 11/16/07)

Req. No.	Applies to	Applicable Requirement	Adoption or Effective Date	Requirement Paraphrase (Information Only)
	service (see note above)	<i>enforceable</i>		
<b>II.F.115</b>	Subpart CC equipment not in organic HAP service located in a process unit in organic HAP service (see note above)	40 CFR 60.486(j) [40 CFR 63.648(a)] [40 CFR 63.655(d)(1)] [40 CFR 63.642(k)] [40 CFR 63.642(i)] {40 CFR 63.4(a)(1)} {40 CFR 63.4(a)(2)} ----- {PSCAA Reg. III: 2.02} {WAC 173-400-075} <i>Not federally enforceable</i>	12/14/00 8/18/98 10/28/09 10/28/09 10/28/09 4/5/02 4/5/02 ----- 9/26/02 6/8/07	Shall record in a log that is kept in a readily accessible location information and data used to demonstrate that a piece of equipment is not in organic HAP service.
<b>II.F.116</b>	Subpart CC equipment not in organic HAP service located in a process unit in organic HAP service (see note above)	<i>Established pursuant to:</i> WAC 173-401-615(1)(b) WAC 173-401-615(2)(a) PSCAA Reg. I: 7.09(b) ----- PSCAA Reg. I: 7.09(b) <i>Not federally enforceable</i>	10/17/02 10/17/02 9/10/98 ----- 9/25/08	US Oil shall also record (in addition to the data specified in II.F.115): - The date and time of any sampling; - Who conducted the sampling; - The name of the person that performed the analyses; - The date(s) analyses were performed; and - The analytical techniques or methods used.

Req. No.	Applies to	Applicable Requirement	Adoption or Effective Date	Requirement Paraphrase (Information Only)
<b>II.F.117</b>	Subpart CC equipment in organic HAP service (see note above)	40 CFR 60.485(e) [40 CFR 63.648(a)] {40 CFR 63.4(a)(1)} ----- {PSCAA Reg. III: 2.02} {WAC 173-400-075} <i>Not federally enforceable</i>	11/16/07 8/18/98 4/5/02 ----- 9/26/02 6/8/07	Shall determine whether the equipment is in light liquid service by documenting that: - The process fluid is a liquid at operating conditions; and either - The vapor pressure of any components is >0.04 psia @ 20 °C and the total concentration of those components is ≥20% by wt.; or - >10% evaporates @ 150 °C using ASTM Method D86.
<b>II.F.118</b>	Subpart CC equipment in organic HAP service (see note above)	<i>Established pursuant to:</i> WAC 173-401-615(1)(b) WAC 173-401-615(2)(a) PSCAA Reg. I: 7.09(b) ----- PSCAA Reg. I: 7.09(b) <i>Not federally enforceable</i>	10/17/02 10/17/02 9/10/98 ----- 9/25/08	US Oil shall also record (in addition to the data specified in II.F.117): - The date and time of any sampling; - Who conducted the sampling; - The name of the person that performed the analyses; - The date(s) analyses were performed; and - The analytical techniques or methods used.
<b>II.F.119</b>	Subpart CC equipment in organic HAP service (see note above)	40 CFR 60.486(e) [40 CFR 63.648(a)] [40 CFR 63.655(d)(1)] [40 CFR 63.642(k)] [40 CFR 63.642(i)] {40 CFR 63.4(a)(1)} {40 CFR 63.4(a)(2)} ----- {PSCAA Reg. III: 2.02} {WAC 173-400-075} <i>Not federally enforceable</i>	12/14/00 8/18/98 10/28/09 10/28/09 10/28/09 4/5/02 4/5/02 ----- 9/26/02 6/8/07	Shall record in a log that is kept in a readily accessible location the following: A list of identification numbers for equipment subject to the requirements of Part 60, Subpart VV; - A list of equipment identification numbers for pressure relief devices required to comply with §60.482-4 (see I.F.37); - The dates of each compliance test as required in §60.482-4; - The background level measured during each compliance test required in §60.482-4; and - The maximum instrument reading measured at the equipment during each compliance test required in §60.482-4.
<b>II.F.120</b>	Subpart CC equipment	<i>Established pursuant to:</i> WAC 173-401-615(1)(b)	10/17/02	US Oil shall also record (in addition to the data specified in II.F.119): - The time of each test required under 60.482-4;

Req. No.	Applies to	Applicable Requirement	Adoption or Effective Date	Requirement Paraphrase (Information Only)
	in organic HAP service (see note above)	WAC 173-401-615(2)(a) PSCAA Reg. I: 7.09(b) ----- PSCAA Reg. I: 7.09(b) <i>Not federally enforceable</i>	10/17/02 9/10/98 ----- 9/25/08	- Who conducted the tests; - The date and results of any corrective actions taken; and - Who conducted the corrective actions.
<b>II.F.121</b>	Subpart CC valves in light liquid or gas/vapor service (see note above)	40 CFR 60.486(f) [40 CFR 63.648(a)] [40 CFR 63.655(d)(1)] [40 CFR 63.642(k)] [40 CFR 63.642(i)] {40 CFR 63.4(a)(1)} {40 CFR 63.4(a)(2)} ----- {PSCAA Reg. III: 2.02} {WAC 173-400-075} <i>Not federally enforceable</i>	12/14/00 8/18/98 10/28/09 10/28/09 10/28/09 4/5/02 4/5/02 ----- 9/26/02 6/8/07	Shall record in a log that is kept in a readily accessible location the following: - A list of identification numbers for valves that are designated as unsafe-to-monitor (see II.F.67), an explanation for each valve stating why the valve is unsafe-to-monitor, and the plan for monitoring each valve; and - A list of identification numbers for valves that are designated as difficult-to-monitor (see II.F.68), an explanation for each valve stating why the valve is difficult-to-monitor, and the schedule for monitoring each valve.
<b>II.F.122</b>	Subpart CC heat exchanger systems (see note above)	40 CFR 63.655(i)(4) [40 CFR 63.650(a)] [40 CFR 63.642(k)] [40 CFR 63.642(i)] {40 CFR 63.4(a)(1)} {40 CFR 63.4(a)(2)} ----- {PSCAA Reg. III: 2.02} {WAC 173-400-075} <i>Not federally enforceable</i>	10/28/09 10/28/09 10/28/09 10/28/09 4/5/02 4/5/02 ----- 9/26/02 6/8/07	Shall record the following: (i) Identification of all heat exchangers at the facility and the average annual HAP concentration of process fluid or intervening cooling fluid estimated when developing the Notification of Compliance Status report. (ii) Identification of all heat exchange systems that are in organic HAP service. For each heat exchange system that is subject to this subpart, this must include identification of all heat exchangers within each heat exchange system, identification of the individual heat exchangers in organic HAP service within each heat exchange system. (iii) Results of the following monitoring data for each monthly monitoring event: (iii)(A) Date/time of event. (iii)(B) Barometric pressure. (iii)(C) El Paso air stripping apparatus water flow (ml/min) and air flow, ml/min, and air temperature, °C. (iii)(D) FID reading (ppm).

Req. No.	Applies to	Applicable Requirement	Adoption or Effective Date	Requirement Paraphrase (Information Only)
				(iii)(E) Heat exchange exit line flow or cooling tower return line flow at the El Paso monitoring location, gal/min. (iii)(F) Calibration information identified in Section 5.4.2 of the Modified El Paso Method. (i)(4)(iv) The date when a leak was identified and the date when the heat exchanger was repaired or taken out of service. (vi) If a repair is delayed, the reason for the delay, the schedule for completing the repair, and the estimate of potential emissions for the delay of repair.
<b>II.F.123</b>	Subpart CC closed-vent system (see note above)	40 CFR 60.482-10(l)(1) [40 CFR 60.482-10(a)] [40 CFR 63.648(a)] {40 CFR 63.4(a)(1)} ----- {PSCAA Reg. III: 2.02} {WAC 173-400-075} <i>Not federally enforceable</i>	12/14/00 12/14/00 8/18/98 4/5/02 ----- 9/26/02 6/8/07	Shall record: - The identification of all equipment designated as unsafe to inspect; - An explanation of why the equipment is unsafe to inspect; and - The plan for inspecting the equipment.
<b>II.F.124</b>	Subpart CC closed-vent system (see note above)	40 CFR 60.482-10(l)(2) [40 CFR 60.482-10(a)] [40 CFR 63.648(a)] {40 CFR 63.4(a)(1)} ----- {PSCAA Reg. III: 2.02} {WAC 173-400-075} <i>Not federally enforceable</i>	12/14/00 12/14/00 8/18/98 4/5/02 ----- 9/26/02 6/8/07	Shall record: - The identification of all equipment designated as difficult to inspect; - An explanation of why the equipment is difficult to inspect; and - The plan for inspecting the equipment.
<b>II.F.125</b>	Subpart CC equipment in organic HAP service,	40 CFR 60.486(b) [40 CFR 60.486(a)] [40 CFR 63.648(a)] [40 CFR 63.655(d)(1)] [40 CFR 63.642(k)]	12/14/00 12/14/00 8/18/98 10/28/09 10/28/09	When each leak is detected as specified in §60.482-2 (see II.F.75, II.F.76), §60.482-7 (see II.F.63, II.F.67, II.F.68), §60.482-8 (see II.F.79, II.F.80), and §60.483-2 (see II.F.69): - Shall attach a weatherproof and readily visible identification, marked with the equipment identification number, to the leaking equipment; - The identification on a valve may be removed after it has been monitored for 2 successive

Req. No.	Applies to	Applicable Requirement	Adoption or Effective Date	Requirement Paraphrase (Information Only)
	except pressure relief valves in gas/vapor service (see note above)	[40 CFR 63.642(i)] {40 CFR 63.4(a)(1)} {40 CFR 63.4(a)(2)} ----- {PSCAA Reg. III: 2.02} {WAC 173-400-075} <i>Not federally enforceable</i>	10/28/09 4/5/02 4/5/02 ----- 9/26/02 6/8/07	months as specified in §60.482-7(c) (see II.F.64) and no leak has been detected during those 2 months; and - The identification on equipment except on a valve, may be removed after it has been repaired.
<b>II.F.126</b>	Subpart CC valves in light liquid or gas/vapor service (see note above)	40 CFR 60.483-2(b)(6) [40 CFR 63.648(a)] {40 CFR 63.4(a)(1)} {40 CFR 63.4(a)(2)} ----- {PSCAA Reg. III: 2.02} {WAC 173-400-075} <i>Not federally enforceable</i>	12/14/00 8/18/98 4/5/02 4/5/02 ----- 9/26/02 6/8/07	Shall keep a record of the percent of valves found leaking during each leak monitoring period.
<b>II.F.127</b>	Subpart CC valves in light liquid or gas/vapor service (see note above)	40 CFR 60.486(g) [40 CFR 63.648(a)] [40 CFR 63.655(d)(1)] [40 CFR 63.642(k)] [40 CFR 63.642(i)] {40 CFR 63.4(a)(1)} {40 CFR 63.4(a)(2)} ----- {PSCAA Reg. III: 2.02} {WAC 173-400-075} <i>Not federally enforceable</i>	12/14/00 8/18/98 10/28/09 10/28/09 10/28/09 4/5/02 4/5/02 ----- 9/26/02 6/8/07	Shall record the following information for valves complying with §60.483-2 (see II.F.69, II.F.70): - A schedule of monitoring; and - The percent of valves found leaking during each monitoring period.
<b>II.F.128</b>	Subpart CC	40 CFR 60.486(c)	12/14/00	When each leak is detected as specified in §60.482-2 (see II.F.75, II.F.76), §60.482-7 (see



Req. No.	Applies to	Applicable Requirement	Adoption or Effective Date	Requirement Paraphrase (Information Only)
	equipment in organic HAP service, except pressure relief valves in gas/vapor service (see note above)	[40 CFR 60.482-10(l)(3)] [40 CFR 60.486(a)] [40 CFR 63.648(a)] [40 CFR 63.655(d)(1)] [40 CFR 63.642(k)] [40 CFR 63.642(i)] {40 CFR 63.4(a)(1)} {40 CFR 63.4(a)(2)} ----- {PSCAA Reg. III: 2.02} {WAC 173-400-075} <i>Not federally enforceable</i>	12/14/00 8/18/98 8/18/98 8/18/98 10/28/09 10/28/09 10/28/09 4/5/02 ----- 9/26/02 8/21/98	II.F.63, II.F.67, II.F.68), §60.482-8 (see II.F.79, II.F.80), §60.483-2 (see II.F.69), and §60.482-10 (see II.F.89-II.F.91), shall record the following information: - The instrument and operator identification numbers and the equipment identification number; - The date the leak was detected and the dates of each attempt to repair the leak; - Repair methods applied in each attempt to repair the leak; - “Above 10,000” if the maximum instrument reading measured by the methods specified in §60.485(b), (11/16/07), after each repair attempt is ≥10,000 ppm; - “Repair delayed” and the reason for the delay if a leak is not repaired within 15 days after detection of the leak; - The name of the person whose decision it was that repair could not be effected without a process turnaround; - The expected date of successful repair of the leak if a leak is not repaired within 15 days; - Dates of process unit turnaround that occur while the equipment is unrepaired; and The date of successful repair of the leak.
<b>II.F.129</b>	Subpart CC equipment in organic HAP service, except pressure relief valves in gas/vapor service (see note above)	<i>Established pursuant to:</i> WAC 173-401-615(1)(b) WAC 173-401-615(2)(a) PSCAA Reg. I: 7.09(b) ----- PSCAA Reg. I: 7.09(b) <i>Not federally enforceable</i>	10/17/02 10/17/02 9/10/98 ----- 9/25/08	US Oil shall also record (in addition to the data specified in II.F.128): - The time of each monitoring test; and - Who conducted the corrective actions.
<b>II.F.130</b>	Subpart CC closed-vent system (see note)	40 CFR 60.482-10(l)(4) [40 CFR 60.482-10(a)] [40 CFR 63.648(a)] {40 CFR 63.4(a)(1)} -----	12/14/00 12/14/00 8/18/98 4/5/02 -----	For initial monitoring under §60.482-10(f)(1)(i) during which no leaks are detected, shall record: - The date of the inspection; and - A statement that no leaks were detected.

Req. No.	Applies to	Applicable Requirement	Adoption or Effective Date	Requirement Paraphrase (Information Only)
	above)	{PSCAA Reg. III: 2.02} {WAC 173-400-075} <i>Not federally enforceable</i>	9/26/02 6/8/07	
<b>II.F.131</b>	Subpart CC closed-vent system (see note above)	40 CFR 60.482-10(l)(5) [40 CFR 60.482-10(a)] [40 CFR 63.648(a)] {40 CFR 63.4(a)(1)} ----- {PSCAA Reg. III: 2.02} {WAC 173-400-075} <i>Not federally enforceable</i>	12/14/00 12/14/00 8/18/98 4/5/02 ----- 9/26/02 6/8/07	For each visual inspection under §60.482-10(f)(1)(ii) (see II.F.89) during which no leaks are detected, shall record: - The date of the inspection; and - A statement that no leaks were detected.
<b>II.F.132</b>	Subpart CC closed-vent system (see note above)	<i>Established pursuant to:</i> WAC 173-401-615(1)(b) WAC 173-401-615(2)(a) PSCAA Reg. I: 7.09(b) ----- PSCAA Reg. I: 7.09(b) <i>Not federally enforceable</i>	10/17/02 10/17/02 9/10/98 ----- 9/25/08	US Oil shall also record (in addition to the data specified in II.F.131): - The time of the inspection; - Who conducted the inspection.
<b>II.F.133</b>	Subpart CC closed-vent system and flares (see note above)	40 CFR 60.486(d)(1) [40 CFR 63.648(a)] {40 CFR 63.4(a)(1)} ----- {PSCAA Reg. III: 2.02} {WAC 173-400-075} <i>Not federally enforceable</i>	12/14/00 8/18/98 4/5/02 ----- 9/26/02 6/8/07	Shall keep detailed schematics, design specifications, and piping and instrument diagrams in a readily accessible location.
<b>II.F.134</b>	Subpart CC	40 CFR 60.486(d)(2)	12/14/00	Shall keep the dates and descriptions of any changes in design specifications in a readily

Req. No.	Applies to	Applicable Requirement	Adoption or Effective Date	Requirement Paraphrase (Information Only)
	closed-vent system and flares (see note above)	[40 CFR 63.648(a)] {40 CFR 63.4(a)(1)} ----- {PSCAA Reg. III: 2.02} {WAC 173-400-075} <i>Not federally enforceable</i>	8/18/98 4/5/02 ----- 9/26/02 6/8/07	accessible location.
<b>II.F.135</b>	Subpart CC closed-vent system and flares (see note above)	40 CFR 60.486(d)(3) [40 CFR 63.648(a)] {40 CFR 63.4(a)(1)} ----- {PSCAA Reg. III: 2.02} {WAC 173-400-075} <i>Not federally enforceable</i>	12/14/00 8/18/98 4/5/02 ----- 9/26/02 6/8/07	Shall keep a description of the flare pilot light monitoring system in a readily accessible location.
<b>II.F.136</b>	Subpart CC closed-vent system and flares (see note above)	40 CFR 60.486(d)(4) [40 CFR 63.648(a)] {40 CFR 63.4(a)(1)} ----- {PSCAA Reg. III: 2.02} {WAC 173-400-075} <i>Not federally enforceable</i>	12/14/00 8/18/98 4/5/02 ----- 9/26/02 6/8/07	Shall keep a record of all periods when the closed vent system and flares are not operated as designed (including periods when a flare pilot light does not have a flame) in a readily accessible location.
<b>II.F.137</b>	Subpart CC closed-vent system and flares (see note above)	40 CFR 60.486(d)(5) [40 CFR 63.648(a)] {40 CFR 63.4(a)(1)} ----- {PSCAA Reg. III: 2.02} {WAC 173-400-075} <i>Not federally enforceable</i>	12/14/00 8/18/98 4/5/02 ----- 9/26/02 6/8/07	Shall keep a record of the dates of startups and shutdowns of the closed-vent systems and flares in a readily accessible location.

Req. No.	Applies to	Applicable Requirement	Adoption or Effective Date	Requirement Paraphrase (Information Only)
<b>Internal Floating Roof Storage Tanks – Floating Roofs</b>				
<p>(Note 1: Requirements II.F.138, II.F.140 - II.F.142, and II.F.146- II.F.150 from 40 CFR Part 60, Subpart Kb, apply to all tanks built after 7/23/84 with a capacity <math>\geq 19,813</math> gal (472 bbl) storing VOC with a maximum true vapor pressure <math>\geq 2.2</math> psia, and to tanks with a capacity <math>\geq 39,890</math> gal (950 bbl) storing VOC with a maximum true vapor pressure <math>\geq 0.51</math> psia, except for tank trucks, railcars, barges or ships; and pressure tanks designed to operate in excess of 29.73 psig without emissions to the atmosphere. However, the control requirements apply only to tanks with a capacity <math>\geq 19,813</math> gal (470 bbl) storing VOC with a maximum true vapor pressure <math>\geq 4.00</math> psia, and to tanks with a capacity <math>\geq 39,890</math> gal (950 bbl) storing VOC with a maximum true vapor pressure <math>\geq 0.75</math> psia. At the time of permit renewal (7/22/10), these control requirements applied to IFR tanks TK-2004, TK-5003 and TK-10010. The requirements don't apply to TK-5003 when used for storing biodiesel.</p> <p>Note 2: Requirements II.F.139, II.F.144 and II.F.145 from PSCAA Regulation II, Section 3.02 apply all stationary storage tanks with a capacity <math>\geq 40,000</math> gal (952 bbl) storing VOC with a true vapor pressure <math>\geq 1.5</math> psia at actual monthly avg. storage temperatures as determined by the methods described in API Bulletin 2517. At the time of permit renewal (7/22/10), this included IFR tank TK-2004, TK-5003 and TK-10010.</p> <p>Note 3: At the time of permit renewal (7/22/10), TK-30005 was a Group 2 IFR tank not subject to any floating roof requirements.)</p>				
<b>Internal Floating Roof Tanks - Inspections</b>				

Req. No.	Applies to	Applicable Requirement	Adoption or Effective Date	Requirement Paraphrase (Information Only)
<b>II.F.138</b>	Subpart Kb IFR tanks ≥950 bbl storing VOC ≥0.75 psia or ≥472 bbl storing VOC ≥4.00 psia (see note 1 above) (included TK-2004, TK-5003 and TK- 10010)	40 CFR 60.113b(a)(5) ----- {PSCAA Reg. I: 6.11} {WAC 173-400-115} <i>Not federally enforceable</i>	8/11/89 ----- 9/26/02 6/8/07	Shall notify both EPA Region 10 and PSCAA ≥ <b>30 days in advance</b> of any filling or refilling of each storage tank for which an inspection is required by §60.113b(a)(1) (see II.F.140) and §60.113b(a)(4) (see II.F.142) to afford them the opportunity to have an observer present. If the inspection required by paragraph §60.113b(a)(4) is not planned and US Oil could not have known about the inspection 30 days in advance of refilling the tank, US Oil shall notify PSCAA ≥7 days prior to the refilling of the storage tank. Notification shall be made by telephone immediately followed by written documentation demonstrating why the inspection was unplanned. Alternatively, this notification including the written documentation may be made in writing and sent by express mail so that it is received by PSCAA ≥7 days prior to the refilling.
<b>II.F.139</b>	IFR tanks ≥952 bbl storing VOC ≥1.5 psia (see note 2 above) (included: TK-2004, TK-5003 and TK- 10010)	PSCAA Reg. II: 3.02(i)(2)	7/8/99	Shall perform <b>semiannual</b> visual inspection of all floating roof seals and measurement of the concentration of VOC in the vapor space above the float.

Req. No.	Applies to	Applicable Requirement	Adoption or Effective Date	Requirement Paraphrase (Information Only)
<b>II.F.140</b>	Subpart Kb IFR tanks ≥950 bbl storing VOC ≥0.75 psia or ≥472 bbl storing VOC ≥4.00 psia (see note 1 above) (included TK-2004, TK-5003 and TK- 10010)	40 CFR 60.113b(a)(1) ----- {PSCAA Reg. I: 6.11} {WAC 173-400-115} <i>Not federally enforceable</i>	8/11/89 ----- 9/26/02 6/8/07	Shall visually inspect the floating roof, the primary seal, and the secondary seal (if one is in service), <b>prior to filling the storage tank.</b> If there are holes, tears, or other openings in the primary seal, the secondary seal, or the seal fabric or defects in the internal floating roof, or both, US Oil shall repair the items before filling the storage tank.

Req. No.	Applies to	Applicable Requirement	Adoption or Effective Date	Requirement Paraphrase (Information Only)
<b>II.F.141</b>	Subpart Kb IFR tanks ≥950 bbl storing VOC ≥0.75 psia or ≥472 bbl storing VOC ≥4.00 psia (see note 1 above) (included TK-2004, TK-5003 and TK- 10010)	40 CFR 60.113b(a)(2) ----- {PSCAA Reg. I: 6.11} {WAC 173-400-115} <i>Not federally enforceable</i>	8/11/89 ----- 9/26/02 6/8/07	For tanks equipped with a mechanical shoe seal, shall visually inspect the floating roof and the primary seal or the secondary seal (if one is in service) through manholes and roof hatches on the fixed roof <b>at least once every 12 months after initial fill</b> . If the roof is not floating, or there is liquid accumulated on the roof, or the seal is detached, or there are holes or tears in the seal fabric, US Oil shall repair the items or empty and remove the storage tank from service within 45 days. If a failure that is detected during inspections required in this paragraph cannot be repaired within 45 days and if the tank cannot be emptied within 45 days, a 30-day extension may be requested from PSCAA in the inspection report required in §60.115b(a)(3) (see V.P.14). Such a request for an extension shall document that alternate storage capacity is unavailable and specify a schedule of actions US Oil will take that will assure that the control equipment will be repaired or the tank will be emptied as soon as possible.

Req. No.	Applies to	Applicable Requirement	Adoption or Effective Date	Requirement Paraphrase (Information Only)
<b>II.F.142</b>	Subpart Kb IFR tanks ≥950 bbl storing VOC ≥0.75 psia or ≥472 bbl storing VOC ≥4.00 psia (see note 1 above) (included TK-2004, TK-5003 and TK- 10010)	40 CFR 60.113b(a)(4) ----- {PSCAA Reg. I: 6.11} {WAC 173-400-115} <i>Not federally enforceable</i>	8/11/89 ----- 9/26/02 6/8/07	Shall visually inspect the floating roof, the primary seal, the secondary seal (if one is in service), gaskets, slotted membranes and sleeve seals (if any) <b>each time the storage tank is emptied and degassed.</b> If the floating roof has defects, the primary seal has holes, tears, or other openings in the seal or the seal fabric, or the secondary seal has holes, tears, or other openings in the seal or the seal fabric, or the gaskets no longer close off the liquid surfaces from the atmosphere, or the slotted membrane has >10% open area, US Oil shall repair the items as necessary so that none of the conditions specified in this paragraph exist before refilling the storage tank. <i>In no event</i> shall inspections conducted in accordance with this provision occur at intervals >10 yrs in the case of tanks conducting the annual visual inspection as specified in §60.113b(a)(2).
<b>II.F.143</b>	TK-10010  TK-5003	PSCAA Order of Approval No. 9755, Condition 7  PSCAA Order of Approval No. 10029, Condition 7	2/29/08  4/28/09	Shall inspect the entire circumference of each primary and secondary seal for compliance with the requirements of Section 3.02 of Regulation II during hydrotesting of the tank. The time between inspections shall <b>not exceed 10 years.</b> If a new primary or secondary seal is installed, or if a primary or secondary seal is repaired, both seals shall be inspected <b>at the time of the seal installation or repair.</b> Flexible wiper seals shall be inspected when the outer edge of the seal is curved upward.



Req. No.	Applies to	Applicable Requirement	Adoption or Effective Date	Requirement Paraphrase (Information Only)
Internal Floating Roof Tanks - Recordkeeping				
<b>II.F.144</b>	IFR tanks ≥952 bbl storing VOC ≥1.5 psia (see note 2 above) (included: TK-2004, TK-5003 and TK-10010)	PSCAA Reg. II: 3.02(i)(3)	7/8/99	Shall record the results of all inspections.
<b>II.F.145</b>	IFR tanks ≥952 bbl storing VOC ≥1.5 psia (see note 2 above) (included: TK-2004, TK-5003 and TK-10010)	<p><i>Established pursuant to:</i>  WAC 173-401-615(1)(b)  WAC 173-401-615(2)(a)  PSCAA Reg. I: 7.09(b)  -----  PSCAA Reg. I: 7.09(b)  <i>Not federally enforceable</i></p>	<p>10/17/02  10/17/02  9/10/98  -----  9/25/08</p>	<p>US Oil shall also record (in addition to the data specified in II.F.144):</p> <ul style="list-style-type: none"> <li>- The date and time of the inspection or measurement, including deck fittings;</li> <li>- The tank ID number;</li> <li>- Who conducted the inspection or measurement;</li> <li>- The results of the inspection or measurement;</li> <li>- The date and results of any corrective actions taken; and</li> <li>- Who conducted the corrective actions.</li> </ul>

Req. No.	Applies to	Applicable Requirement	Adoption or Effective Date	Requirement Paraphrase (Information Only)
<b>II.F.146</b>	Subpart Kb IFR tanks ≥950 bbl storing VOC ≥0.75 psia or ≥472 bbl storing VOC ≥4.00 psia (see note 1 above) (included TK-2004, TK-5003 and TK- 10010)	40 CFR 60.115b(a)(2) ----- {PSCAA Reg. I: 6.11} {WAC 173-400-115} <i>Not federally enforceable</i>	4/7/93 ----- 9/26/02 6/8/07	Shall keep a record of each inspection required by §60.113b(a)(1), (a)(2), (a)(3), and (a)(4) (see II.F.140-II.F.142). Each record shall identify the storage tank on which the inspection was performed, the date the tank was inspected, and the observed condition of each component of the control equipment (seals, floating roof, and deck fittings).

Req. No.	Applies to	Applicable Requirement	Adoption or Effective Date	Requirement Paraphrase (Information Only)
<b>II.F.147</b>	Subpart Kb IFR tanks ≥950 bbl storing VOC ≥0.75 psia or ≥472 bbl storing VOC ≥4.00 psia (see note 1 above) (included TK-2004, TK-5003 and TK- 10010)	<i>Established pursuant to:</i> WAC 173-401-615(1)(b) WAC 173-401-615(2)(a) PSCAA Reg. I: 7.09(b) ----- PSCAA Reg. I: 7.09(b) <i>Not federally enforceable</i>	10/17/02 10/17/02 9/10/98 ----- 9/25/08	US Oil shall also record (in addition to the data specified in II.F.146): - The results of each deck fitting inspection; - The time of the inspection or measurement; - Who conducted the inspection or measurement; - The date and results of any corrective actions taken; and - Who conducted the corrective actions.
<b>II.F.148</b>	Subpart Kb IFR tanks (see note 1 above) (included TK-2004, TK-5003 and TK- 10010)	40 CFR 60.116b(b) ----- {PSCAA Reg. I: 6.11} {WAC 173-400-115} <i>Not federally enforceable</i>	10/15/03 ----- 9/26/02 6/8/07	Shall record the dimensions of the tank and an analysis showing the capacity of the tank.

Req. No.	Applies to	Applicable Requirement	Adoption or Effective Date	Requirement Paraphrase (Information Only)
<b>II.F.149</b>	Group 2 IFR tanks (see note 3 above) (included TK-30005)	40 CFR 63.123(a) [40 CFR 63.655(i)(1)] [40 CFR 63.642(k)] [40 CFR 63.642(i)] {40 CFR 63.4(a)(1)} {40 CFR 63.4(a)(2)} ----- {PSCAA Reg. III: 2.02} {WAC 173-400-075} <i>Not federally enforceable</i> <i>*Group 2 only</i>	12/23/04 10/28/09 10/28/09 10/28/09 4/5/02 4/5/02 ----- 9/26/02 6/8/07	Shall record the dimensions and capacity of the tank.
<b>II.F.150</b>	Subpart Kb IFR tanks ≥950 bbl storing VOC ≥0.51 psia or ≥472 bbl storing VOC ≥2.18 psia (see note 1 above) (included TK-2004, TK-5003 and TK-10010)	40 CFR 60.116b(c) ----- {PSCAA Reg. I: 6.11} {WAC 173-400-115} <i>Not federally enforceable</i>	10/15/03 ----- 9/26/02 6/8/07	Shall keep records of the product stored, the period of storage, and the maximum true vapor pressure of each product during the respective storage period. (see 40 CFR 60.116b(e), 10/15/03)

Req. No.	Applies to	Applicable Requirement	Adoption or Effective Date	Requirement Paraphrase (Information Only)
<b>II.F.151</b>	Group 2 IFR tanks (see note 3 above) (included TK-30005)	40 CFR 63.646(b)(1) 40 CFR 63.655(i)(1)(iv) [40 CFR 63.642(k)] [40 CFR 63.642(i)] {40 CFR 63.4(a)(1)} {40 CFR 63.4(a)(2)} ----- {PSCAA Reg. III: 2.02} {WAC 173-400-075} <i>Not federally enforceable</i>	10/28/09 10/28/09 10/28/09 10/28/09 4/5/02 4/5/02 ----- 9/26/02 6/8/07	Shall record the data, assumptions, and procedures used to determine the total organic HAP (% by wt.) of the stored liquid for purposes of group determination. May use good engineering judgment or test results.

Req. No.	Applies to	Applicable Requirement	Adoption or Effective Date	Requirement Paraphrase (Information Only)
<b>External Floating Roof Storage Tanks – Floating Roofs</b>				
				<p>(Note 1: Requirements II.F.154, II.F.155, II.F.158, II.F.160, II.F.162 - II.F.164, II.F.166, II.F.167, II.F.169, II.F.171, II.F.175, and II.F.184 - II.F.189 for Group 1 storage tanks apply to all tanks <math>\geq 46,758</math> gal (1113 bbl) capacity with a stored liquid maximum true vapor pressure <math>\geq 1.5</math> psia and annual avg. true vapor pressure <math>\geq 1.2</math> psia and annual avg. total organic HAP content <math>&gt;4\%</math> by wt. that are located in <i>petroleum refining process units</i> - except for tank trucks, railcars, barges, or ships; pressure tanks designed to operate in excess of 29.73 psig without emissions to the atmosphere; bottoms receiver tanks; wastewater tanks; and 40 CFR Part 60, Subpart Kb tanks. At the time of permit renewal (7/22/10), Group 1 EFR tanks included TK-13001, TK-14001, TK-14002, TK-30006, TK-80001, TK-80003, TK-80004, TK-80005, TK-80006, TK-80007, TK-80011, TK-80012, TK-80013, TK-80014, TK-80015, TK-80017, and TK-80018. Tanks TK-80017 and TK-80018 are NSPS Subpart Ka tanks but, as Group 1 tanks, they are exempt from the provisions of Subpart Ka per 40 CFR 63.640(n)(5).</p> <p>Note 2: Requirements II.F.184 - II.F.186 for Group 2 storage tanks apply to all other tanks used to store organic liquids, except for tank trucks, railcars, barges, or ships; pressure tanks designed to operate in excess of 29.73 psig without emissions to the atmosphere; tanks <math>&lt;10,566</math> gal (252 bbl) capacity; bottoms receiver tanks; wastewater tanks; 40 CFR Part 60, Subpart Kb tanks; and tanks subject to the control requirements in 40 CFR Part 60, Subpart Ka. At the time of permit renewal (7/22/10), Group 2 EFR tanks included TK-8503 and TK-80002.</p> <p>Note 3: Requirements II.F.152, II.F.153, II.F.157, II.F.159, II.F.161, II.F.165, II.F.168, II.F.170, II.F.172 - II.F.174, and II.F.178 - II.F.183 from 40 CFR Part 60, Subpart Kb apply to all tanks built after 7/23/84 with a capacity <math>\geq 19,813</math> gal (472 bbl) storing VOC with a maximum true vapor pressure <math>\geq 2.2</math> psia, and to tanks with a capacity <math>\geq 39,890</math> gal (950 bbl) storing VOC with a maximum true vapor pressure <math>\geq 0.51</math> psia, except for tank trucks, railcars, barges or ships; and pressure tanks designed to operate in excess of 29.73 psig without emissions to the atmosphere. However, the control requirements apply only to tanks with a capacity <math>\geq 19,813</math> gal (472 bbl) storing VOC with a maximum true vapor pressure <math>\geq 4.00</math> psia, and to tanks with a capacity <math>\geq 39,890</math> gal (950 bbl) storing VOC with a maximum true vapor pressure <math>\geq 0.75</math> psia. At the time of permit renewal (7/22/10), these control requirements applied to EFR tanks TK-15001, TK-15002, TK-80020, TK-80021, TK-80022, TK-300001, and TK-300002. Tanks TK-14001 and TK-14002 are not subject to Subpart Kb but must comply with 60.112b(a)(2) pursuant to PSCAA Order of Approval No. 6536, Condition 4.</p> <p>Note 4: Requirements II.F.156, II.F.176 and II.F.177 from PSCAA Regulation II, Section 3.02 apply to all stationary storage tanks with a capacity <math>\geq 40,000</math> gal (950 bbl) storing VOC with a true vapor pressure <math>\geq 1.5</math> psia at actual monthly average storage temperatures as determined by the methods described in API Bulletin 2517. At the time of permit renewal (7/22/10), this included TK-13001, TK-14001, TK-14002, TK-15001, TK-15002, TK-30006, TK-80001, TK-80003, TK-80004, TK-80005, TK-80006, TK-80007, TK-80011, TK-80012, TK-80013, TK-80014, TK-80015, TK-80017, TK-80018, TK-80020, TK-80021, TK-80022, TK-300001, and TK-300002. At the time of permit renewal (7/22/10), there were no tanks subject to</p>

Req. No.	Applies to	Applicable Requirement	Adoption or Effective Date	Requirement Paraphrase (Information Only)
PSCAA Reg. II, Section 3.02 or Chapter 173-491 WAC that were not either Group 1 storage tanks or Subpart Kb storage tanks.)				
External Floating Roof Tanks – Inspections				
<b>II.F.152</b>	Subpart Kb EFR tanks ≥950 bbl storing VOC ≥0.75 psia or ≥472 bbl storing VOC ≥4.00 psia (see note 3 above) (included TK-15001, TK-15002, TK-80020, TK-80021, TK-80022, TK- 300001, TK- 300002)	40 CFR 60.113b(b)(5) ----- {PSCAA Reg. I: 6.11} {WAC 173-400-115} <i>Not federally enforceable</i>	8/11/89 ----- 9/26/02 6/8/07	Shall notify PSCAA <b>≥30 days in advance</b> of any seal gap measurements to afford PSCAA the opportunity to have an observer present..

Req. No.	Applies to	Applicable Requirement	Adoption or Effective Date	Requirement Paraphrase (Information Only)
<b>II.F.153</b>	Subpart Kb EFR tanks ≥950 bbl storing VOC ≥0.75 psia or ≥472 bbl storing VOC ≥4.00 psia (see note 3 above) (included TK-15001, TK-15002, TK-80020, TK-80021, TK-80022, TK- 300001, TK- 300002)	40 CFR 60.113b(b)(6)(ii) ----- {PSCAA Reg. I: 6.11} {WAC 173-400-115} <i>Not federally enforceable</i>	8/11/89 ----- 9/26/02 6/8/07	Shall notify PSCAA in writing ≥ <b>30 days prior to refilling</b> an empty tank to afford them the opportunity to inspect the tank pursuant to §60.113b(b)(6) (see II.F.168). If the inspection is unplanned and US Oil could not have known about the inspection 30 days in advance of refilling the tank, shall notify PSCAA ≥7 days prior to the refilling of the tank. Notification shall be made by telephone immediately followed by written documentation demonstrating why the inspection was unplanned. Alternatively, this notification (including the written documentation) may be made in writing and sent by express mail so that it is received by PSCAA ≥7 days prior to refilling.



Req. No.	Applies to	Applicable Requirement	Adoption or Effective Date	Requirement Paraphrase (Information Only)
<b>II.F.154</b>	Group 1 EFR tanks (see note 1 above) (included: TK-13001, TK-14001, TK-14002, TK-30006, TK-80001, TK-80003, TK-80004, TK-80005, TK-80006, TK-80007, TK-80011, TK-80012, TK-80013, TK-80014, TK-80015, TK-80017, TK-80018)	40 CFR 63.120(b)(9) [40 CFR 63.646(a)] 40 CFR 63.655(h)(2)(ii) [40 CFR 63.642(k)] [40 CFR 63.642(i)] {40 CFR 63.4(a)(1)} {40 CFR 63.4(a)(2)} ----- {PSCAA Reg. III: 2.02} {WAC 173-400-075} <i>Not federally enforceable</i>	1/17/97 10/28/09 10/28/09 10/28/09 10/28/09 4/5/02 4/5/02 ----- 9/26/02 6/8/07	Shall notify PSCAA in writing <b>≥30 days in advance</b> of any gap measurements required by §63.120(b)(1)(see II.F.158, II.F.160) to afford PSCAA the opportunity to have an observer present.

Req. No.	Applies to	Applicable Requirement	Adoption or Effective Date	Requirement Paraphrase (Information Only)
<b>II.F.155</b>	Group 1 EFR tanks (see note 1 above) (included: TK-13001, TK-14001, TK-14002, TK-30006, TK-80001, TK-80003, TK-80004, TK-80005, TK-80006, TK-80007, TK-80011, TK-80012, TK-80013, TK-80014, TK-80015, TK-80017, TK-80018)	40 CFR 63.120(b)(10)(ii) 40 CFR 63.120(b)(10)(iii) [40 CFR 63.646(a)] 40 CFR 63.655(h)(2)(i) [40 CFR 63.642(k)] [40 CFR 63.642(i)] {40 CFR 63.4(a)(1)} {40 CFR 63.4(a)(2)} ----- {PSCAA Reg. III: 2.02} {WAC 173-400-075} <i>Not federally enforceable</i>	1/17/97 1/17/97 10/28/09 10/28/09 10/28/09 10/28/09 4/5/02 4/5/02 ----- 9/26/02 6/8/07	Shall notify PSCAA in writing <b>≥30 days prior to filling or refilling</b> of any tank with organic HAP, unless the inspection is unplanned and US Oil could not have known about the inspection 30 days in advance of refilling, in which case shall notify PSCAA ≥7 days prior to filling or refilling of the tank.

Req. No.	Applies to	Applicable Requirement	Adoption or Effective Date	Requirement Paraphrase (Information Only)
<b>II.F.156</b>	EFR tanks ≥952 bbl storing VOC ≥1.5 psia (see note 4 above) (included: TK-13001, TK-14001, TK-14002, TK-15001, TK-15002, TK-30006, TK-80001, TK-80003, TK-80004, TK-80005, TK-80006, TK-80007, TK-80011, TK-80012, TK-80013, TK-80014, TK-80015, TK-80017, TK-80018, TK-80020, TK-80021, TK-80022, TK- 300001, TK- 300002)	PSCAA Reg. II: 3.02(i)(1)	7/8/99	Shall perform <b>semiannual</b> visual inspection of all external floating roof seals and closure devices and perform annual gap measurements on both the primary and secondary seals.

Req. No.	Applies to	Applicable Requirement	Adoption or Effective Date	Requirement Paraphrase (Information Only)
<b>II.F.157</b>	Subpart Kb EFR tanks ≥950 bbl storing VOC ≥0.75 psia or ≥472 bbl storing VOC ≥4.00 psia (see note 3 above) (included TK-15001, TK-15002, TK-80020, TK-80021, TK-80022, TK- 300001, TK- 300002)	40 CFR 60.113b(b)(1)(i) 40 CFR 63.640(n)(8)(ii)* ----- {PSCAA Reg. I: 6.11} {WAC 173-400-115} <i>Not federally enforceable</i>	8/11/89 10/28/09 ----- 9/26/02 6/8/07	Shall perform primary seal gap inspections <b>at least once every 5 yr</b> (and within 60 days of refill if out of service for ≥1 yr). *If the floating roof appears to be structurally unsound and poses an imminent danger to inspecting personnel, shall instead comply with §63.120(b)(7).

Req. No.	Applies to	Applicable Requirement	Adoption or Effective Date	Requirement Paraphrase (Information Only)
<b>II.F.158</b>	Group 1 EFR tanks (see note 1 above) (included: TK-13001, TK-14001, TK-14002, TK-30006, TK-80001, TK-80003, TK-80004, TK-80005, TK-80006, TK-80007, TK-80011, TK-80012, TK-80013, TK-80014, TK-80015, TK-80017, TK-80018)	40 CFR 63.120(b)(1) [40 CFR 63.646(a)] [40 CFR 63.646(g)] [40 CFR 63.642(k)] [40 CFR 63.642(i)] {40 CFR 63.4(a)(1)} ----- {PSCAA Reg. III: 2.02} {WAC 173-400-075} <i>Not federally enforceable</i>	1/17/97 10/28/09 10/28/09 10/28/09 10/28/09 4/5/02 ----- 9/26/02 6/8/07	Shall measure gaps between the tank wall and the primary seal <b>at least once every 5 yr</b> (and within 90 days of refill if out of service for $\geq 1$ yr). If the floating roof appears to be structurally unsound and poses an imminent danger to inspecting personnel, shall instead comply with §63.120(b)(7).

Req. No.	Applies to	Applicable Requirement	Adoption or Effective Date	Requirement Paraphrase (Information Only)
<b>II.F.159</b>	Subpart Kb EFR tanks ≥950 bbl storing VOC ≥0.75 psia or ≥472 bbl storing VOC ≥4.00 psia (see note 3 above) (included TK-15001, TK-15002, TK-80020, TK-80021, TK-80022, TK- 300001, TK- 300002)	40 CFR 60.113b(b)(1)(ii) 40 CFR 63.640(n)(8)(ii)* ----- {PSCAA Reg. I: 6.11} {WAC 173-400-115} <i>Not federally enforceable</i>	8/11/89 10/28/09  ----- 9/26/02 6/8/07	Shall perform secondary seal gap inspections at least <b>annually</b> (and within 60 days of refill if out of service for ≥1 yr). *If the floating roof appears to be structurally unsound and poses an imminent danger to inspecting personnel, shall instead comply with §63.120(b)(7).

Req. No.	Applies to	Applicable Requirement	Adoption or Effective Date	Requirement Paraphrase (Information Only)
<b>II.F.160</b>	Group 1 EFR tanks (see note 1 above) (included: TK-13001, TK-14001, TK-14002, TK-30006, TK-80001, TK-80003, TK-80004, TK-80005, TK-80006, TK-80007, TK-80011, TK-80012, TK-80013, TK-80014, TK-80015, TK-80017, TK-80018)	40 CFR 63.120(b)(1) [40 CFR 63.646(a)] [40 CFR 63.646(g)] [40 CFR 63.642(k)] [40 CFR 63.642(i)] {40 CFR 63.4(a)(1)} ----- {PSCAA Reg. III: 2.02} {WAC 173-400-075} <i>Not federally enforceable</i>	1/17/97 10/28/09 10/28/09 10/28/09 10/28/09 4/5/02 ----- 9/26/02 6/8/07	Shall perform secondary seal gap inspections at least <b>annually</b> (and within 90 days of refill if out of service for $\geq 1$ yr). If the floating roof appears to be structurally unsound and poses an imminent danger to inspecting personnel, shall instead comply with §63.120(b)(7).

Req. No.	Applies to	Applicable Requirement	Adoption or Effective Date	Requirement Paraphrase (Information Only)
<b>II.F.161</b>	Subpart Kb EFR tanks ≥950 bbl storing VOC ≥0.75 psia or ≥472 bbl storing VOC ≥4.00 psia (see note 3 above) (included TK-15001, TK-15002, TK-80020, TK-80021, TK-80022, TK- 300001, TK- 300002)	40 CFR 60.113b(b)(2) ----- {PSCAA Reg. I: 6.11} {WAC 173-400-115} <i>Not federally enforceable</i>	8/11/89 ----- 9/26/02 6/8/07	Shall measure seal gaps (when the roof is floating off the roof leg supports) around the entire circumference of the tank in each place where a 1/8" diameter probe passes freely (without forcing or binding against seal) and measure the circumferential distance of each such location. Shall determine the total surface area of each gap by using probes of various widths to accurately measure the actual distance from the tank wall to the seal and multiplying each such width by its respective circumferential distance.



Req. No.	Applies to	Applicable Requirement	Adoption or Effective Date	Requirement Paraphrase (Information Only)
<b>II.F.162</b>	Group 1 EFR tanks (see note 1 above) (included: TK-13001, TK-14001, TK-14002, TK-30006, TK-80001, TK-80003, TK-80004, TK-80005, TK-80006, TK-80007, TK-80011, TK-80012, TK-80013, TK-80014, TK-80015, TK-80017, TK-80018)	40 CFR 63.120(b)(2)(i) [40 CFR 63.646(a)] [40 CFR 63.642(k)] [40 CFR 63.642(i)] {40 CFR 63.4(a)(1)} ----- {PSCAA Reg. III: 2.02} {WAC 173-400-075} Not federally enforceable	1/17/97 10/28/09 10/28/09 10/28/09 4/5/02 ----- 9/26/02 6/8/07	Shall measure seal gaps when the roof is not resting on the roof leg supports.

Req. No.	Applies to	Applicable Requirement	Adoption or Effective Date	Requirement Paraphrase (Information Only)
<b>II.F.163</b>	Group 1 EFR tanks (see note 1 above) (included: TK-13001, TK-14001, TK-14002, TK-30006, TK-80001, TK-80003, TK-80004, TK-80005, TK-80006, TK-80007, TK-80011, TK-80012, TK-80013, TK-80014, TK-80015, TK-80017, TK-80018)	40 CFR 63.120(b)(2)(ii) [40 CFR 63.646(a)] [40 CFR 63.642(k)] [40 CFR 63.642(i)] {40 CFR 63.4(a)(1)} ----- {PSCAA Reg. III: 2.02} {WAC 173-400-075} <i>Not federally enforceable</i>	1/17/97 10/28/09 10/28/09 10/28/09 4/5/02 ----- 9/26/02 6/8/07	Shall measure seal gaps around the entire circumference of the tank in each place where a 1/8" diameter probe passes freely (without forcing or binding against the seal) between the seal and the wall of the tank. Shall also measure the circumferential distance of each such location.

Req. No.	Applies to	Applicable Requirement	Adoption or Effective Date	Requirement Paraphrase (Information Only)
<b>II.F.164</b>	Group 1 EFR tanks (see note 1 above) (included: TK-13001, TK-14001, TK-14002, TK-30006, TK-80001, TK-80003, TK-80004, TK-80005, TK-80006, TK-80007, TK-80011, TK-80012, TK-80013, TK-80014, TK-80015, TK-80017, TK-80018)	40 CFR 63.120(b)(2)(iii) [40 CFR 63.646(a)] [40 CFR 63.642(k)] [40 CFR 63.642(i)] {40 CFR 63.4(a)(1)} ----- {PSCAA Reg. III: 2.02} {WAC 173-400-075} <i>Not federally enforceable</i>	1/17/97 10/28/09 10/28/09 10/28/09 4/5/02 ----- 9/26/02 6/8/07	Shall determine the total surface area of each gap described in §63.120(b)(2)(ii) (see II.F.163) by using probes of various widths to measure accurately the actual distance from the tank wall to the seal and multiplying each such width by its respective circumferential distance.

Req. No.	Applies to	Applicable Requirement	Adoption or Effective Date	Requirement Paraphrase (Information Only)
<b>II.F.165</b>	Subpart Kb EFR tanks ≥950 bbl storing VOC ≥0.75 psia or ≥472 bbl storing VOC ≥4.00 psia (see note 3 above) (included TK-15001, TK-15002, TK-80020, TK-80021, TK-80022, TK- 300001, TK- 300002)	40 CFR 60.113b(b)(3) ----- {PSCAA Reg. I: 6.11} {WAC 173-400-115} <i>Not federally enforceable</i>	8/11/89 ----- 9/26/02 6/8/07	Shall add the gap surface area of each gap location and divide the sum for each seal by the nominal diameter of the tank and compare each ratio to the respective standards in §60.113b(b)(4) (see II.F.172, II.F.173).

Req. No.	Applies to	Applicable Requirement	Adoption or Effective Date	Requirement Paraphrase (Information Only)
<b>II.F.166</b>	Group 1 EFR tanks (see note 1 above) (included: TK-13001, TK-14001, TK-14002, TK-30006, TK-80001, TK-80003, TK-80004, TK-80005, TK-80006, TK-80007, TK-80011, TK-80012, TK-80013, TK-80014, TK-80015, TK-80017, TK-80018)	40 CFR 63.120(b)(3) [40 CFR 63.646(a)] [40 CFR 63.642(k)] [40 CFR 63.642(i)] {40 CFR 63.4(a)(1)} ----- {PSCAA Reg. III: 2.02} {WAC 173-400-075} <i>Not federally enforceable</i>	1/17/97 10/28/09 10/28/09 10/28/09 4/5/02 ----- 9/26/02 6/8/07	Shall add the gap surface area of each gap location for the primary seal and divide the sum by the nominal diameter of the tank. The accumulated area of gaps between the tank wall and the primary seal shall not exceed 10 in <sup>2</sup> per ft of tank diameter and the width of any portion of any gap shall not exceed 1.5".

Req. No.	Applies to	Applicable Requirement	Adoption or Effective Date	Requirement Paraphrase (Information Only)
<b>II.F.167</b>	Group 1 EFR tanks (see note 1 above) (included: TK-13001, TK-14001, TK-14002, TK-30006, TK-80001, TK-80003, TK-80004, TK-80005, TK-80006, TK-80007, TK-80011, TK-80012, TK-80013, TK-80014, TK-80015, TK-80017, 80018)	40 CFR 63.120(b)(4) [40 CFR 63.646(a)] [40 CFR 63.642(k)] [40 CFR 63.642(i)] {40 CFR 63.4(a)(1)} ----- {PSCAA Reg. III: 2.02} {WAC 173-400-075} <i>Not federally enforceable</i>	1/17/97 10/28/09 10/28/09 10/28/09 4/5/02 ----- 9/26/02 6/8/07	Shall add the gap surface area of each gap location for the secondary seal and divide the sum by the nominal diameter of the tank. The accumulated area of gaps between the tank wall and the secondary seal shall not exceed 1 in <sup>2</sup> per ft of tank diameter and the width of any portion of any gap shall not exceed 0.5". These seal gap requirements may be exceeded during the measurement of primary seal gaps as required by §63.120(b)(1) (see II.F.158).

Req. No.	Applies to	Applicable Requirement	Adoption or Effective Date	Requirement Paraphrase (Information Only)
<b>II.F.168</b>	Subpart Kb EFR tanks ≥950 bbl storing VOC ≥0.75 psia or ≥472 bbl storing VOC ≥4.00 psia (see note 3 above) (included TK-15001, TK-15002, TK-80020, TK-80021, TK-80022, TK- 300001, TK- 300002)	40 CFR 60.113b(b)(6) ----- {PSCAA Reg. I: 6.11} {WAC 173-400-115} <i>Not federally enforceable</i>	8/11/89 ----- 9/26/02 6/8/07	Shall visually inspect the external floating roof, the primary seal, secondary seal, and deck fittings <b>each time the tank is emptied and degassed.</b>

Req. No.	Applies to	Applicable Requirement	Adoption or Effective Date	Requirement Paraphrase (Information Only)
<b>II.F.169</b>	Group 1	40 CFR 63.120(b)(10)	1/17/97	Shall visually inspect the external floating roof, the primary seal, secondary seal, and deck fittings <b>each time the tank is emptied and degassed.</b>
	EFR tanks	[40 CFR 63.646(a)]	10/28/09	
	(see note 1	[40 CFR 63.646(g)]	10/28/09	
	above)	[40 CFR 63.642(k)]	10/28/09	
	(included:	[40 CFR 63.642(i)]	10/28/09	
	TK-13001,	{40 CFR 63.4(a)(1)}	4/5/02	
	TK-14001,	-----	-----	
	TK-14002,	{PSCAA Reg. III: 2.02}	9/26/02	
	TK-30006,	{WAC 173-400-075}	6/8/07	
	TK-80001,	<i>Not federally</i>		
	TK-80003,	<i>enforceable</i>		
	TK-80004,			
	TK-80005,			
	TK-80006,			
	TK-80007,			
	TK-80011,			
	TK-80012,			
	TK-80013,			
	TK-80014,			
	TK-80015,			
	TK-80017,			
	TK-80018)			



Req. No.	Applies to	Applicable Requirement	Adoption or Effective Date	Requirement Paraphrase (Information Only)
<b>II.F.170</b>	Subpart Kb EFR tanks ≥950 bbl storing VOC ≥0.75 psia or ≥472 bbl storing VOC ≥4.00 psia (see note 3 above) (included TK-15001, TK-15002, TK-80020, TK-80021, TK-80022, TK- 300001, TK- 300002)	40 CFR 60.113b(b)(6)(i) ----- {PSCAA Reg. I: 6.11} {WAC 173-400-115} <i>Not federally enforceable</i>	8/11/89 ----- 9/26/02 6/8/07	Shall repair: any defects in the external floating roof (including deck fittings); any holes, tears, or other openings in the primary seal or the seal fabric; and any holes, tears, or other openings in the secondary seal or the seal fabric <b>before refilling the tank.</b>

Req. No.	Applies to	Applicable Requirement	Adoption or Effective Date	Requirement Paraphrase (Information Only)
<b>II.F.171</b>	Group 1 EFR tanks (see note 1 above) (included: TK-13001, TK-14001, TK-14002, TK-30006, TK-80001, TK-80003, TK-80004, TK-80005, TK-80006, TK-80007, TK-80011, TK-80012, TK-80013, TK-80014, TK-80015, TK-80017, TK-80018)	40 CFR 63.120(b)(10)(i) [40 CFR 63.646(a)] [40 CFR 63.642(k)] [40 CFR 63.642(i)] {40 CFR 63.4(a)(1)} ----- {PSCAA Reg. III: 2.02} {WAC 173-400-075} <i>Not federally enforceable</i>	1/17/97 10/28/09 10/28/09 10/28/09 4/5/02 ----- 9/26/02 6/8/07	Shall repair any defects in the external floating roof (including deck fittings) and any holes, tears, or other openings in the primary seal or the seal fabric before refilling the tank with organic HAP.

Req. No.	Applies to	Applicable Requirement	Adoption or Effective Date	Requirement Paraphrase (Information Only)
<b>II.F.172</b>	Subpart Kb EFR tanks ≥950 bbl storing VOC ≥0.75 psia or ≥472 bbl storing VOC ≥4.00 psia (see note 3 above) (included TK-15001, TK-15002, TK-80020, TK-80021, TK-80022, TK- 300001, TK- 300002) *and TK-14001, TK-14002	40 CFR 60.113b(b)(4)(i) 40 CFR 60.112b(a)(2)(i) [PSCAA Order of Approval No. 6536: Condition 4]* ----- {PSCAA Reg. I: 6.11} {WAC 173-400-115} <i>Not federally enforceable</i>	8/11/89 10/8/97  8/6/96 ----- 9/26/02 6/8/07	Shall make necessary repairs or empty the tank within 45 days of the inspection if: - The accumulated area of gaps between the tank wall and the mechanical shoe exceed 10 in <sup>2</sup> per foot of tank diameter; - The width of any portion of any gap exceeds 1.5”; - One end of the mechanical shoe does not extend into the stored liquid and the other end does not extend a minimum vertical distance of 24” above the stored liquid surface; or - There are holes, tears, or other openings in the shoe, seal fabric, or seal envelope.

Req. No.	Applies to	Applicable Requirement	Adoption or Effective Date	Requirement Paraphrase (Information Only)
<b>II.F.173</b>	Subpart Kb	40 CFR	8/11/89	<p>Shall make necessary repairs or empty the tank within 45 days of the inspection if:</p> <p>The accumulated area of gaps between the tank wall and the secondary seal exceed 1.0 in<sup>2</sup> per foot of tank diameter;</p> <p>The width of any portion of any gap exceeds 0.5"; or</p> <p>There are holes, tears, or other openings in the seal or seal fabric.</p>
	EFR tanks	60.113b(b)(4)(ii)	10/8/97	
	≥950 bbl	40 CFR 60.112b(a)(2)(i)		
	storing	[PSCAA Order of		
	VOC ≥0.75	Approval No. 6536:	8/6/96	
	psia or	Condition 4]*		
	≥472 bbl	-----	-----	
	storing	{PSCAA Reg. I: 6.11 }	9/26/02	
	VOC ≥4.00	{WAC 173-400-115 }	6/8/07	
	psia	<i>Not federally</i>		
	(see note 3	<i>enforceable</i>		
	above)			
	(included			
	TK-15001,			
	TK-15002,			
	TK-80020,			
	TK-80021,			
	TK-80022,			
	TK-			
	300001,			
	TK-			
	300002)			
	*and			
	TK-14001,			
	TK-14002			

Req. No.	Applies to	Applicable Requirement	Adoption or Effective Date	Requirement Paraphrase (Information Only)
<b>II.F.174</b>	Subpart Kb EFR tanks ≥950 bbl storing VOC ≥0.75 psia or ≥472 bbl storing VOC ≥4.00 psia (see note 3 above) (included TK-15001, TK-15002, TK-80020, TK-80021, TK-80022, TK- 300001, TK- 300002)	40 CFR 63.640(n)(8)(iii) ----- {PSCAA Reg. I: 6.11} {WAC 173-400-115} <i>Not federally enforceable</i>	10/28/09 ----- 9/26/02 6/8/07	May utilize ≤2 extensions of ≤30 additional days each if seal repairs cannot be conducted within 45 days and if the tank cannot be emptied within 45 days.

Req. No.	Applies to	Applicable Requirement	Adoption or Effective Date	Requirement Paraphrase (Information Only)
II.F.175	Group 1	40 CFR 63.120(b)(8)	1/17/97	Shall repair conditions that do not meet requirements listed in §63.120(b)(3), (4), (5), and (6) (see II.F.166, II.F.167, I.F.67, I.F.69, I.F.71, I.F.74) within 45 days after identification, or empty and remove the tank from service within 45 days after identification. If during seal gap measurements required in §63.120(b)(1) and §63.120(b)(2) (see II.F.158, II.F.160, II.F.162, II.F.163, II.F.164) or during inspections necessary to determine compliance with paragraphs §63.120(b)(5) and §63.120(b)(6) a failure is detected that cannot be repaired within 45 days and if the tank cannot be emptied within 45 days, US Oil may utilize ≤2 extensions of ≤30 additional days each.
	EFR tanks	[40 CFR 63.646(a)]	10/28/09	
	(see note 1 above)	[40 CFR 63.642(k)]	10/28/09	
	(included:	[40 CFR 63.642(i)]	10/28/09	
	TK-13001,	{40 CFR 63.4(a)(1)}	4/5/02	
	TK-14001,	{40 CFR 63.4(a)(2)}	4/5/02	
	TK-14002,	-----	-----	
	TK-30006,	{PSCAA Reg. III: 2.02}	9/26/02	
	TK-80001,	{WAC 173-400-075}	6/8/07	
	TK-80003,	<i>Not federally</i>		
	TK-80004,	<i>enforceable</i>		
	TK-80005,			
	TK-80006,			
	TK-80007,			
	TK-80011,			
	TK-80012,			
	TK-80013,			
	TK-80014,			
	TK-80015,			
	TK-80017,			
	TK-80018)			
External Floating Roof Tanks - Recordkeeping				

Req. No.	Applies to	Applicable Requirement	Adoption or Effective Date	Requirement Paraphrase (Information Only)
<b>II.F.176</b>	EFR tanks ≥952 bbl storing VOC ≥1.5 psia (see note 4 above) (included: TK-13001, TK-14001, TK-14002, TK-15001, TK-15002, TK-30006, TK-80001, TK-80003, TK-80004, TK-80005, TK-80006, TK-80007, TK-80011, TK-80012, TK-80013, TK-80014, TK-80015, TK-80017, TK-80018, TK-80020, TK-80021, TK-80022, TK- 300001, TK- 300002)	PSCAA Reg. II: 3.02(i)(3)	7/8/99	Shall record the results of all inspections.

Req. No.	Applies to	Applicable Requirement	Adoption or Effective Date	Requirement Paraphrase (Information Only)
<b>II.F.177</b>	EFR tanks ≥952 bbl storing VOC ≥1.5 psia (included: TK-13001, TK-14001, TK-14002, TK-15001, TK-15002, TK-30006, TK-80001, TK-80003, TK-80004, TK-80005, TK-80006, TK-80007, TK-80011, TK-80012, TK-80013, TK-80014, TK-80015, TK-80017, TK-80018, TK-80020, TK-80021, TK-80022, TK- 300001, TK- 300002)	<i>Established pursuant to:</i> WAC 173-401-615(1)(b) WAC 173-401-615(2)(a) PSCAA Reg. I: 7.09(b) ----- PSCAA Reg. I: 7.09(b) <i>Not federally enforceable</i>	10/17/02 10/17/02 9/10/98 ----- 9/25/08	US Oil shall also record (in addition to the data specified in II.F.176): - The date and time of the inspection or measurement, including deck fittings; - The tank ID number; - Who conducted the inspection or measurement; - The results of the inspection or measurement; - The date and results of any corrective actions taken; and - Who conducted the corrective actions.



Req. No.	Applies to	Applicable Requirement	Adoption or Effective Date	Requirement Paraphrase (Information Only)
<b>II.F.178</b>	Subpart Kb EFR tanks (see note 3 above) (included: TK-15001, TK-15002, TK-80020, TK-80021, TK-80022, TK- 300001, TK- 300002)	40 CFR 60.7(b) ----- {PSCAA Reg. I: 6.11} {WAC 173-400-115} <i>Not federally enforceable</i>	2/12/99 ----- 9/26/02 6/8/07	Shall record the occurrence and duration of any startup, shutdown, or malfunction in the operation of the tank.
<b>II.F.179</b>	Subpart Kb EFR tanks (see note 3 above) (included: TK-15001, TK-15002, TK-80020, TK-80021, TK-80022, TK- 300001, TK- 300002)	40 CFR 60.7(f) ----- {PSCAA Reg. I: 6.11} {WAC 173-400-115} <i>Not federally enforceable</i>	2/12/99 ----- 9/26/02 6/8/07	Shall record in a permanent form suitable for inspection: all measurements and all information required by 40 CFR Part 60.

Req. No.	Applies to	Applicable Requirement	Adoption or Effective Date	Requirement Paraphrase (Information Only)
<b>II.F.180</b>	Subpart Kb EFR tanks ≥950 bbl storing VOC ≥0.75 psia or ≥472 bbl storing VOC ≥4.00 psia (see note 3 above) (included TK-15001, TK-15002, TK-80020, TK-80021, TK-80022, TK- 300001, TK- 300002)	40 CFR 60.115b(b)(3) ----- {PSCAA Reg. I: 6.11} {WAC 173-400-115} <i>Not federally enforceable</i>	4/7/93 ----- 9/26/02 6/8/07	Shall keep a record of each gap measurement performed that contains: <ul style="list-style-type: none"> <li>- The tank identification;</li> <li>- The date of measurement;</li> <li>- The raw data obtained; and</li> <li>- The calculations described in §60.113b(b)(2) (see II.F.161) and §60.113b(b)(3) (see II.F.165).</li> </ul>

Req. No.	Applies to	Applicable Requirement	Adoption or Effective Date	Requirement Paraphrase (Information Only)
<b>II.F.181</b>	Subpart Kb EFR tanks ≥950 bbl storing VOC ≥0.75 psia or ≥472 bbl storing VOC ≥4.00 psia (see note 3 above) (included TK-15001, TK-15002, TK-80020, TK-80021, TK-80022, TK- 300001, TK- 300002)	<i>Established pursuant to:</i> WAC 173-401-615(1)(b) WAC 173-401-615(2)(a) PSCAA Reg. I: 7.09(b) ----- PSCAA Reg. I: 7.09(b) <i>Not federally enforceable</i>	10/17/02 10/17/02 9/10/98 ----- 9/25/08	US Oil shall also record (in addition to the data specified in II.F.180): - The results of each deck fitting inspection; - The time of the inspection or measurement; - Who conducted the inspection or measurement; - The date and results of any corrective actions taken; and - Who conducted the corrective actions.

Req. No.	Applies to	Applicable Requirement	Adoption or Effective Date	Requirement Paraphrase (Information Only)
<b>II.F.182</b>	Subpart Kb EFR tanks (see note 3 above) (included TK-15001, TK-15002, TK-80020, TK-80021, TK-80022, TK- 300001, TK- 300002)	40 CFR 60.116b(b) ----- {PSCAA Reg. I: 6.11} {WAC 173-400-115} <i>Not federally enforceable</i>	10/15/03 ----- 9/26/02 6/8/07	Shall record the dimensions of the tank and an analysis showing the capacity of the tank.

Req. No.	Applies to	Applicable Requirement	Adoption or Effective Date	Requirement Paraphrase (Information Only)
<b>II.F.183</b>	Subpart Kb EFR tanks ≥950 bbl storing VOC ≥0.51 psia or ≥472 bbl storing VOC ≥2.18 psia (see note 3 above) (included: TK-15001, TK-15002, TK-80020, TK-80021, TK-80022, TK- 300001, TK- 300002)	40 CFR 60.116b(c) ----- {PSCAA Reg. I: 6.11} {WAC 173-400-115} <i>Not federally enforceable</i>	10/15/03 ----- 9/26/02 6/8/07	Shall keep records of the product stored, the period of storage, and the maximum true vapor pressure of each product during the respective storage period. (see 40 CFR 60.116b(e), 10/15/03)

Req. No.	Applies to	Applicable Requirement	Adoption or Effective Date	Requirement Paraphrase (Information Only)
<b>II.F.184</b>	Group 1 EFR tanks (see note 1 above) (included: TK-13001, TK-14001, TK-14002, TK-30006, TK-80001, TK-80003, TK-80004, TK-80005, TK-80006, TK-80007, TK-80011, TK-80012, TK-80013, TK-80014, TK-80015, TK-80017, TK-80018)	40 CFR 63.123(a) [40 CFR 63.655(i)(1)] [40 CFR 63.646(a)] [40 CFR 63.119(a)(3)]* [40 CFR 63.642(k)] [40 CFR 63.642(i)] {40 CFR 63.4(a)(1)} {40 CFR 63.4(a)(2)} ----- {PSCAA Reg. III: 2.02} {WAC 173-400-075} <i>Not federally enforceable</i>	12/23/04 10/28/09 10/28/09 12/21/06 10/28/09 10/28/09 4/5/02 4/5/02 ----- 9/26/02 6/8/07	Shall record the dimensions and capacity of the tank .
	Group 2 EFR tanks (see note 2 above) (included: TK-8503, TK-80002)	<i>*Group 2 only</i>		

Req. No.	Applies to	Applicable Requirement	Adoption or Effective Date	Requirement Paraphrase (Information Only)
<b>II.F.185</b>	Group 1 EFR tanks (see note 1 above) (included: TK-13001, TK-14001, TK-14002, TK-30006, TK-80001, TK-80003, TK-80004, TK-80005, TK-80006, TK-80007, TK-80011, TK-80012, TK-80013, TK-80014, TK-80015, TK-80017, TK-80018)	40 CFR 63.646(b)(1) 40 CFR 63.655(i)(1)(iv) [40 CFR 63.642(k)] [40 CFR 63.642(i)] {40 CFR 63.4(a)(1)} {40 CFR 63.4(a)(2)} ----- {PSCAA Reg. III: 2.02} {WAC 173-400-075} <i>Not federally enforceable</i>	10/28/09 10/28/09 10/28/09 10/28/09 4/5/02 4/5/02 ----- 9/26/02 6/8/07	Shall record the data, assumptions, and procedures used to determine the total organic HAP (% by wt.) of the stored liquid for purposes of group determination. May use good engineering judgment or test results.
	Group 2 EFR tanks (see note 2 above) (included: TK-8503, TK-80002)			

Req. No.	Applies to	Applicable Requirement	Adoption or Effective Date	Requirement Paraphrase (Information Only)
<b>II.F.186</b>	<p>Group 1 EFR tanks (see note 1 above) (included: TK-13001, TK-14001, TK-14002, TK-30006, TK-80001, TK-80003, TK-80004, TK-80005, TK-80006, TK-80007, TK-80011, TK-80012, TK-80013, TK-80014, TK-80015, TK-80017, TK-80018)</p> <p>Group 2 EFR tanks (see note 2 above) (included: TK-8503, TK-80002)</p>	<p><i>Established pursuant to:</i> WAC 173-401-615(1)(b) WAC 173-401-615(2)(a) PSCAA Reg. I: 7.09(b) ----- PSCAA Reg. I: 7.09(b) <i>Not federally enforceable</i></p>	<p>10/17/02 10/17/02 9/10/98 ----- 9/25/08</p>	<p>For tests (as specified in II.F.185), US Oil shall also record:</p> <ul style="list-style-type: none"> <li>- The date the analysis was performed;</li> <li>- Who performed the analyses;</li> <li>- The analytical techniques or methods used; and</li> <li>- The tank contents.</li> </ul>



Req. No.	Applies to	Applicable Requirement	Adoption or Effective Date	Requirement Paraphrase (Information Only)
<b>II.F.187</b>	Group 1	40 CFR 63.123(d)	12/23/04	Shall keep records describing the results of each seal gap measurement made in accordance with §63.120(b) (see II.F.158, II.F.160, II.F.169). The records shall include the date of the measurement, the raw data obtained in the measurement, and the calculations described in §63.120(b)(3) (see II.F.166) and §63.120(b)(4) (see II.F.167).
	EFR tanks	[40 CFR 63.655(i)(1)]	10/28/09	
	(see note 1	[40 CFR 63.642(k)]	10/28/09	
	above)	[40 CFR 63.642(i)]	10/28/09	
	(included:	{40 CFR 63.4(a)(1)}	4/5/02	
	TK-13001,	{40 CFR 63.4(a)(2)}	4/5/02	
	TK-14001,	-----	-----	
	TK-14002,	{PSCAA Reg. III: 2.02}	9/26/02	
	TK-30006,	{WAC 173-400-075}	6/8/07	
	TK-80001,	<i>Not federally</i>		
	TK-80003,	<i>enforceable</i>		
	TK-80004,			
	TK-80005,			
	TK-80006,			
	TK-80007,			
	TK-80011,			
	TK-80012,			
	TK-80013,			
	TK-80014,			
	TK-80015,			
	TK-80017,			
	TK-80018)			

Req. No.	Applies to	Applicable Requirement	Adoption or Effective Date	Requirement Paraphrase (Information Only)
<b>II.F.188</b>	Group 1 EFR tanks (see note 1 above) (included: TK-13001, TK-14001, TK-14002, TK-30006, TK-80001, TK-80003, TK-80004, TK-80005, TK-80006, TK-80007, TK-80011, TK-80012, TK-80013, TK-80014, TK-80015, TK-80017, TK-80018)	<i>Established pursuant to:</i> WAC 173-401-615(1)(b) WAC 173-401-615(2)(a) PSCAA Reg. I: 7.09(b) ----- PSCAA Reg. I: 7.09(b) <i>Not federally enforceable</i>	10/17/02 10/17/02 9/10/98 ----- 9/25/08	US Oil shall also record (in addition to the data specified in II.F.187): - The results of each deck fitting inspection; - The time of the inspection or measurement; - Who conducted the inspection or measurement; - The date and results of any corrective actions taken; and - Who conducted the corrective actions.

Req. No.	Applies to	Applicable Requirement	Adoption or Effective Date	Requirement Paraphrase (Information Only)
<b>II.F.189</b>	Group 1 EFR tanks (see note 1 above) (included: TK-13001, TK-14001, TK-14002, TK-30006, TK-80001, TK-80003, TK-80004, TK-80005, TK-80006, TK-80007, TK-80011, TK-80012, TK-80013, TK-80014, TK-80015, TK-80017, TK-80018)	40 CFR 63.123(g) [40 CFR 63.655(i)(1)] [40 CFR 63.642(k)] [40 CFR 63.642(i)] {40 CFR 63.4(a)(1)} {40 CFR 63.4(a)(2)} ----- {PSCAA Reg. III: 2.02} {WAC 173-400-075} <i>Not federally enforceable</i>	12/23/04 10/28/09 10/28/09 10/28/09 4/5/02 4/5/02 ----- 9/26/02 6/8/07	<i>If utilizing an extension in emptying a tank</i> , shall record a description of the failure, shall document that alternate storage capacity is unavailable, and shall specify a schedule of actions that will ensure that the control equipment will be repaired or the tank will be emptied as soon as possible.

Req. No.	Applies to	Applicable Requirement	Adoption or Effective Date	Requirement Paraphrase (Information Only)
<b>Fixed Roof Tanks – Vapor Combustor</b>				
				<p>(Note 1: Requirements II.F.191, II.F.194, II.F.195, II.F.198- II.F.214, and II.F.216 - II.F.218 for Group 1 storage tanks apply to all tanks <math>\geq 46,758</math> gal (1113 bbl) capacity with a stored liquid maximum true vapor pressure <math>\geq 1.5</math> psia and annual avg. true vapor pressure <math>\geq 1.2</math> psia and annual avg. total organic HAP content <math>&gt;4\%</math> by wt. that are located in petroleum refining process units - except for tank trucks, railcars, barges, or ships; pressure tanks designed to operate in excess of 29.73 psig without emissions to the atmosphere; bottoms receiver tanks; wastewater tanks; and 40 CFR Part 60, Subpart Kb tanks. At the time of permit renewal (7/22/10), Group 1 tanks included TK-1804, TK-7501, and TK-10001.</p> <p>Note 2: Requirements II.F.216, II.F.217 and II.F.218 for Group 2 storage tanks apply to all other tanks used to store organic liquids, except for tank trucks, railcars, barges, or ships; pressure tanks designed to operate in excess of 29.73 psig without emissions to the atmosphere; tanks <math>&lt;10,566</math> gal (252 bbl) capacity; bottoms receiver tanks; wastewater tanks; 40 CFR Part 60, Subpart Kb tanks; and tanks subject to the control requirements in 40 CFR Part 60, Subpart Ka. At the time of permit renewal (7/22/10), Group 2 fixed roof tanks included TK-502, TK-504, TK-505, TK-751, TK-752, TK-753, TK-756, TK-758, TK-759, TK-760, TK-901, TK-1208, TK-1209, TK-1210, TK-1501, TK-1502, TK-1601, TK-1602, TK-1701, TK-1801, TK-1803, TK-2001, TK-2002, TK-2003, TK-2701, TK-3001, TK-3002, TK-3003, TK-4001, TK-4002, TK-5001, TK-5002, TK-6001, TK-6002, TK-8501, TK-8502, TK-20001, TK-24001, TK-28001, TK-30001, TK-30002, TK-30003, TK-30004, TK-30005, TK-35002, TK-55001, TK-80009, TK-80010, TK-80016, and TK-80019.)</p> <p>Note 3: Requirements II.F.190, II.F.192, II.F.193, II.F.215, II.F.219, and II.F.220 from 40 CFR Part 60, Subpart Kb apply to all tanks built after 7/23/84 with a capacity <math>\geq 19,813</math> gal (472 bbl) storing VOC with a maximum true vapor pressure <math>\geq 2.2</math> psia, and to tanks with a capacity <math>\geq 39,890</math> gal (950 bbl) storing VOC with a maximum true vapor pressure <math>\geq 0.51</math> psia, except for tank trucks, railcars, barges or ships; and pressure tanks designed to operate in excess of 29.73 psig without emissions to the atmosphere. However, the control requirements apply only to tanks with a capacity <math>\geq 19,813</math> gal (472 bbl) storing VOC with a maximum true vapor pressure <math>\geq 4.00</math> psia, and to tanks with a capacity <math>\geq 39,890</math> gal (950 bbl) storing VOC with a maximum true vapor pressure <math>\geq 0.75</math> psia. At the time of permit renewal (7/22/10), these control requirements applied to TK-1805, TK-1806, TK-1807, TK-10002, TK-10003, TK-10004, TK-10006, TK-10008 and TK-20002. Tanks TK-471 and TK-472 are too small to require controls. Note also that Order of Approval No. 9007 was issued to construct two 1800 barrel tanks, TK-1804 and TK-1807. The tanks were constructed as planned, however, TK-1804 was renamed TK-1805 because the existing TK-1805 had to be unexpectedly taken out of service. Tank TK-1805 was rebuilt and renamed TK-1804.</p> <p>The requirements of 40 CFR Part 60, Subpart Ka apply to TK-30004 and TK-80019. However, its control requirements apply only to tanks storing VOC with a maximum true vapor pressure <math>\geq 1.5</math> psia. Neither of these tanks met this criterion at the time of permit renewal (7/22/10) and they are not expected to ever store volatile products. Subpart Ka requirements apply only to Group 2 tanks subject to the control requirements in Subpart Ka per 40 CFR 63.640(n)(6).</p> <p><del>Note 4: Requirements II.F.196, II.F.214 for the closed-vent system apply to the entire manifold from the Group 1 and Subpart Kb storage tanks to the vapor combustor, including the sections extending to the gasoline tank truck loading rack.)</del></p>

Req. No.	Applies to	Applicable Requirement	Adoption or Effective Date	Requirement Paraphrase (Information Only)
<b>II.F.190</b>	Subpart Kb fixed roof tanks ≥950 bbl storing VOC ≥0.51 psia or ≥472 bbl storing VOC ≥2.18 psia (see note 3 above) (included: TK-1805, TK-1806, TK-1807, TK-10002, TK-10003, TK-10004, TK-10006, TK-10008, TK-20002, H-1501)	40 CFR 60.113b(c)(2) ----- {PSCAA Reg. I: 6.11} {WAC 173-400-115} <i>Not federally enforceable</i>	8/11/89 ----- 9/26/02 6/8/07	Shall monitor the temperature of the vapor combustor whenever the vapor combustor is operating (processing vapors), including periods of startup, shutdown and malfunction.

Req. No.	Applies to	Applicable Requirement	Adoption or Effective Date	Requirement Paraphrase (Information Only)
<b>II.F.191</b>	Group 1 fixed roof tanks (see note 1 above) (included: TK-1804, TK-7501, TK-10001, H-1501)	40 CFR 63.120(d)(5) [40 CFR 63.646(a)] [40 CFR 63.646(g)] [40 CFR 63.642(k)] [40 CFR 63.642(i)] {40 CFR 63.4(a)(1)} ----- {PSCAA Reg. III: 2.02} {WAC 173-400-075} <i>Not federally enforceable</i>	1/17/97 10/28/09 10/28/09 10/28/09 10/28/09 4/5/02 ----- 9/26/02 6/8/07	Shall monitor the temperature of the vapor combustor whenever the vapor combustor is operating (processing vapors), including periods of startup, shutdown and malfunction.

Req. No.	Applies to	Applicable Requirement	Adoption or Effective Date	Requirement Paraphrase (Information Only)
<b>II.F.192</b>	Subpart Kb fixed roof tanks ≥950 bbl storing VOC ≥0.51 psia or ≥472 bbl storing VOC ≥2.18 psia (see note 3 above) (included: TK-1805, TK-1806, TK-1807, TK-10002, TK-10003, TK-10004, TK-10006, TK-10008, TK-20002, H-1501)	40 CFR 60.115b(c)(1) ----- {PSCAA Reg. I: 6.11} {WAC 173-400-115} <i>Not federally enforceable</i>	4/7/93 ----- 9/26/02 6/8/07	Shall keep a copy of the vapor combustor operating procedures.

Req. No.	Applies to	Applicable Requirement	Adoption or Effective Date	Requirement Paraphrase (Information Only)
<b>II.F.193</b>	Subpart Kb fixed roof tanks ≥950 bbl storing VOC ≥0.51 psia or ≥472 bbl storing VOC ≥2.18 psia (see note 3 above) (included: TK-1805, TK-1806, TK-1807, TK-10002, TK-10003, TK-10004, TK-10006, TK-10008, TK-20002, H-1501)	40 CFR 60.115b(c)(2)	4/7/93	Shall record the vapor combustor operating temperature.
		{PSCAA Reg. I: 6.11}	9/26/02	
		{WAC 173-400-115}	6/8/07	
		<i>Not federally enforceable</i>		



Req. No.	Applies to	Applicable Requirement	Adoption or Effective Date	Requirement Paraphrase (Information Only)
<b>II.F.194</b>	Group 1 fixed roof tanks (see note 1 above) (included: TK-1804, TK-7501, TK-10001, H-1501)	40 CFR 63.123(f) [40 CFR 63.655(i)(1)] [40 CFR 63.642(k)] [40 CFR 63.642(i)] {40 CFR 63.4(a)(1)} {40 CFR 63.4(a)(2)} ----- {PSCAA Reg. III: 2.02} {WAC 173-400-075} <i>Not federally enforceable</i>	12/23/04 10/28/09 10/28/09 10/28/09 4/5/02 4/5/02 ----- 9/26/02 6/8/07	Shall keep in a readily accessible location: - A record of the vapor combustor operating temperature; - A record of the planned routine maintenance performed on the vapor combustor; and - The duration of each time the vapor combustor does not meet the destruction efficiency requirement due to the planned routine maintenance, including the first time of day and date the requirements were not met at the beginning of the planned routine maintenance, and the first time of day and date the requirements were met at the conclusion of the planned routine maintenance.
<b>II.F.195</b>	Group 1 fixed roof tanks (see note 1 above) (included: TK-1804, TK-7501, TK-10001, H-1501)	40 CFR 63.655(i)(2) [40 CFR 63.642(k)] [40 CFR 63.642(i)] {40 CFR 63.4(a)(1)} {40 CFR 63.4(a)(2)} ----- {PSCAA Reg. III: 2.02} {WAC 173-400-075} <i>Not federally enforceable</i>	10/28/09 10/28/09 10/28/09 4/5/02 4/5/02 ----- 9/26/02 6/8/07	Shall keep a record of all performance test results as well as a complete test report.
<b>Fixed Roof Tanks/Gasoline Tank Truck Loading Rack - Closed-Vent System</b>				
<b>II.F.196</b>	Closed-vent system (see note 4 above)	WAC 173-491-040(6)(b)(iii)(B) <i>Not federally enforceable</i>	1/23/98	Shall repair and retest a closed-vent system that exceeds the limits of WAC 173-491-040(6)(b)(iii)(A) (see I.F.103, I.F.105, I.F.112, I.F.113) <b>within 15 days.</b>

Req. No.	Applies to	Applicable Requirement	Adoption or Effective Date	Requirement Paraphrase (Information Only)
<b>II.F.197</b>	Closed-vent system (see note 4 above)	WAC 173-491-040(6)(a) <i>Not federally enforceable</i>	1/23/98	Shall discontinue gasoline transfer operations for noncompliant portions of the closed vent system during May through September.
<b>II.F.198</b>	Closed-vent system (see note 4 above)	40 CFR 63.120(d)(6) [40 CFR 63.646(a)] [40 CFR 63.642(k)] [40 CFR 63.642(i)] {40 CFR 63.4(a)(1)} ----- {PSCAA Reg. III: 2.02} {WAC 173-400-075} <i>Not federally enforceable</i>	1/17/97 10/28/09 10/28/09 10/28/09 4/5/02 ----- 9/26/02 6/8/07	Shall inspect the closed-vent system as specified in §63.148 while the closed-vent system is under positive pressure (e.g., during filling of a tank). For the gasoline tank truck loading rack vapor balance system, the inspections shall be performed during truck loading.
<b>II.F.199</b>	Closed-vent system (see note 4 above)	40 CFR 63.148(b)(1)(ii) 40 CFR 63.148(b)(2)(iii) [40 CFR 63.148(a)] [40 CFR 63.120(d)(6)] [40 CFR 63.646(a)] [40 CFR 63.642(k)] [40 CFR 63.642(i)] {40 CFR 63.4(a)(1)} ----- {PSCAA Reg. III: 2.02} {WAC 173-400-075} <i>Not federally enforceable</i>	4/26/99 4/26/99 4/26/99 1/17/97 10/28/09 10/28/09 10/28/09 4/5/02 ----- 9/26/02 6/8/07	Shall conduct <b>annual</b> inspections of the portions of the closed-vent system that are hard-piped for visible, audible or olfactory indications of leaks.

Req. No.	Applies to	Applicable Requirement	Adoption or Effective Date	Requirement Paraphrase (Information Only)
<b>II.F.200</b>	Closed-vent system (see note 4 above) (excludes hard piping)	40 CFR 63.148(b)(2)(ii) [40 CFR 63.148(a)] [40 CFR 63.120(d)(6)] [40 CFR 63.646(a)] [40 CFR 63.642(k)] [40 CFR 63.642(i)] {40 CFR 63.4(a)(1)} ----- {PSCAA Reg. III: 2.02} {WAC 173-400-075} <i>Not federally enforceable</i>	4/26/99 4/26/99 1/17/97 10/28/09 10/28/09 10/28/09 4/5/02 ----- 9/26/02 6/8/07	Shall monitor annually those portions of the closed-vent system that are not hard-piped (e.g., gasoline tank truck loading rack vapor hoses) in accordance with EPA Method 21 (see 40 CFR Part 60, App. A, 7/1/10) and 40 CFR 63.148(c) (4/26/99).
<b>II.F.201</b>	Closed-vent system (see note 4 above) (excludes hard piping)	40 CFR 63.148(b)(2)(iii) [40 CFR 63.148(a)] [40 CFR 63.120(d)(6)] [40 CFR 63.646(a)] [40 CFR 63.642(k)] [40 CFR 63.642(i)] {40 CFR 63.4(a)(1)} ----- {PSCAA Reg. III: 2.02} {WAC 173-400-075} <i>Not federally enforceable</i>	4/26/99 4/26/99 1/17/97 10/28/09 10/28/09 10/28/09 4/5/02 ----- 9/26/02 6/8/07	Shall conduct annual inspections of the portions of the closed-vent system that are not hard-piped (e.g., gasoline tank truck loading rack vapor hoses) for visible, audible or olfactory indications of leaks.

Req. No.	Applies to	Applicable Requirement	Adoption or Effective Date	Requirement Paraphrase (Information Only)
<b>II.F.202</b>	Closed-vent system (see note 4 above) (excludes hard piping)	40 CFR 63.148(b)(3)(ii) [40 CFR 63.148(a)] [40 CFR 63.120(d)(6)] [40 CFR 63.646(a)] [40 CFR 63.642(k)] [40 CFR 63.642(i)] {40 CFR 63.4(a)(1)} ----- {PSCAA Reg. III: 2.02} {WAC 173-400-075} <i>Not federally enforceable</i>	4/26/99 4/26/99 1/17/97 10/28/09 10/28/09 10/28/09 4/5/02 ----- 9/26/02 6/8/07	Shall conduct semiannual inspections of the fixed roofs of the tanks for visible, audible or olfactory indications of leaks.
<b>II.F.203</b>	Closed-vent system (see note 4 above)	40 CFR 63.148(d) [40 CFR 63.148(a)] [40 CFR 63.120(d)(6)] [40 CFR 63.646(a)] [40 CFR 63.642(k)] [40 CFR 63.642(i)] {40 CFR 63.4(a)(1)} ----- {PSCAA Reg. III: 2.02} {WAC 173-400-075} <i>Not federally enforceable</i>	4/26/99 4/26/99 1/17/97 10/28/09 10/28/09 10/28/09 4/5/02 ----- 9/26/02 6/8/07	Shall repair leaks, as indicated by an instrument reading >500 ppm above background or by visual inspections, as soon as practicable, except as provided in §63.148(e) (see II.F.204). Shall make a first attempt at repair ≤5 days after the leak is detected. Shall complete repairs ≤15 days after the leak is detected, except for leaks found in vapor collection systems used for transfer operations, which shall be completed ≤15 days after the leak is detected or at the beginning of the next transfer loading operation, whichever is later.

Req. No.	Applies to	Applicable Requirement	Adoption or Effective Date	Requirement Paraphrase (Information Only)
<b>II.F.204</b>	Closed-vent system (see note 4 above)	40 CFR 63.148(e) [40 CFR 63.148(a)] [40 CFR 63.120(d)(6)] [40 CFR 63.646(a)] [40 CFR 63.642(k)] [40 CFR 63.642(i)] {40 CFR 63.4(a)(1)} ----- {PSCAA Reg. III: 2.02} {WAC 173-400-075} <i>Not federally enforceable</i>	4/26/99 4/26/99 1/17/97 10/28/09 10/28/09 10/28/09 4/5/02 ----- 9/26/02 6/8/07	Delay of repair of a closed-vent system for which leaks have been detected is allowed if the repair is technically infeasible without a turnaround or if US Oil determines that emissions resulting from immediate repair would be greater than the fugitive emissions likely to result from delay of repair and repair is completed by the end of the next turnaround.
<b>II.F.205</b>	Closed-vent system (see note 4 above)	40 CFR 63.148(g) [40 CFR 63.148(a)] [40 CFR 63.120(d)(6)] [40 CFR 63.646(a)] [40 CFR 63.642(k)] [40 CFR 63.642(i)] {40 CFR 63.4(a)(1)} {40 CFR 63.4(a)(2)} ----- {PSCAA Reg. III: 2.02} {WAC 173-400-075} <i>Not federally enforceable</i>	4/26/99 4/26/99 1/17/97 10/28/09 10/28/09 10/28/09 4/5/02 4/5/02 ----- 9/26/02 6/8/07	Any parts of the closed-vent system that are designated, as described in §63.148(i)(1) (see II.F.210), as unsafe to inspect are exempt from the inspection requirements if: US Oil determines that the equipment is unsafe to inspect because inspecting personnel would be exposed to an imminent or potential danger; and US Oil has a written plan that requires inspection of the equipment as frequently as practicable during safe-to-inspect times.

Req. No.	Applies to	Applicable Requirement	Adoption or Effective Date	Requirement Paraphrase (Information Only)
<b>II.F.206</b>	Closed-vent system (see note 4 above)	40 CFR 63.148(h) [40 CFR 63.148(a)] [40 CFR 63.120(d)(6)] [40 CFR 63.646(a)] [40 CFR 63.642(k)] [40 CFR 63.642(i)] {40 CFR 63.4(a)(1)} {40 CFR 63.4(a)(2)} ----- {PSCAA Reg. III: 2.02} {WAC 173-400-075} <i>Not federally enforceable</i>	4/26/99 4/26/99 1/17/97 10/28/09 10/28/09 10/28/09 4/5/02 4/5/02 ----- 9/26/02 6/8/07	Any parts of the closed-vent system that are designated, as described in §63.148(i)(2) (see II.F.207), as difficult to inspect are exempt from the inspection requirements if: US Oil determines that the equipment cannot be inspected without elevating the inspecting personnel >6.5 ft above a support surface, and US Oil has a written plan that requires inspection of the equipment at least once every 5 yr.
<b>II.F.207</b>	Closed-vent system (see note 4 above)	40 CFR 63.148(i)(2) [40 CFR 63.148(a)] [40 CFR 63.120(d)(6)] [40 CFR 63.646(a)] [40 CFR 63.642(k)] [40 CFR 63.642(i)] {40 CFR 63.4(a)(1)} {40 CFR 63.4(a)(2)} ----- {PSCAA Reg. III: 2.02} {WAC 173-400-075} <i>Not federally enforceable</i>	4/26/99 4/26/99 1/17/97 10/28/09 10/28/09 10/28/09 4/5/02 4/5/02 ----- 9/26/02 6/8/07	Shall record the identification of all parts of the closed-vent system that are designated as difficult to inspect, an explanation of why the equipment is difficult to inspect, and the plan for inspecting the equipment.

Req. No.	Applies to	Applicable Requirement	Adoption or Effective Date	Requirement Paraphrase (Information Only)
<b>II.F.208</b>	Closed-vent system (see note 4 above)	40 CFR 63.148(i)(4) [40 CFR 63.148(a)] [40 CFR 63.120(d)(6)] [40 CFR 63.646(a)] [40 CFR 63.642(k)] [40 CFR 63.642(i)] {40 CFR 63.4(a)(1)} {40 CFR 63.4(a)(2)} ----- {PSCAA Reg. III: 2.02} {WAC 173-400-075} <i>Not federally enforceable</i>	4/26/99 4/26/99 1/17/97 10/28/09 10/28/09 10/28/09 4/5/02 4/5/02 ----- 9/26/02 6/8/07	Shall record, for each inspection during which a leak is detected: - The instrument identification numbers, operator name or initials, and identification of the equipment; - The date the leak was detected and the date of the first attempt to repair the leak; - The maximum instrument reading after the leak is successfully repaired or determined to be unrepairable; - “Repair delayed” and the reason for the delay if a leak is not repaired within 15 days after discovery of the leak; - The name, initials, or other form of identification of the person whose decision it was that repair could not be effected without a turnaround; - The expected date of successful repair of the leak if not repaired within 15 days; - Dates of turnarounds that occur while the equipment is unrepared; and - The date of successful repair of the leak.
<b>II.F.209</b>	Closed-vent system (see note 4 above)	<i>Established pursuant to:</i> WAC 173-401-615(1)(b) WAC 173-401-615(2)(a) PSCAA Reg. I: 7.09(b) ----- PSCAA Reg. I: 7.09(b) <i>Not federally enforceable</i>	10/17/02 10/17/02 9/10/98 ----- 9/25/08	US Oil shall also record (in addition to the data specified in II.F.208): - The time of the inspection or monitoring; - The ID number of the tank or truck being filled; - The date and results of any corrective actions taken; and - Who conducted the corrective actions.

Req. No.	Applies to	Applicable Requirement	Adoption or Effective Date	Requirement Paraphrase (Information Only)
<b>II.F.210</b>	Closed-vent system (see note 4 above)	40 CFR 63.148(i)(1) [40 CFR 63.148(a)] [40 CFR 63.120(d)(6)] [40 CFR 63.646(a)] [40 CFR 63.642(k)] [40 CFR 63.642(i)] {40 CFR 63.4(a)(1)} {40 CFR 63.4(a)(2)} ----- {PSCAA Reg. III: 2.02} {WAC 173-400-075} <i>Not federally enforceable</i>	4/26/99 4/26/99 1/17/97 10/28/09 10/28/09 10/28/09 4/5/02 4/5/02 ----- 9/26/02 6/8/07	Shall record the identification of all parts of the closed-vent system that are designated as unsafe to inspect, an explanation of why the equipment is unsafe to inspect, and the plan for inspecting the equipment.
<b>II.F.211</b>	Closed-vent system (see note 4 above)	40 CFR 63.148(i)(5) [40 CFR 63.148(a)] [40 CFR 63.120(d)(6)] [40 CFR 63.646(a)] [40 CFR 63.642(k)] [40 CFR 63.642(i)] {40 CFR 63.4(a)(1)} {40 CFR 63.4(a)(2)} ----- {PSCAA Reg. III: 2.02} {WAC 173-400-075} <i>Not federally enforceable</i>	4/26/99 4/26/99 1/17/97 10/28/09 10/28/09 10/28/09 4/5/02 4/5/02 ----- 9/26/02 6/8/07	Shall record, for each Method 21 inspection during which no leaks are detected: a record that the inspection was performed, the date of the inspection, and a statement that no leaks were detected.



Req. No.	Applies to	Applicable Requirement	Adoption or Effective Date	Requirement Paraphrase (Information Only)
<b>II.F.212</b>	Closed-vent system (see note 4 above)	<i>Established pursuant to:</i> WAC 173-401-615(1)(b) WAC 173-401-615(2)(a) PSCAA Reg. I: 7.09(b) ----- PSCAA Reg. I: 7.09(b) <i>Not federally enforceable</i>	10/17/02 10/17/02 9/10/98 ----- 9/25/08	US Oil shall also record (in addition to the data specified in II.F.211): - The time of the inspection or monitoring; - The ID number of the tank or truck being filled; and - Who conducted the inspection.
<b>II.F.213</b>	Closed-vent system (see note 4 above)	40 CFR 63.148(i)(6) [40 CFR 63.148(a)] [40 CFR 63.120(d)(6)] [40 CFR 63.646(a)] [40 CFR 63.642(k)] [40 CFR 63.642(i)] {40 CFR 63.4(a)(1)} {40 CFR 63.4(a)(2)} ----- {PSCAA Reg. III: 2.02} {WAC 173-400-075} <i>Not federally enforceable</i>	4/26/99 4/26/99 1/17/97 10/28/09 10/28/09 10/28/09 4/5/02 4/5/02 ----- 9/26/02 6/8/07	Shall record, for each annual visual inspection during which no leaks are detected: the date of the inspection and a statement that no leaks were detected.
<b>II.F.214</b>	Closed-vent system (see note 4 above)	<i>Established pursuant to:</i> WAC 173-401-615(1)(b) WAC 173-401-615(2)(a) PSCAA Reg. I: 7.09(b) ----- PSCAA Reg. I: 7.09(b) <i>Not federally enforceable</i>	10/17/02 10/17/02 9/10/98 ----- 9/25/08	US Oil shall also record (in addition to the data specified in II.F.213): - The time of the inspection; - The ID number of the tank or truck being filled; and - Who conducted the inspection.

Req. No.	Applies to	Applicable Requirement	Adoption or Effective Date	Requirement Paraphrase (Information Only)
Fixed Roof Tanks - Recordkeeping				
<b>II.F.215</b>	Subpart Kb fixed roof tanks (see note 3 above) (included: TK-471, TK-472, TK-1805, TK-1806, TK-1807, TK-10002, TK-10003, TK-10004, TK-10006, TK-10008, TK-20002)	40 CFR 60.116b(b) ----- {PSCAA Reg. I: 6.11} {WAC 173-400-115} <i>Not federally enforceable</i>	10/15/03 ----- 9/26/02 6/8/07	Shall record the dimensions of the tank and an analysis showing the capacity of the tank.

Req. No.	Applies to	Applicable Requirement	Adoption or Effective Date	Requirement Paraphrase (Information Only)
<b>II.F.216</b>	Group 1 fixed roof tanks (see note 1 above) (included: TK-1804, TK-7501, TK-10001) Group 2 fixed roof tanks (see note 2 above)	40 CFR 63.123(a) [40 CFR 63.655(i)(1)] [40 CFR 63.646(a)] [40 CFR 63.119(a)(3)]* [40 CFR 63.642(k)] [40 CFR 63.642(i)] {40 CFR 63.4(a)(1)} {40 CFR 63.4(a)(2)} ----- {PSCAA Reg. III: 2.02} {WAC 173-400-075} <i>Not federally enforceable</i>  *Group 2 only	12/23/04 10/28/09 10/28/09 12/21/06 10/28/09 10/28/09 4/5/02 4/5/02 ----- 9/26/02 6/8/07	Shall record the dimensions and capacity of the tank.
<b>II.F.217</b>	Group 1 fixed roof tanks (see note 1 above) (included: TK-1804, TK-7501, TK-10001) Group 2 fixed roof tanks (see note 2 above)	40 CFR 63.646(b)(1) [40 CFR 63.642(k)] [40 CFR 63.642(i)] {40 CFR 63.4(a)(1)} {40 CFR 63.4(a)(2)} ----- {PSCAA Reg. III: 2.02} {WAC 173-400-075} <i>Not federally enforceable</i>	10/28/09 10/28/09 10/28/09 4/5/02 4/5/02 ----- 9/26/02 6/8/07	Shall document the data, assumptions, and procedures used to determine the total organic HAP (% by wt.) of the stored liquid for purposes of group determination. May use good engineering judgment or test results.

Req. No.	Applies to	Applicable Requirement	Adoption or Effective Date	Requirement Paraphrase (Information Only)
<b>II.F.218</b>	Group 1 fixed roof tanks (see note 1 above) (included: TK-1804, , TK-7501, TK-10001) Group 2 fixed roof tanks (see note 2 above)	<i>Established pursuant to:</i> WAC 173-401-615(1)(b) WAC 173-401-615(2)(a) PSCAA Reg. I: 7.09(b) ----- PSCAA Reg. I: 7.09(b) <i>Not federally enforceable</i>	10/17/02 10/17/02 9/10/98 ----- 9/25/08	For tests (as specified II.F.217, US Oil shall also record: - The date the analysis was performed; - Who performed the analyses; - The analytical techniques or methods used; and - The tank contents.

Req. No.	Applies to	Applicable Requirement	Adoption or Effective Date	Requirement Paraphrase (Information Only)
<b>II.F.219</b>	Subpart Kb fixed roof tanks ≥950 bbl storing VOC ≥0.51 psia or ≥472 bbl storing VOC ≥2.18 psia (see note 3 above) (included: TK-1805, TK-1806, TK-1807, TK-10002, TK-10003, TK-10004, TK-10006, TK-10008, TK-20002, H-1501)	40 CFR 60.7(b) ----- {PSCAA Reg. I: 6.11} {WAC 173-400-115} <i>Not federally enforceable</i>	2/12/99 ----- 9/26/02 6/8/07	Shall record the occurrence and duration of any startup, shutdown, or malfunction in the operation of the closed-vent system, any malfunction of the vapor combustor; and any periods during which the temperature monitor is inoperative.

Req. No.	Applies to	Applicable Requirement	Adoption or Effective Date	Requirement Paraphrase (Information Only)
<b>II.F.220</b>	Subpart Kb fixed roof tanks ≥950 bbl storing VOC ≥0.51 psia or ≥472 bbl storing VOC ≥2.18 psia (see note 3 above) (included: TK-1805, TK-1806, TK-1807, TK-10002, TK-10003, TK-10004, TK-10006, TK-10008, TK-20002, H-1501)	40 CFR 60.7(f) ----- {PSCAA Reg. I: 6.11} {WAC 173-400-115} <i>Not federally enforceable</i>	2/12/99 ----- 9/26/02 6/8/07	Shall record in a permanent form suitable for inspection: performance testing measurements; closed-vent system measurements and inspections, and all other information required by 40 CFR Part 60.

Req. No.	Applies to	Applicable Requirement	Adoption or Effective Date	Requirement Paraphrase (Information Only)
Gasoline Tank Truck Loading Terminal				
<b>II.F.221</b>	Gasoline tank truck loading rack	<p><i>Established pursuant to:</i>  WAC 173-401-615(1)(b)  WAC 173-401-615(2)(a)  PSCAA Reg. I: 7.09(b)  -----  PSCAA Reg. I: 7.09(b)  <i>Not federally enforceable</i></p>	<p>10/17/02  10/17/02  9/10/98  -----  9/25/08</p>	<p>US Oil shall conduct <b>quarterly</b> visual inspections of the gasoline dry-break connectors for liquid leaks.  US Oil shall repair deficiencies within 15 days.  US Oil shall record:  - The date and time of the inspection;  - Who conducted the inspection;  - The results of the inspection;  - The date and results of any corrective actions taken; and  - Who conducted the corrective actions.</p>
<b>II.F.222</b>	Gasoline tank truck loading rack	<p>40 CFR 60.502(e)(1)  [40 CFR 63.422(a)]  [40 CFR 63.650(a)]  [40 CFR 63.642(k)]  [40 CFR 63.642(i)]  {40 CFR 63.4(a)(1)}  {40 CFR 63.4(a)(2)}  -----  {PSCAA Reg. III: 2.02}  {WAC 173-400-075}  <i>Not federally enforceable</i></p>	<p>2/12/99  12/19/03  10/28/09  10/28/09  10/28/09  4/5/02  4/5/02  -----  9/26/02  6/8/07</p>	<p>Shall obtain the vapor tightness documentation described in §63.428(b)(3) (see II.F.227) for each gasoline cargo tank loaded.</p>

Req. No.	Applies to	Applicable Requirement	Adoption or Effective Date	Requirement Paraphrase (Information Only)
<b>II.F.223</b>	Gasoline tank truck loading rack	40 CFR 60.502(e)(2) [40 CFR 63.422(a)] [40 CFR 63.650(a)] [40 CFR 63.642(k)] [40 CFR 63.642(i)] {40 CFR 63.4(a)(1)} {40 CFR 63.4(a)(2)} ----- {PSCAA Reg. III: 2.02} {WAC 173-400-075} <i>Not federally enforceable</i>	2/12/99 12/19/03 10/28/09 10/28/09 10/28/09 4/5/02 4/5/02 ----- 9/26/02 6/8/07	Shall record the tank identification number <b>as each gasoline cargo tank is loaded.</b>
<b>II.F.224</b>	Gasoline tank truck loading rack	40 CFR 60.502(e)(3) [40 CFR 63.422(a)] [40 CFR 63.650(a)] [40 CFR 63.642(k)] [40 CFR 63.642(i)] {40 CFR 63.4(a)(1)} ----- {PSCAA Reg. III: 2.02} {WAC 173-400-075} <i>Not federally enforceable</i>	2/12/99 12/19/03 10/28/09 10/28/09 10/28/09 4/5/02 ----- 9/26/02 6/8/07	Shall cross-check each tank identification number obtained in §60.502(e)(2) with the file of tank vapor tightness documentation <b>within 2 weeks after the corresponding tank is loaded</b> , except: - If <1 cargo tank per month over the last 26 weeks is loaded without the documentation then the cross-check may be performed quarterly; or - If <1 cargo tank per month over the last 52 weeks is loaded without the documentation then the cross-check may be performed semiannually.



Req. No.	Applies to	Applicable Requirement	Adoption or Effective Date	Requirement Paraphrase (Information Only)
<b>II.F.225</b>	Gasoline tank truck loading rack	40 CFR 60.502(e)(4) [40 CFR 63.422(a)] [40 CFR 63.650(a)] [40 CFR 63.642(k)] [40 CFR 63.642(i)] {40 CFR 63.4(a)(1)} {40 CFR 63.4(a)(2)} ----- {PSCAA Reg. III: 2.02} {WAC 173-400-075} <i>Not federally enforceable</i>	2/12/99 12/19/03 10/28/09 0/28/09 10/28/09 4/5/02 4/5/02 ----- 9/26/02 6/8/07	Shall notify the owner or operator of each nonvapor-tight gasoline cargo tank loaded <b>within 1 week of the documentation cross-check in §60.502(e)(3).</b>
<b>II.F.226</b>	Gasoline tank truck loading rack	40 CFR 60.502(e)(5) 40 CFR 63.422(c) [40 CFR 63.422(a)] [40 CFR 63.650(a)] [40 CFR 63.642(k)] [40 CFR 63.642(i)] {40 CFR 63.4(a)(1)} {40 CFR 63.4(a)(2)} ----- {PSCAA Reg. III: 2.02} {WAC 173-400-075} <i>Not federally enforceable</i>	2/12/99 12/19/03 12/19/03 10/28/09 10/28/09 10/28/09 4/5/02 4/5/02 ----- 9/26/02 6/8/07	Shall take steps assuring that the nonvapor-tight gasoline cargo tank will not be reloaded at the facility until vapor tightness documentation for that gasoline cargo tank is obtained which documents that it meets the test requirements in §63.425(e). For each cargo tank failing the field leak detection tests in §63.425(f) or (g), the cargo tank either passes the tests in §63.425(g) or (h) before performing repair work or passes the annual certification test in §63.425(e).

Req. No.	Applies to	Applicable Requirement	Adoption or Effective Date	Requirement Paraphrase (Information Only)
<b>II.F.227</b>	Gasoline tank truck loading rack	40 CFR 63.428(b), 40 CFR 63.428(k) [40 CFR 63.655(b)] [40 CFR 63.650(a)] [40 CFR 63.642(k)] [40 CFR 63.642(i)] {40 CFR 63.4(a)(1)} {40 CFR 63.4(a)(2)} ----- {PSCAA Reg. III: 2.02} {WAC 173-400-075} <i>Not federally enforceable</i>	4/6/06 4/6/06 10/28/09 10/28/09 10/28/09 10/28/09 4/5/02 4/5/02 ----- 9/26/02 6/8/07	For each gasoline cargo tank loaded, shall keep up-to-date records of the annual certification test results under §63.425(e), or copies thereof (provided that the copies are exact duplicate images of the original paper records with certifying signatures). The records shall include: - Name of test: Annual Certification Test – Method 27, Annual Certification Test – Internal Vapor Valve; - Cargo tank owner’s name and address; - Cargo tank identification number; - Test location and date; - Tester name and signature; - Vapor tightness repair: Nature of repair work and when performed in relation to vapor tightness testing; and the - Test results: Pressure or vacuum change, time period of test, number of leaks found with instrument and leak definition.
<b>II.F.228</b>	Gasoline tank truck loading rack	WAC 173-491-040(6)(d)(ii) <i>Not federally enforceable</i>	1/23/98	Shall maintain records of certification tests that include: - The transport tank ID number; - The initial test pressure and time of the reading; - The final test pressure and time of the reading; - The initial test vacuum and time of the reading; - The final test vacuum and time of the reading; - At the top of each report page the company name, date and location of the test; and The name and title of the person conducting the test.

Req. No.	Applies to	Applicable Requirement	Adoption or Effective Date	Requirement Paraphrase (Information Only)
<b>Marine Loading Terminal</b>				
<b>II.F.229</b>	Marine loading rack	40 CFR 63.565(l) [40 CFR 63.651(a)] [40 CFR 63.642(k)] [40 CFR 63.642(i)] {40 CFR 63.4(a)(1)} ----- {PSCAA Reg. III: 2.02} {WAC 173-400-075} <i>Not federally enforceable</i>	9/19/95 6/12/96 10/28/09 10/28/09 4/5/02 ----- 9/26/02 6/8/07	Shall calculate an annual estimate of HAP emissions (excluding commodities with vapor pressures <1.5 psia at standard conditions and ballasting operations) from marine tank loading operations. Emission estimates and emission factors shall be based on test data or estimating techniques generally accepted in industry practice.
<b>II.F.230</b>	Marine loading rack	40 CFR 63.567(j)(4) [40 CFR 63.651(a)] [40 CFR 63.642(k)] [40 CFR 63.642(i)] {40 CFR 63.4(a)(1)} {40 CFR 63.4(a)(2)} ----- {PSCAA Reg. III: 2.02} {WAC 173-400-075} <i>Not federally enforceable</i>	6/23/03 6/12/96 10/28/09 10/28/09 4/5/02 4/5/02 ----- 9/26/02 6/8/07	Shall record the emissions estimates determined in §63.565(l) (see II.F.229) and the actual throughputs by commodity.

Req. No.	Applies to	Applicable Requirement	Adoption or Effective Date	Requirement Paraphrase (Information Only)
<b>Facility-Wide Site Remediation Activities (HAP)</b>				
<p>(Note: Requirement II.F.231 from NESHAP Subpart GGGGG applies to activities or processes used to remove, destroy, degrade, transform, immobilize, or otherwise manage a material that contains one or more of the HAP listed in Table 1 of this subpart, and the material is one of the following:</p> <p>(1) A material found in naturally occurring media such as soil, groundwater, surface water, sediments, or a mixture of such materials with liquids, sludges, or solids which is inseparable by simple mechanical removal processes and is made up primarily of media. This material does not include debris as defined in 40 CFR 268.2.</p> <p>(2) A material found in intact or substantially intact containers, tanks, storage piles, or other storage units that requires clean up because this material poses a reasonable potential threat to contaminating media. Examples of these materials include, but are not limited to, solvents, oils, paints, and other volatile or semi-volatile organic liquids found in buried drums, cans, or other containers; gasoline, fuel oil, or other fuels in leaking underground storage tanks; and solid materials containing volatile or semi-volatile organics in unused or abandoned piles. Remediation material is not a waste or residue generated by routine equipment maintenance activities performed at a facility such as, but not limited to, tank bottoms and sludges removed during tank cleanouts; sludges and sediments removed from active wastewater treatment tanks, surface impoundments, or lagoons; spent catalyst removed from process equipment; residues removed from air pollution control equipment; and debris removed during heat exchanger and pipeline cleanouts.</p> <p>The monitoring or measuring of contamination levels in environmental media using wells or by sampling is not considered to be a site remediation. At the time of permit renewal (7/22/10), US Oil determined that on an annual basis the total quantity of the HAP in the remediation material excavated, extracted, pumped, or otherwise removed during all of their site remediations is &lt;1 Mg/yr.)</p>				
<b>II.F.231</b>	Site Remediation Activities (see note above)	40 CFR 63.7881(c)(2) {40 CFR 63.4(a)(1)} {40 CFR 63.4(a)(2)} ----- {PSCAA Reg. III: 2.02} {WAC 173-400-075} <i>Not federally enforceable</i>	11/29/06 4/5/02 4/5/02 ----- 9/26/02 6/8/07	Shall prepare and maintain at the facility written documentation to support the determination that the total HAP quantity in remediation materials is less than 1 Mg/yr. The documentation must include a description of methodology and data used for determining the total HAP content of the remediation material.

Req. No.	Applies to	Applicable Requirement	Adoption or Effective Date	Requirement Paraphrase (Information Only)
<b>Stationary Internal Combustion Engines (NMHC)</b>				
<p>(Note 1: Requirements II.F.233 - II.F.235 apply to all emergency stationary compression ignition internal combustion engines with a displacement &lt;30 liters per cylinder and a maximum engine power ≥50 hp ordered after July 11, 2005 and either manufactured after 7/1/06 as a certified National Fire Protection Association fire pump engine or manufactured after 4/1/06 that are not fire pump engines. At the time of permit renewal (7/22/10), this included GE-2, J-222, J-601A, and J-601B.</p> <p>Note 2: Requirement II.F.232 applies more specifically to 2007 model year and later stationary CI internal combustion engines that must comply with the emission standards specified in §60.4204(b) or §60.4205(b), and to CI fire pump engines manufactured during or after the model year that applies to the fire pump engine power rating in table 3 of Subpart IIII that must comply with the emission standards specified in §60.4205(c). At the time of permit renewal (7/22/10), this included GE-2 and J-222.)</p>				
<b>II.F.232</b>	Subpart IIII emergency engines (see note above) (included GE-2, J-222)	40 CFR 60.4211(c) [40 CFR 63.6590(c)] ----- {PSCAA Reg. I: 6.11} {WAC 173-400-115} {PSCAA Reg. III: 2.02} {WAC 173-400-075} <i>Not federally enforceable</i>	7/11/06 1/18/08 ----- 9/26/02 6/8/07 9/26/02 6/8/07	Shall only purchase engines certified to meet the emission standards in §60.4205(b) and (c) (see I.F.121 and I.F.122). Shall install and configure the engines according to the manufacturer's specifications.
<b>II.F.233</b>	Subpart IIII emergency engines (see note above) (included GE-2, J-222, J-601A, J-601B)	40 CFR 60.4206 40 CFR 60.4211(a) [40 CFR 63.6590(c)] ----- {PSCAA Reg. I: 6.11} {WAC 173-400-115} {PSCAA Reg. III: 2.02} {WAC 173-400-075} <i>Not federally enforceable</i>	7/11/06 7/11/06 1/18/08 ----- 9/26/02 6/8/07 9/26/02 6/8/07	Shall operate and maintain the engines according to the manufacturer's written instructions or procedures developed by the owner or operator that are approved by the engine manufacturer, over the entire life of the engine.

Req. No.	Applies to	Applicable Requirement	Adoption or Effective Date	Requirement Paraphrase (Information Only)
<b>II.F.234</b>	Subpart IIII emergency engines (see note above) (included GE-2, J-222, J-601A, J-601B)	40 CFR 60.4209(a) [40 CFR 63.6590(c)] ----- {PSCAA Reg. I: 6.11} {WAC 173-400-115} {PSCAA Reg. III: 2.02} {WAC 173-400-075} <i>Not federally enforceable</i>	7/11/06 1/18/08 ----- 9/26/02 6/8/07 9/26/02 6/8/07	Shall install a non-resettable hour meter prior to startup of the engine.
<b>II.F.235</b>	Subpart IIII emergency engines (see note above) (included GE-2, J-222, J-601A, J-601B)	40 CFR 60.4211(e) [40 CFR 63.6590(c)] ----- {PSCAA Reg. I: 6.11} {WAC 173-400-115} {PSCAA Reg. III: 2.02} {WAC 173-400-075} <i>Not federally enforceable</i>	7/11/06 1/18/08 ----- 9/26/02 6/8/07 9/26/02 6/8/07	Shall operate only for the purpose of maintenance checks and readiness testing, provided that the tests are recommended by federal, state, or local government, the manufacturer, the vendor, or the insurance company associated with the engine. Maintenance checks and readiness testing of such units is limited to 100 hr/yr. There is no time limit on the use of emergency stationary ICE in emergency situations. US Oil may petition the Administrator for approval of additional hours to be used for maintenance checks and readiness testing, but a petition is not required if the owner or operator maintains records indicating that federal, state, or local standards require maintenance and testing of emergency ICE beyond 100 hr/yr.

Req. No.	Applies to	Applicable Requirement	Adoption or Effective Date	Requirement Paraphrase (Information Only)
<b>Stationary Internal Combustion Engines (HAP)</b>				
(Note: Requirements II.F.236 - II.F.239 from 40 CFR Part 63, Subpart ZZZZ, apply to stationary RICE with a site rating $\leq 500$ bhp for which construction or reconstruction commenced before 6/12/06. At the time of permit renewal (7/22/10), this included J-250. <i>The compliance date is 5/3/13.</i> )				
<b>II.F.236</b>	Subpart ZZZZ emergency stationary CI RICE not subject to numerical emission limits (see note above) (included J-250)	40 CFR 63.6640(a) { 40 CFR 63.4(a)(1) } { 40 CFR 63.4(a)(2) } ----- { PSCAA Reg. I: 6.11 } { WAC 173-400-115 } { PSCAA Reg. III: 2.02 } { WAC 173-400-075 } <i>Not federally enforceable</i>	3/3/10 4/5/02 4/5/02 ----- 9/26/02 6/8/07 9/26/02 6/8/07	Shall operate and maintain according to the manufacturer's emission-related O&M instructions or develop and follow a maintenance plan which must provide to the extent practicable for the O&M of the engine in a manner consistent with good air pollution control practice for minimizing emissions.
<b>II.F.237</b>	Subpart ZZZZ emergency stationary CI RICE $\leq 500$ hp (see note above) (included J-250)	40 CFR 63.6625(f) { 40 CFR 63.4(a)(1) } { 40 CFR 63.4(a)(2) } ----- { PSCAA Reg. I: 6.11 } { WAC 173-400-115 } { PSCAA Reg. III: 2.02 } { WAC 173-400-075 } <i>Not federally enforceable</i>	3/3/10 4/5/02 4/5/02 ----- 9/26/02 6/8/07 9/26/02 6/8/07	Shall install a non-resettable hour meter if one is not already installed.

Req. No.	Applies to	Applicable Requirement	Adoption or Effective Date	Requirement Paraphrase (Information Only)
<b>II.F.238</b>	Subpart ZZZZ emergency stationary CI RICE ≤500 bhp (see note above) (included J- 250)	40 CFR 63.6640(f) { 40 CFR 63.4(a)(1) } { 40 CFR 63.4(a)(2) } ----- { PSCAA Reg. I: 6.11 } { WAC 173-400-115 } { PSCAA Reg. III: 2.02 } { WAC 173-400-075 } Not federally enforceable	3/3/10 4/5/02 4/5/02 ----- 9/26/02 6/8/07 9/26/02 6/8/07	(1) Any operation other than emergency operation, maintenance and testing, and operation in non-emergency situations for 50 hr/yr, as permitted in this section, is prohibited. (2) There is no time limit on the use of emergency stationary RICE in emergency situations. (3) May operate for the purpose of maintenance checks and readiness testing, provided that the tests are recommended by Federal, State or local government, the manufacturer, the vendor, or the insurance company associated with the engine. Maintenance checks and readiness testing of such units is limited to 100 hr/yr. (4) May operate up to 50 hr/yr in non-emergency situations, but those 50 hours are counted towards the 100 hr/yr provided for maintenance and testing.
<b>II.F.239</b>	Subpart ZZZZ emergency stationary CI RICE (see note above) (included J- 250)	40 CFR 63.6655 { 40 CFR 63.4(a)(1) } { 40 CFR 63.4(a)(2) } ----- { PSCAA Reg. I: 6.11 } { WAC 173-400-115 } { PSCAA Reg. III: 2.02 } { WAC 173-400-075 } Not federally enforceable	3/3/10 4/5/02 4/5/02 ----- 9/26/02 6/8/07 9/26/02 6/8/07	Shall keep the following records: - Records of the occurrence and duration of each malfunction of operation (i.e., process equipment); - Records of actions taken during periods of malfunction to minimize emissions in accordance with §63.6605(b) (see II.H.5), including corrective actions to restore malfunctioning process and air pollution control and monitoring equipment to its normal or usual manner of operation. - Records of the maintenance conducted on the stationary RICE in order to demonstrate that US Oil operated and maintained the stationary RICE according to your US Oil's maintenance plan - Records of the hours of operation of engines ≤500 bhp recorded by the non-resettable hour meter. US Oil shall document how many hours are spent for emergency operation, including what classified the operation as emergency and how many hours are spent for non-emergency operation.



## **II.G. OZONE-DEPLETING CHEMICALS**

Req. No.	Applies to	Applicable Requirement	Adoption or Effective Date	Requirement Paraphrase (Information Only)
<b>II.G.1</b>	Facility-wide	40 CFR 82.166(1)	8/8/95	Any certified technician employed by US Oil shall keep a copy of their certification at their place of employment.

## **II.H. GOOD WORKING ORDER, INDUSTRIAL PRACTICE and AIR POLLUTION CONTROL PRACTICE**

Determination of whether the facility is being maintained and operated in ‘good working order’ and in accordance with ‘good industrial practice’ and ‘good air pollution control practice’ will be based on available information including, but not limited to: monitoring results, opacity observations, review of the Operation & Maintenance and Startup, Shutdown, and Malfunction Plans and maintenance records, and inspections of the source. US Oil shall use the results of the inspections required by this permit in its annual review of the O&M Plan.

Req. No.	Applies to	Applicable Requirement	Adoption or Effective Date	Requirement Paraphrase (Information Only)
<b>II.H.1</b>	Equipment not listed in II.H.2	PSCAA Reg. I: 9.20(b)	6/9/88	Shall maintain in good working order.
<b>II.H.2</b>	Sources with an Order of Approval (included F-1, F-2, B-4, B-5, H-3, H-6, H-11, H-201, H-202, H-580, H-1501, H-801(a, b, c), H-804, H-901, H-1101, H-1102, H-1103, H-1104, TK-102, TK-471, TK-472, TK-1805, TK-1806, TK-	PSCAA Reg. I: 9.20(a) ----- RCW 70.94.152(7) c67 §1 and c29 §1 <i>Not federally enforceable</i>	6/9/88 ----- 1996	Shall maintain in good working order.

Req. No.	Applies to	Applicable Requirement	Adoption or Effective Date	Requirement Paraphrase (Information Only)
	1807, TK-2004, TK-2001, TK-2002, TK-5001, TK-5002, TK-5003 TK-6001, TK-6002, TK-7501, TK-8501, TK-8502, TK-8503, TK-10001, TK-10002, TK-10003, TK-10004, TK-10006, TK-10008, TK-10010, TK-14001, TK-14002, TK-15001, TK-15002, TK-20002, TK-24001, TK-28001, TK-30004, TK-30006, TK-35002, TK-45001, TK-80016, TK-80017, TK-80018, TK-80019, TK-80020, TK-80021, TK-80022, TK-300001, TK-300002, LCU, LCVU, CRU-2, DHU, SRU-1, SRU-2, Gasoline tank truck loading rack, PG asphalt rack & demister, Speed rack & demister, Flux/AC rack & demister, Emulsion rack, TK-5001/5002 & demister, TK-6001/6002 & demister, Asphalt railcar loading rack & demister			

Req. No.	Applies to	Applicable Requirement	Adoption or Effective Date	Requirement Paraphrase (Information Only)
	API oil-water separator roof, Individual drain systems for TK-5003, TK-80001/4, TK-10010, TK-80020, TK-80021, TK-80022, TK-300001, TK-300002, C-19, north heat exchanger cleaning pad)			
<b>II.H.3</b>	NSPS Subpart J fuel gas combustion devices (included: B-4, B-5, F-1, H-3, H-6, H-11, H-201, H-202, H-901, H-1101, H-1102, H-1103, H-1104, H-580, H-1501) NSPS Subpart QQQ process drains, junction boxes, oil-water separator and slop oil tanks (included: API oil-water separator, waterdraw systems for tanks: TK-5003, TK-10010, TK-80001, TK-80002, TK-80003, TK-80004, TK-80020, TK-80021, TK-80022, TK-300001, TK-300002) slop oil tanks TK-471, TK-472) NSPS Subpart UU asphalt tanks and demisters (included: TK-5001,	40 CFR 60.11(d) ----- {PSCAA Reg. I: 6.11} {WAC 173-400-115} <i>Not federally enforceable</i>	10/17/00 ----- 9/26/02 6/8/07	Shall, at all times, including periods of startup, shutdown and malfunction, to the extent practicable, maintain and operate in a manner consistent with good air pollution control practice for minimizing emissions.

Req. No.	Applies to	Applicable Requirement	Adoption or Effective Date	Requirement Paraphrase (Information Only)
	TK-5002, TK-6001, TK-6002) NSPS Subpart Kb tanks (included: TK-1805, TK-1806, TK-1807, TK-2004, TK-5003, TK-10002, TK-10003, TK-10004, TK-10006, TK-10008, TK-10010, TK-15001, TK-15002, TK-20002, TK-80020, TK-80021, TK-80022, TK-300001, TK-300002)			
<b>II.H.4</b>	Subpart FF waste streams having a flow-weighted annual avg. water content >10% by volume	40 CFR 61.12(c) ----- {PSCAA Reg. III: 2.02} {WAC 173-400-075} <i>Not federally enforceable</i>	2/24/97 ----- 9/26/02 6/8/07	Shall operate and maintain in a manner consistent with good air pollution control practices for minimizing emissions.
<b>II.H.5</b>	Group 1 storage tanks (included: TK-13001, TK-14001, TK-14002, TK-30006, TK-80001, TK-80003, TK-80004, TK-80005, TK-80006, TK-80007, TK-80011, TK-80012, TK-80013, TK-80014, TK-80015, TK-80017, TK-80018, TK-1804, TK-7501, TK-10001, & H-1501) gasoline tank truck loading	40 CFR 63.6(e)(1)(i) 40 CFR 63.6605(b) {40 CFR 63.4(a)(1)} ----- {PSCAA Reg. III: 2.02} {WAC 173-400-075} <i>Not federally enforceable</i>	4/20/06 3/3/10 4/5/02 ----- 9/26/02 6/8/07	Shall, at all times, including periods of startup, shutdown and malfunction, operate and maintain in a manner consistent with safety and good air pollution control practices for minimizing emissions to the levels required by the relevant standards at all times, including periods of startup, shutdown, and malfunction. <i>(Note: startup and shutdown defined under §63.641; malfunction under §63.2)</i>

Req. No.	Applies to	Applicable Requirement	Adoption or Effective Date	Requirement Paraphrase (Information Only)
	terminal Subpart CC pumps, valves, compressors, pressure relief devices, sampling connection systems, open-ended valves or lines (included F-1, F-2) new or reconstructed large gaseous fuel boilers and process heaters (included H-202) Subpart ZZZZ stationary CI RICE (included J-250)			

## II.I. O&M, OM&M, STARTUP, SHUTDOWN & MALFUNCTION, AND FLARE MANAGEMENT PLANS

The Operation & Maintenance Plan (O&M Plan) shall address the Monitoring and Recordkeeping provisions specified in Section II of this permit. The O&M Plan, Operation, Maintenance & Monitoring Plan (OM&M Plan), Startup, Shutdown & Malfunction Plan (SSMP), and the Flare Management Plan need not be distinct and separate documents and may incorporate or be components of US Oil's existing operating procedures, standing orders, OSHA plans, manufacturer's operating manuals, and other plans provided that they meet the requirements of this section and are made available for inspection upon request. The specific provisions of the O&M Plan, OM&M Plan and SSMP, other than those required by Section II of this permit, shall not be deemed part of this permit. None of the procedures specified by the OM&M Plan and SSMP shall be deemed to fall within the permit shield.

Req. No.	Applies to	Applicable Requirement	Adoption or Effective Date	Requirement Paraphrase (Information Only)
<b>II.I.1</b>	Sources, equipment, control equipment	PSCAA Reg. I: 7.09(b) ----- PSCAA Reg. I: 7.09(b) <i>Not federally enforceable</i>	9/10/98 ----- 9/25/08	Shall develop and implement an O&M Plan that assures continuous compliance with PSCAA Reg. I, II and III and that reflects good industrial practice. The O&M Plan shall include: - Periodic inspection of all equipment and control equipment; - Monitoring and recording of equipment and control equipment performance; - Prompt repair of defective equipment and control equipment, which shall be as soon as practicable but no later than 24 hours after being found defective, unless specified otherwise in Section II of this permit, or shutting down the equipment until repaired; - Procedures for startup, shutdown and normal operation; - The fugitive dust control measures to be used to comply with §9.15; and - A record of all actions required by the plan; Shall review the O&M Plan <b>annually</b> and update it to reflect any changes in good industrial practice.
<b>II.I.2</b>	Group 1 storage tanks (included: TK-13001, TK-14001, TK-14002, TK-30006, TK-80001, TK-80003, TK-80004, TK-80005,	40 CFR 63.6(e)(3)(i) [40 CFR 63.1570(d)] { 40 CFR 63.4(a)(1) } ----- { PSCAA Reg. III: 2.02 }	4/20/06 4/20/06 4/5/02 ----- 9/26/02	Shall develop and implement a written SSMP that describes, in detail, procedures for operating and maintaining the source during periods of startup, shutdown, and malfunction and a program of corrective action for malfunctioning process and air pollution control equipment and monitoring equipment used to

Req. No.	Applies to	Applicable Requirement	Adoption or Effective Date	Requirement Paraphrase (Information Only)
	TK-80006, TK-80007, TK-80011, TK-80012, TK-80013, TK-80014, TK-80015, TK-80017, TK-80018, TK-1804, TK-7501, TK-10001, H-1501) gasoline tank truck loading terminal Subpart CC pumps, valves, compressors, pressure relief devices, sampling connection systems, open-ended valves or lines (included F-1, F-2) Subpart UUU sulfur recovery units (included SRU-2, H-580) Subpart UUU catalytic reforming units (included CRU-1, CRU-2, F-1, F-2)	{WAC 173-400-075} <i>Not federally enforceable</i>	6/8/07	comply with the relevant standard. The SSMP does not need to address any scenario that would not cause the source to exceed an applicable emission limitation in the relevant standard.
<b>II.I.3</b>	Subpart UUU sulfur recovery units (included SRU-2, H-580) Subpart UUU catalytic reforming units (included CRU-1, CRU-2, F-1, F-2)	40 CFR 63.1570(g) {40 CFR 63.4(a)(1)} ----- {PSCAA Reg. III: 2.02} {WAC 173-400-075} <i>Not federally enforceable</i>	4/20/06 4/5/02 ----- 9/26/02 6/8/07	Consistent with §§63.6(e) and 63.7(e)(1), deviations that occur during a period of startup, shutdown, or malfunction are not violations if US Oil demonstrates to PSCAA's satisfaction that it was operating in accordance with §63.6(e)(1). The SSMP must also include elements designed to minimize the frequency of such periods (i.e., root cause analysis). PSCAA will determine whether deviations that occur during a period of startup, shutdown, or malfunction are violations, according to the provisions in §63.6(e).
<b>II.I.4</b>	Group 1 storage tanks (included: TK-13001, TK-14001, TK-14002, TK-30006, TK-80001, TK-80003,	40 CFR 63.6(e)(1)(ii) {40 CFR 63.4(a)(1)} ----- {PSCAA Reg. III: 2.02}	4/20/06 4/5/02 ----- 9/26/02	Shall correct malfunctions <b>as soon as practicable after their occurrence</b> in accordance with the startup, shutdown, and malfunction plan (SSMP). To the extent that an unexpected event arises during a startup, shutdown, or malfunction, shall

Req. No.	Applies to	Applicable Requirement	Adoption or Effective Date	Requirement Paraphrase (Information Only)
	TK-80004, TK-80005, TK-80006, TK-80007, TK-80011, TK-80012, TK-80013, TK-80014, TK-80015, TK-80017, TK-80018, TK-1804, TK-7501, TK-10001, H-1501) gasoline tank truck loading terminal Subpart CC pumps, valves, compressors, pressure relief devices, sampling connection systems, open-ended valves or lines (included F-1, F-2) Subpart UUU sulfur recovery units (included SRU-2, H-580) Subpart UUU catalytic reforming units (included CRU-1, CRU-2, F-1, F-2)	{WAC 173-400-075} <i>Not federally enforceable</i>	6/8/07	minimize emissions consistent with safety and 'good air pollution control practices'.
<b>II.I.5</b>	Group 1 storage tanks (included: TK-13001, TK-14001, TK-14002, TK-30006, TK-80001, TK-80003, TK-80004, TK-80005, TK-80006, TK-80007, TK-80011, TK-80012, TK-80013, TK-80014, TK-80015, TK-80017, TK-80018 TK-1804, , TK-7501, TK-10001, H-1501) gasoline tank truck loading terminal Subpart CC pumps, valves, compressors, pressure relief devices, sampling connection systems, open-ended valves or lines (included F-1,	40 CFR 63.6(e)(3)(iii) [40 CFR 1576(a)(2)] [40 CFR 63.1570(d)]{ 40 CFR 63.4(a)(1)} { 40 CFR 63.4(a)(2)} ----- - {PSCAA Reg. III: 2.02} {WAC 173-400-075} <i>Not federally enforceable</i>	4/20/06 2/9/05 4/20/06 4/5/02 4/5/02 ----- 9/26/02 6/8/07	Shall keep records that demonstrate that the procedures specified in the SSMP were followed if actions taken during a startup, shutdown, or malfunction (including actions taken to correct a malfunction) are consistent with the SSMP. In addition, shall keep records of these events as specified in §63.10(b) (see II.I.8), including records of the occurrence and duration of each startup, shutdown, or malfunction of operation and each malfunction of the air pollution control and monitoring equipment.



Req. No.	Applies to	Applicable Requirement	Adoption or Effective Date	Requirement Paraphrase (Information Only)
	F-2) Subpart UUU sulfur recovery units (included SRU-2, H-580) Subpart UUU catalytic reforming units (included CRU-1, CRU-2, F-1, F-2)			
<b>II.I.6</b>	Group 1 storage tanks (included: TK-13001, TK-14001, TK-14002, TK-30006, TK-80001, TK-80003, TK-80004, TK-80005, TK-80006, TK-80007, TK-80011, TK-80012, TK-80013, TK-80014, TK-80015, TK-80017, TK-80018, TK-1804, TK-7501, TK-10001, H-1501) gasoline tank truck loading terminal Subpart CC pumps, valves, compressors, pressure relief devices, sampling connection systems, open-ended valves or lines (included F-1, F-2) Subpart UUU sulfur recovery units (included SRU-2, H-580) Subpart UUU catalytic reforming units (included CRU-1, CRU-2, F-1, F-2)	40 CFR 63.6(e)(3)(iv) [40 CFR 63.1576(a)(2)] [40 CFR 63.1570(d)] {40 CFR 63.4(a)(1)} {40 CFR 63.4(a)(2)} ----- - {PSCAA Reg. III: 2.02} {WAC 173-400-075} <i>Not federally enforceable</i>	4/20/06 2/9/05 4/20/06 4/5/02 4/5/02 ----- 9/26/02 6/8/07	Shall record the actions taken during a startup, shutdown, or malfunction (including an action taken to correct a malfunction) if they are not consistent with the procedures specified in the SSMP and the source exceeds the relevant emission standard.

Req. No.	Applies to	Applicable Requirement	Adoption or Effective Date	Requirement Paraphrase (Information Only)
<b>II.I.7</b>	Group 1 storage tanks (included: TK-13001, TK-14001, TK-14002, TK-30006, TK-80001, TK-80003, TK-80004, TK-80005, TK-80006, TK-80007, TK-80011, TK-80012, TK-80013, TK-80014, TK-80015, TK-80017, TK-80018, TK-1804, , TK-7501, TK-10001, H-1501) gasoline tank truck loading terminal Subpart CC pumps, valves, compressors, pressure relief devices, sampling connection systems, open-ended valves or lines (included F-1, F-2) Subpart UUU sulfur recovery units (included SRU-2, H-580) Subpart UUU catalytic reforming units (included CRU-1, CRU-2, F-1, F-2)	40 CFR 63.6(e)(3)(viii) [40 CFR 63.1570(d)] {40 CFR 63.4(a)(1)} {40 CFR 63.4(a)(2)} ----- {PSCAA Reg. III: 2.02} {WAC 173-400-075} <i>Not federally enforceable</i>	4/20/06 4/20/06 4/5/02 4/5/02 ----- 9/26/02 6/8/07	Shall revise the SSMP <b>within 45 days after any event the SSMP fails to address or inadequately addresses</b> (which meets the characteristics of a malfunction) to include detailed procedures for operating and maintaining the source during similar malfunction events and a program of corrective action for similar malfunctions of process or air pollution control and monitoring equipment. In the event that a revision is made to the SSMP which alters the scope of the activities at the source which are deemed to be a startup, shutdown, malfunction, or otherwise modifies the applicability of any emission limit, work practice requirement, or other requirement in a standard established under 40 CFR Part 63, the revised plan shall not take effect until after US Oil has provided a written notice describing the revision to PSCAA.
<b>II.I.8</b>	Group 1 storage tanks (included: TK-13001,	40 CFR 63.10(b)(2) [40 CFR 63.1576(b)(1)]	4/20/06 2/9/05	Shall maintain relevant records of: - The occurrence and duration of each startup or shutdown when the startup

	TK-14001, TK-14002, TK-30006, TK-80001, TK-80003, TK-80004, TK-80005, TK-80006, TK-80007, TK-80011, TK-80012, TK-80013, TK-80014, TK-80015, TK-80017, TK-80018, TK-1804, TK-7501, TK-10001, H-1501) gasoline tank truck loading terminal Subpart CC pumps, valves, compressors, pressure relief devices, sampling connection systems, open-ended valves or lines (included F-1, F-2) Subpart UUU sulfur recovery units (included: SRU-2, H-580) Subpart UUU reformers (included CRU-1 CRU-2, F-1, F-2)	[40 CFR 63.1576(a)] {40 CFR 63.4(a)(1)} {40 CFR 63.4(a)(2)} ----- {PSCAA Reg. III: 2.02} {WAC 173-400-075} <i>Not federally enforceable</i>	2/9/05 4/5/02 4/5/02 ----- 9/26/02 6/8/07	or shutdown causes the source to exceed any applicable emission limitation in the relevant emission standards; - The occurrence and duration of each malfunction of operation (process equipment) of the required air pollution control equipment and monitoring equipment; - All required maintenance performed on the control equipment and monitoring equipment; - Actions taken during periods of startup or shutdown when the source exceeded applicable emission limitations and when such actions are different from the procedures specified in the SSMP; - Actions taken during periods of malfunction (including corrective actions) when such actions are different from the procedures specified in the SSMP; - All information necessary to demonstrate conformance with the SSMP when all actions taken during periods of startup or shutdown (and the startup or shutdown causes the source to exceed any applicable emission limitation), and malfunction (including corrective actions) are consistent with the procedures specified in the SSMP; - Each period during which a CMS is malfunctioning or inoperative (including out-of-control periods); - All required measurements needed to demonstrate compliance with a relevant standard (including, but not limited to, raw CMS data, raw performance testing measurements, and raw performance evaluation measurements, that support data that the source is required to report); - All results of performance tests, CEMS performance evaluations, and visible emission observations; - All measurements as may be necessary to determine the conditions of performance tests and performance evaluations; - All CMS calibration checks; - All adjustments and maintenance performed on CMS; and - All documentation supporting Initial Notifications and Notifications of Compliance Status under §63.9.
<b>II.I.9</b>	Subpart UUU sulfur recovery units (included: SRU-2, H-580) Subpart UUU reformers	40 CFR 63.1574(f) [40 CFR 63.1568(a)(3)] [40 CFR 63.1567(a)(3)] [40 CFR 63.1566(a)(5)] {40 CFR 63.4(a)(1)}	2/9/05 4/11/02 2/9/05 2/9/05 4/5/02	Shall prepare an operation, maintenance, and monitoring plan for each control system and CEMS. Shall submit any changes to PSCAA for review and approval and comply with the plan until the change is approved. Each plan must include the following: - Process and control device parameters to be monitored for each affected

	(included CRU-1 CRU-2, F-1, F-2)	{ 40 CFR 63.4(a)(2) } ----- { PSCAA Reg. III: 2.02 } { WAC 173-400-075 } <i>Not federally enforceable</i>	4/5/02 ----- 9/26/02 6/8/07	<p>source, along with established operating limits.</p> <ul style="list-style-type: none"> <li>- Procedures for monitoring emissions and process and control device operating parameters for each affected source.</li> <li>- Procedures you will use to determine the HCl concentration of gases from a catalytic reforming unit when you use a colorimetric tube sampling system, including procedures for correcting for pressure (if applicable to the sampling equipment) and the sampling locations that will be used for compliance monitoring purposes.</li> <li>- Monitoring schedule, including when you will monitor and when you will not monitor an affected source (e.g., during the coke burn-off, regeneration process).</li> <li>- Quality control plan for each CEMS, including the procedures to be used for calibrations, accuracy audits, and adjustments to the system needed to meet applicable requirements for the system.</li> <li>- Maintenance schedule for each affected source, monitoring system, and control device that is generally consistent with the manufacturer's instructions for routine and long-term maintenance.</li> <li>- Maintenance schedule for each monitoring system and control device for each affected source that is generally consistent with the manufacturer's instructions for routine and long-term maintenance.</li> </ul>
<b>II.I.10</b>	Subpart UUU sulfur recovery units (see note above) (included SRU-2, H-580)	40 CFR 63.1568(c)(2) 40 CFR 63.1567(c)(2) 40 CFR 63.1566(c)(2) 40 CFR 63.1576(e) { 40 CFR 63.4(a)(1) } { 40 CFR 63.4(a)(2) } ----- { PSCAA Reg. III: 2.02 } { WAC 173-400-075 } <i>Not federally enforceable</i>	4/11/02 2/9/05 2/9/05 2/9/05 4/5/02 4/5/02 ----- 9/26/02 6/8/07	<p>Shall maintain records to document conformance with the procedures in the operation, maintenance, and monitoring plan.</p>

### **III. PROHIBITED ACTIVITIES**

U.S. Oil is prohibited from conducting, causing, or allowing the following activities:

#### **III.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 (see I.A.27). [WAC 173-400-205, 3/22/91]

#### **III.B. Open Burning**

US Oil 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; 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 Regulation I, Section 8.04(a), 11/9/00; WAC 173-425-036, 10/18/90; WAC 173-425-055, 10/18/90] [Puget Sound Clean Air Agency Regulation I, Section 8.07, 9/9/99; ; WAC 173-425-050, 4/13/00; RCW 70.94.743, 1998 c68 §1 and RCW 70.94.775(2), 1995 c362 §2; *Not federally enforceable*]

#### **III.C. Refuse Burning**

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

#### **III.D. Concealment & Circumvention**

##### **1. General**

US Oil 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. [WAC 173-400-040(7), 9/20/93] [Puget Sound Clean Air Agency Regulation I, Section 9.13(a), 6/9/88; and WAC 173-400-040(7), 2/10/05; *Not federally enforceable*]

##### **2. NSPS**

US Oil shall not build, erect, install, or use any article, machine, equipment or process, the use of which conceals an emission which would otherwise constitute a violation of an

applicable (40 CFR Part 60) standard. Such concealment includes, but is not limited to, the use of gaseous diluents to achieve compliance with an opacity standard or with a standard which is based on the concentration of a pollutant in the gases discharged to the atmosphere. [40 CFR 60.12, 3/8/74]

### **3. NESHAP**

US Oil shall not build, erect, install, or use any article, machine, equipment, or process, the use of which conceals an emission which would otherwise constitute a violation of 40 CFR Part 61. Such concealment includes, but is not limited to, the piecemeal carrying out of an operation to avoid coverage by a standard that applies only to operations larger than a specified size. [40 CFR 61.19, 11/7/85]

### **4. NESHAP (MACT)**

US Oil shall not build, erect, install, or use any article, machine, equipment, or process to conceal an emission that would otherwise constitute noncompliance with a relevant standard adopted under 40 CFR Part 63. Such concealment includes, but is not limited to--

- (a) The use of diluents to achieve compliance with a relevant standard based on the concentration of a pollutant in the effluent discharged to the atmosphere;
- (b) The use of gaseous diluents to achieve compliance with a relevant standard for visible emissions; and
- (c) The fragmentation of an operation such that the operation avoids regulation by a relevant standard.

[40 CFR 63.4(b), 4/5/02]

### **III.E. Masking**

US Oil 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. [WAC 173-400-040(7), 9/20/93] [Puget Sound Clean Air Agency Regulation I, Section 9.13(a), 6/9/88 and WAC 173-400-040(7), 2/10/05; *Not federally enforceable*]

### **III.F. Fuel Oil Standards**

US Oil shall not sell or make available for sale any oil containing in excess 0.1% ash, 2.00% by weight sulfur, 100 ppm(m) lead, 5 ppm(m) arsenic, 2 ppm(m) cadmium, 10 ppm(m) chromium, 1000 ppm(m) total halogens, 2 ppm(m) PCB, or a flash point of <100 °F to any person who has not obtained an Order of Approval from the Agency to burn it, except for ocean-going vessels. [PSCAA Reg. I: 9.08(b) and (c), 4/14/94] [PSCAA Reg. I: 9.08(b) and (c), 3/25/04; *Not federally enforceable*]

### **III.G. Cutback Asphalt Paving**

US Oil shall not cause or allow the use of cutback asphalt in King, Pierce, Snohomish or Kitsap counties during the months of June, July, August, and September, except for use as: (1) a penetrating prime coat on aggregate bases prior to paving; (2) the manufacture of patching mixes used exclusively for pavement maintenance and needed to be stockpiled for times longer than one month; or (3) use when the temperature during application is below 10°C (50°F). [PSCAA Reg. II, Section 3.01, 6/13/91]

### **III.H. Tampering or Misrepresentation**

US Oil shall not render inaccurate any monitoring device or method required under Chapter 70.94 RCW, or any ordinance, resolution, regulation, permit, or order in force pursuant thereto. [WAC 173-400-105(8), 2/10/05, *Puget Sound Clean Air Agency only*]

US Oil shall not make any false material statement, representation or certification in any form, notice, or report required under Chapter 70.94 RCW, or any ordinance, resolution, regulation, permit, or order in force pursuant thereto. [WAC 173-400-105(7), 2/10/05, *Puget Sound Clean Air Agency only*]

## **IV. ACTIVITIES REQUIRING ADDITIONAL APPROVAL**

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

### **IV.A. New Source Review**

US Oil 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(b) (9/12/96) or Section 6.03(c) (10/20/06), unless a “Notice of Construction and Application for Approval” has been filed with and approved by the Puget Sound Clean Air Agency. For purposes of complying with the recordkeeping requirement in Puget Sound Clean Air Agency Regulation I, 6.03(c), US Oil 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; 40 CFR 60.7, 2/12/99; 40 CFR 60.14, 10/17/00; 40 CFR 60.15, 12/16/75; 40 CFR 61.07(a), 11/7/85; 40 CFR 63.5, 4/5/02] [Puget Sound Clean Air Agency Regulation I, Section 6.03, 10/20/06, WAC 173-460-040, 2/14/94; RCW 70.94.152, 1996 c67 §1, 1996 c29 §1; *Not federally enforceable*]

### **IV.B. Replacement or Substantial Alteration of Emission Control Technology**

US Oil shall file a Notice of Construction and Application for Approval according to WAC 173-400-114 with the Puget Sound Clean Air Agency before replacing or substantially altering any emission control technology installed at the facility. [Puget Sound Clean Air Agency Regulation I, Section 6.03, 10/20/06; WAC 173-400-114, 9/15/01; RCW 70.94.153, 1991 c199 §303; *Not federally enforceable*]

### **IV.C. Asbestos**

1. US Oil shall comply with 40 CFR 61.145 and 61.150 when conducting renovation or demolition activities at the facility. [40 CFR 61.145, 4/7/93; 40 CFR 61.150, 9/18/03]
2. US Oil shall comply with Puget Sound Clean Air Agency Regulation III, Article 4 when conducting any asbestos project, renovation or demolition activities at the facility. [Puget Sound Clean Air Agency Regulation III, Article 4, 3/22/07; *Not federally enforceable*]

### **IV.D. Spray Coating**

- (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 Regulation I. 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 cubic feet per minute 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] [Puget Sound Clean Air Agency Regulation I, Section 9.16, 2/22/07; *Not federally enforceable*]

## **V. STANDARD TERMS AND CONDITIONS**

### ***V.A. Duty to comply***

US Oil shall comply with all conditions of this permit. Any permit noncompliance constitutes a violation of Chapter 70.94 RCW and, for federally enforceable provisions, a violation of the Federal Clean Air Act (FCAA). Such violations are grounds for enforcement action; for permit termination, revocation and reissuance, or modification; or for denial of a permit renewal application. [Puget Sound Clean Air Agency Regulation I, Section 7.05, 10/28/93; WAC 173-401-620(2)(a), 11/4/93]

### ***V.B. Permit actions***

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

### ***V.C. Property rights***

This permit does not convey any property rights of any sort, or any exclusive privilege. [WAC 173-401-620(2)(d), 11/4/93]

### ***V.D. Duty to provide information***

US Oil shall furnish to the Puget Sound Clean Air Agency, within a reasonable time, any information that the Puget Sound Clean Air Agency may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating the permit or to determine compliance with the permit. Upon request, US Oil shall also furnish to the Puget Sound Clean Air Agency copies of records required to be kept by the permit or, for information claimed to be confidential, US Oil may furnish such records directly to EPA Region 10 along with a claim of confidentiality. The Puget Sound Clean Air Agency shall maintain the confidentiality of such information in accordance with RCW 70.94.205. [WAC 173-401-620(2)(e), 11/4/93]

### ***V.E. Permit fees***

US Oil shall pay fees as a condition of this permit in accordance with Puget Sound Clean Air Agency Regulation I, Article 7. Failure to pay fees in a timely fashion shall subject US Oil to civil and criminal penalties as prescribed in Chapter 70.94 RCW. [WAC 173-401-620(2)(f), 11/4/93] [RCW 70.94.162, 1998 c245 §129; 1993 c252 §6; *Not federally enforceable*]

### ***V.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]

**V.G. Severability**

If any provision of this permit is held to be invalid, all unaffected provisions of the permit shall remain in effect and be enforceable. [WAC 173-401-620(2)(h), 11/4/93] [RCW 70.94.905, 1991 c199 §719; *Not federally enforceable*]

**V.H. Permit appeals**

This permit or any condition in it may be appealed only by filing an appeal with the Pollution Control Hearings Board and serving it on the Puget Sound Clean Air Agency within thirty days of receipt, pursuant to RCW 43.21B.310 and WAC 173-401-735. The provision for appeal in this section is separate from and additional to any federal rights to petition and review found under 40 CFR 505(b) of the FCAA. [WAC 173-401-620(2)(i), 11/4/93 and WAC 173-401-735, 5/3/97] [RCW 70.94.221, 1970 ex.s. c62 §58; *Not federally enforceable*]

**V.I. Permit continuation**

This permit and all terms and conditions contained therein, including any permit shield provided under WAC 173-401-640, shall not expire until the renewal permit has been issued or denied if a timely and complete application has been submitted. An application shield granted under WAC 173-401-705(2) shall remain in effect until the renewal permit has been issued or denied if a timely and complete permit application has been submitted. [WAC 173-401-620(2)(j), 11/4/93]

**V.J. Federal enforceability**

All terms and conditions of this permit are enforceable by the EPA administrator and by citizens under the FCAA, except for those terms and conditions designated in the permit as “*Not federally enforceable*”. [WAC 173-401-625, 11/4/93]

**V.K. Inspection and entry**

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

1. Enter US Oil’s premises or where records shall be kept under the conditions of this permit;
2. Have access to and copy, at reasonable times, any records that shall be kept under the conditions of the permit;
3. Inspect at reasonable times any facilities, equipment (including monitoring and air pollution control equipment), practices or operations regulated or required under the permit; and
4. As authorized by WAC 173-400-105 and the FCAA, sample or monitor at reasonable times substances or parameters for the purpose of assuring compliance with the permit or applicable requirements.

[WAC 173-401-630(2), 11/4/93] [RCW 70.94.200, 1987, c109 §38; *Not federally enforceable*]

**V.L. Compliance requirements**

US Oil shall continue to comply with all applicable requirements with which the source is currently in compliance. US Oil 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), 6/17/94]

**V.M. 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 US Oil to have it tested. In the event the Puget Sound Clean Air Agency or Ecology conduct the test, US Oil 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 permit, except where this permit indicates that a specific Reference Test Method is not needed or appropriate.
- iii) US Oil shall notify the Puget Sound Clean Air Agency in writing at least 21 days prior to any compliance test. Notification of a compliance test shall be submitted on forms provided by the Agency. Test notifications using the Agency forms do not constitute test plans. Compliance with this notification provision does not satisfy any obligation found in an order or other regulatory requirement to submit a test plan for Agency review. Notification under Section 3.07(b) of this regulation does not waive or modify test notification requirements found in other applicable regulations.
- iv) US Oil, if required by the Puget Sound Clean Air Agency to perform a compliance test, shall submit a report to the Puget Sound Clean Air Agency no later than 60 days after the test. The report shall include:
  - (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), 9/20/93] [Puget Sound Clean Air Agency Regulation I, Section 3.05(b), 2/10/94; and Puget Sound Clean Air Agency Regulation I, Section 3.07, 3/23/06; *Not federally enforceable*]

## **2. Credible Evidence**

For the purpose of submitting compliance certifications or establishing whether or not a person has violated or is in violation of this permit, nothing shall preclude the use, including the exclusive use, of any credible evidence or information relevant to whether a source would have been in compliance with applicable requirements if the appropriate performance or compliance test or procedure had been performed. [CFR 51.212(c), 2/24/97; 40 CFR 52.12, 2/24/97; 40 CFR 52.33, 2/24/97; 40 CFR 60.11(g), 10/17/00, 40 CFR 61.05(c), 11/7/85, 40 CFR 61.12(e), 2/24/97; Puget Sound Clean Air Agency Regulation I, Section 3.06, 10/8/98]

## **V.N. Records Retention**

(Note 1: The records retention requirements in Section V.N of the permit are in a tabular format. The first column is used as an identifier for the requirement. The second and third columns in the following table cite the requirements and their adoption or effective dates, respectively. Requirements shown in square brackets [ ] require compliance with the unbracketed requirement listed above it. Applicable requirements shown in parentheses { } require compliance with the entire part or subpart of the Code of Federal Regulations that the unbracketed requirement listed above it is in. Applicable requirements that are *not federally enforceable* are grouped together and listed underneath a dashed line.

Except for the record retention requirements established pursuant to Chapter 173-401-WAC, the fourth column paraphrases the requirement. These requirement paraphrases are for information only and are not enforceable provisions of this permit. In the event of any conflict or omission between the requirement paraphrase and the requirement cited in the second and third columns, the requirements and language of the actual statute or regulation cited shall govern. For more information regarding any of the applicable requirements cited in the third and fourth columns, refer to the actual statute or regulation cited.

Note 2: WAC 173-401-615(2)(c) established a minimum 5-year record retention requirement, which is longer than many of the retention requirements that existed prior to permit issuance.)

Req. No.	Requirement	Adoption or Effective Date	Requirement Paraphrase
<b>V.N.1</b>	40 CFR 60.697(f)(1) ----- {PSCAA Reg. I: 6.11} {WAC 173-400-115} <i>Not federally enforceable</i>	10/17/00 ----- 9/26/02 6/8/07	Shall keep a copy of the design specifications for all equipment used to comply with the provisions of Subpart QQQ for <b>the life of the source</b> in a readily accessible location.
<b>V.N.2</b>	40 CFR 60.697(g) ----- {PSCAA Reg. I: 6.11} {WAC 173-400-115} <i>Not federally enforceable</i>	10/17/00 ----- 9/26/02 6/8/07	If a tightly sealed cap or plug is installed over a drain that is out of active service (see II.F.3), the US Oil shall keep <b>for the life of the facility</b> in a readily accessible location, plans or specifications which indicate the location of such drains.
<b>V.N.3</b>	PSCAA Reg. II: 3.02(i)(3)	7/8/99	US Oil shall retain all floating roof tank inspection records required under PSCAA Reg. II: 3.02(i) (see II.F.176) for <b>≥2 yr.</b>
<b>V.N.4</b>	PSCAA Reg. I: 12.04(e) ----- PSCAA Reg. I: 12.03(e) <i>Not federally enforceable</i>	4/9/98 ----- 9/23/04	US Oil shall retain all CEMS monitoring data averages, copies of all reports submitted to PSCAA, and records of all repairs, adjustments, and maintenance performed on the CEMS for <b>≥5 yr.</b>
<b>V.N.5</b>	40 CFR 63.8(d)(3) [40 CFR 63.1576(b)(3)] {40 CFR 63.4(a)(1)} {40 CFR 63.4(a)(2)} ----- {PSCAA Reg. III: 2.02} {WAC 173-400-075} <i>Not federally enforceable</i>	4/20/06 2/9/05 4/5/02 4/5/02 ----- 9/26/02 6/8/07	US Oil shall retain the written SO <sub>2</sub> CEMS QA/QC procedures on record <b>for the life of the affected source or until the affected source is no longer subject to the provisions of this part</b> , to be made available for inspection, upon request, by PSCAA. If the performance evaluation plan is revised, US Oil shall retain previous (i.e., superseded) versions on record to be made available for inspection, upon request, by PSCAA, for a period of 5 years after each revision to the plan. Where relevant, e.g., program of corrective action for a malfunctioning CEMS, these written procedures may be incorporated as part of the SSMP to avoid duplication of planning and recordkeeping efforts.
<b>V.N.6</b>	WAC 173-491-040(6)(d)(i) <i>Not federally enforceable</i>	1/23/98	US Oil shall retain all gasoline tank truck certifications required under WAC 173-491-040 (see II.F.228) for <b>≥2 yr.</b>
<b>V.N.7</b>	40 CFR 60.7(f) ----- {PSCAA Reg. I: 6.11} {WAC 173-400-115} <i>Not federally enforceable</i>	2/12/99 ----- 9/26/02 6/8/07	US Oil shall retain all NSPS records required under 40 CFR Part 60 for <b>≥2 yr.</b>

Req. No.	Requirement	Adoption or Effective Date	Requirement Paraphrase
<b>V.N.8</b>	40 CFR 60.115b ----- {PSCAA Reg. I: 6.11} {WAC 173-400-115} <i>Not federally enforceable</i>	4/7/93 ----- 9/26/02 6/8/07	US Oil shall retain all records required under §60.115b (see II.F.180, II.F.193) for <b>≥2 yr</b> , except the record required by §60.115b(c)(1) (see II.F.192), which shall be retained <b>for the life of the control equipment</b> .
<b>V.N.9</b>	40 CFR 60.116b(a) ----- {PSCAA Reg. I: 6.11} {WAC 173-400-115} <i>Not federally enforceable</i>	10/15/03 ----- 9/9/99 6/8/07	US Oil shall retain the records required under §60.116b (see II.F.150, II.F.183) for <b>≥2 yr</b> , except the record required by §60.116b(b) (see II.F.148, II.F.182, II.F.215), which shall be retained <b>for the life of the tank</b> .
<b>V.N.10</b>	40 CFR 61.356(a) {40 CFR 61.05(c)} ----- {PSCAA Reg. III: 2.02} {WAC 173-400-075} <i>Not federally enforceable</i>	11/12/02 11/7/85 ----- 9/26/02 6/8/07	US Oil shall retain all Benzene NESHAP records required under §61.356(b) (see II.F.53) for <b>≥2 yr</b> .
<b>V.N.11</b>	40 CFR 63.642(e) 40 CFR 63.655(i)(4) 40 CFR 63.648(h) 40 CFR 63.6660 40 CFR 63.10(b)(1) {40 CFR 63.4(a)(1)} {40 CFR 63.4(a)(2)} ----- {PSCAA Reg. III: 2.02} {WAC 173-400-075} <i>Not federally enforceable</i>	10/28/09 10/28/09 8/18/98 3/3/10 4/5/02 4/5/02 4/5/02 ----- 9/26/02 6/8/07	US Oil shall retain all MACT records required under 40 CFR Part 63, Subpart CC for <b>≥5 yr</b> .
<b>V.N.12</b>	40 CFR 63.1576(h) 40 CFR 63.10(b)(1) [40 CFR 63.1576(h)] {40 CFR 63.4(a)(1)} {40 CFR 63.4(a)(2)} ----- {PSCAA Reg. III: 2.02} {WAC 173-400-075} <i>Not federally enforceable</i>	9/13/04 4/5/02 2/9/05 4/5/02 4/5/02 ----- 9/26/02 6/8/07	US Oil shall retain all MACT records required under 40 CFR Part 63, Subpart UUU for <b>≥5 yr</b> .



Req. No.	Requirement	Adoption or Effective Date	Requirement Paraphrase
<b>V.N.13</b>	40 CFR 63.1576(i) 40 CFR 63.10(b)(1) [40 CFR 63.1576(i)] {40 CFR 63.4(a)(1)} {40 CFR 63.4(a)(2)} ----- {PSCAA Reg. III: 2.02} {WAC 173-400-075} <i>Not federally enforceable</i>	9/13/04 4/5/02 2/9/05 4/5/02 4/5/02 ----- 9/26/02 6/8/07	US Oil shall retain all MACT records required under 40 CFR Part 63, Subpart UUU on-site for <b>≥2 yr.</b> US Oil may keep the records offsite for the remaining 3 years.
<b>V.N.14</b>	40 CFR 63.567(j)(4) {40 CFR 63.4(a)(1)} {40 CFR 63.4(a)(2)} ----- {PSCAA Reg. III: 2.02} {WAC 173-400-075} <i>Not federally enforceable</i>	6/23/03 4/5/02 4/5/02 ----- 9/26/02 6/8/07	US Oil shall retain all marine loading emissions and throughput records required under §63.567(j)(4) (see II.F.230) for <b>≥5 yr.</b>
<b>V.N.15</b>	40 CFR 63.123(a) [40 CFR 63.119(a)(3)]* {40 CFR 63.4(a)(1)} {40 CFR 63.4(a)(2)} ----- {PSCAA Reg. III: 2.02} {WAC 173-400-075} <i>Not federally enforceable</i>  *Group 2 only	12/23/04 12/21/06 4/5/02 4/5/02 ----- 9/26/02 6/8/07	US Oil shall retain all records of the dimensions and capacity of each Group 1 and 2 tank <b>for the life of the tank.</b>
<b>V.N.16</b>	40 CFR 63.6(e)(3)(v) [40 CFR 63.1576(a)(2)] [40 CFR 63.1570(d)] {40 CFR 63.4(a)(1)} {40 CFR 63.4(a)(2)} ----- {PSCAA Reg. III: 2.02} {WAC 173-400-075} <i>Not federally enforceable</i>	4/20/06 2/9/05 4/20/06 4/5/02 4/5/02 ----- 9/26/02 6/8/07	US Oil shall retain the current SSMP and make it available for inspection and copying by PSCAA. If the SSMP is revised, the previous (superseded) versions shall be retained for <b>≥5 yr after the revision.</b> If at any time after adoption of a SSMP the affected source ceases operation or is otherwise no longer subject to the provisions 40 CFR Part 63, shall retain a copy of the most recent plan for ≥5 years from the date the source ceases operation or is no longer subject to Part 63.

Req. No.	Requirement	Adoption or Effective Date	Requirement Paraphrase
<b>V.N.17</b>	40 CFR 63.642(e) 40 CFR 63.1576(g) 40 CFR 63.10(b)(1) [40 CFR 63.1576(g)] {40 CFR 63.4(a)(1)} {40 CFR 63.4(a)(2)} ----- {PSCAA Reg. III: 2.02} {WAC 173-400-075} <i>Not federally enforceable</i>	10/28/09 2/9/05 4/5/02 2/9/05 4/5/02 4/5/02 ----- 9/26/02 6/8/07	US Oil shall maintain all records required under 40 CFR Part 63 in such a manner that they can be readily accessed within 24 hrs. Records may be maintained in hard copy or computer-readable form including, but not limited to, on paper, microfilm, computer, floppy disk, magnetic tape, or microfiche.
<b>V.N.18</b>	WAC 173-401-615(2)(b) {PSCAA Reg. I: 7.05}	10/17/02 10/28/93	Shall keep 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.
<b>V.N.19</b>	WAC 173-401-615(2)(c) {PSCAA Reg. I: 7.05}	10/17/02 10/28/93	Shall keep records of all required monitoring data and support information <b>for ≥5 yr from the date of the monitoring, sample, measurement, report, or application.</b> Support information includes all calibration and maintenance records and all original strip-chart recordings for continuous monitoring instrumentation, and copies of all reports required by the permit.

#### **V.O. Data recovery**

The specific monitoring and recordkeeping requirements in Section II of this permit may contain data recovery requirements. However, if such requirements are silent on data recovery, data recovery is assumed to be 100%. [WAC 173-401-615(1)(b), 10/17/02]

#### **V.P. Reporting**

The reporting requirements in Section V.P of the permit are in a tabular format. The first column is used as an identifier for the requirement. The second and third columns in the following table cite the requirements and their adoption or effective dates, respectively. Requirements shown in square brackets [ ] require compliance with the unbracketed requirement listed above it. Applicable requirements shown in parentheses { } require compliance with the entire part or subpart of the Code of Federal Regulations that the unbracketed requirement listed above it is in. Applicable requirements that are *not federally enforceable* are grouped together and listed underneath a dashed line.

Except for the reporting requirements established pursuant to WAC 173-401-615(3), the fourth column paraphrases the requirement. These requirement paraphrases are for

information only and are not enforceable provisions of this permit. In the event of any conflict or omission between the requirement paraphrase and the requirement cited in the second and third columns, the requirements and language of the actual statute or regulation cited shall govern. For more information regarding any of the applicable requirements cited in the third and fourth columns, refer to the actual statute or regulation cited.

US Oil shall submit complete copies of all required compliance reports required by this permit to PSCAA in electronic format as an attachment to an e-mail message. The date the document is received by PSCAA's e-mail system shall be considered the submitted date of the report. Original written documents shall also be submitted for record purposes.

All requests, reports, applications, submittals and other information submitted pursuant to 40 CFR Parts 60, 61 and 63 shall be submitted to PSCAA pursuant to EPA Region 10's Approval of PSCAA's request for Delegation of Authority for these standards. [40 CFR 60.4(a) and (b), 2/1/07; 40 CFR 61.04, 2/28/00; 40 CFR 63. 9(a)(4)(ii), 4/5/02; 40 CFR 63.10(a)(4)(ii), 4/5/02; 40 CFR 63.12(c), 3/16/94; 63 FR 66057, 12/1/98]

## NON-PERIODIC

Req. No.	Requirement	Adoption or Effective Date	Requirement Paraphrase
Immediate SSM (Subpart ZZZZ)			
<b>V.P.1</b>	40 CFR 63.10(d)(5)(ii) [40 CFR 63.6650(a)] {40 CFR 63.4(a)(1)} {40 CFR 63.4(a)(2)} ----- {PSCAA Reg. III: 2.02} {WAC 173-400-075} <i>Not federally enforceable</i>	9/13/04 3/3/10 4/5/02 4/5/02 ----- 9/26/02 6/8/07	For actions taken during a startup or shutdown (that caused the source to exceed any applicable emission limitation), or malfunction (including actions taken to correct a malfunction) that are <i>not</i> consistent with the procedures specified in the SSMP, US Oil shall report (by phone or fax or e-mail) the actions taken for that event <b>within 2 working days after commencing actions inconsistent with the SSMP</b> followed by a letter <b>within 7 working days after the end of the event</b> that contains: - The actions taken for that event; - An explanation of the circumstances of the event; - The reasons for not following the SSMP; - Whether any excess emissions and/or parameter monitoring exceedances are believed to have occurred; and - The name, title, and signature of the owner or operator or other responsible official who is certifying its accuracy.
Off-Spec Fuel Oil			
<b>V.P.2</b>	PSCAA Reg. I: 9.08(b) PSCAA Reg. I: 9.08(c)	3/25/04 3/25/04	If US Oil sells or makes available for sale any oil exceeding the following limits to any person (except ocean-going vessels), it shall submit a report to the Agency <b>within 15 days of the end of the month</b> that includes the name and address of the recipient, the amount of oil delivered, and the concentration of contaminants therein: ash                    0.1 % sulfur                2.00 % lead                  100 ppm(m) arsenic              5 ppm(m) cadmium            2 ppm(m) chromium          10 ppm(m) total halogens 1000 ppm(m) PCBs                2 ppm(m) flash point        <100 °F.

Req. No.	Requirement	Adoption or Effective Date	Requirement Paraphrase
Subpart FF Benzene Waste Operations			
V.P.3	40 CFR 61.357(c) 40 CFR 61.357(a)(1) 40 CFR 61.357(a)(2) 40 CFR 61.357(a)(3) 40 CFR 61.355(a)(4)(i) [40 CFR 61.05(d)] {40 CFR 61.05(c)} ----- {PSCAA Reg. III: 2.02} {WAC 173-400-075} <i>Not federally enforceable</i>	10/17/00 10/17/00 10/17/00 10/17/00 10/17/00 11/7/85 11/7/85 ----- 9/26/02 6/8/07	Shall report any updates in the information listed in §61.357(a)(1) through (a)(3) <b>whenever there is a change in the process generating the waste stream that could cause the total annual benzene quantity from facility waste to increase <math>\geq 10</math> Mg/yr.</b> - The total annual benzene quantity from facility waste determined in accordance with §61.355(a); - A table identifying each waste stream and whether or not the waste stream will be controlled for benzene emissions in accordance with the requirements of this subpart; and - For each waste stream identified as not being controlled for benzene emissions in accordance with the requirements of this subpart the following information shall be added to the table: - Whether or not the water content of the waste stream is $>10\%$ ; - Whether or not the waste stream is a process wastewater stream, product tank drawdown, or landfill leachate; - Annual waste quantity for the waste stream; - Range of benzene concentrations for the waste stream; - Annual avg. flow-weighted benzene concentration for the waste stream; and - Annual benzene quantity for the waste stream.
Change in Information Provided (Subpart UUU)			
V.P.4	40 CFR 63.9(j) {40 CFR 63.4(a)(1)} {40 CFR 63.4(a)(2)} ----- {PSCAA Reg. III: 2.02} {WAC 173-400-075} <i>Not federally enforceable</i>	5/30/03 4/5/02 4/5/02 ----- 9/26/02 6/8/07	Any change in the information already provided under §63.9 (e.g., Initial Notification, Notification of Compliance Status) shall be provided to PSCAA in writing <b>within 15 calendar days after the change.</b>

#### MONTHLY

Req. No.	Requirement	Adoption or Effective Date	Requirement Paraphrase
Deviation			

Req. No.	Requirement	Adoption or Effective Date	Requirement Paraphrase
<b>V.P.5</b>	WAC 173-401-615(3)(b) (PSCAA Reg. I: 7.05}	10/17/02 10/28/93	US Oil shall report in writing to PSCAA (Attn.: Operating Permit Certification) all instances of deviations from the permit requirements, including those attributable to upset conditions as defined in this permit, the probable cause of the deviations, and any corrective actions or preventive measures taken. "Deviation" means any situation in which an emission unit fails to meet a permit term or condition. US Oil shall maintain a contemporaneous record of all deviations. US Oil shall report any deviations to PSCAA that represent a potential threat to human health or safety by FAX (206-343-7522) as soon as possible but ≤12 hrs after such a deviation is discovered. US Oil shall report other deviations in writing to PSCAA (Attn.: Operating Permit Certification) <b>within 30 days after the end of the month</b> during which the deviation is discovered.
<b>CEMS</b>			
<b>V.P.6</b>	PSCAA Reg. I: 12.03(f) ----- PSCAA Reg. I: 12.03(f) PSCAA Reg. I: 12.03(a) <i>Not federally enforceable</i>	4/9/98 ----- 9/23/04 9/23/04	Shall submit a monthly CEMS report to PSCAA <b>within 30 days after the end of the month</b> in which the data were recorded that includes: - The date, time period, magnitude and cause of each emission which exceeded an applicable standard; - The date and time of all actions taken to correct the problem including any actions taken to minimize the emissions and to prevent its recurrence; - The number of hrs that the equipment operated and the number of valid hrs of monitoring data recovered; - The date, time period and cause of each failure to meet the data recovery requirements in §12.03(b) (see II.B.29) and any actions taken to ensure adequate collection of such data; - The date, time period and cause of each failure to recover valid hourly monitoring data for ≥90% of the hrs that the equipment operated each day; - The results of all cylinder gas audits conducted during the month; and - A certification of truth, accuracy, and completeness signed by an authorized representative of US Oil.

### QUARTERLY

Req. No.	Requirement	Adoption or Effective Date	Requirement Paraphrase
<b>Asbestos</b>			
<b>V.P.7</b>	PSCAA Reg. III: 4.03(a)(8)(C) <i>Not federally enforceable</i>	3/22/07	If US Oil files an annual notification for asbestos projects pursuant to PSCAA Reg. III, §4.03(a)(8), US Oil shall submit quarterly reports on Agency-approved forms within 15 days after the end of each calendar quarter.

### SEMIANNUAL

The following reports and compliance certifications shall cover the periods January 1-June 30 and July 1-December 31. The semiannual reports shall be submitted no later than February 28<sup>th</sup> and August 30<sup>th</sup>.

Req. No.	Requirement	Adoption or Effective Date	Requirement Paraphrase
<b>Certification of Reports</b>			
<b>V.P.8</b>	WAC 173-401-520 {PSCAA Reg. I: 7.05}	11/4/93 10/28/93	Any application form, report, or compliance certification submitted pursuant to this permit shall contain certification by a responsible official of truth, accuracy, and completeness. This certification and any other certification required under this permit shall state that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete.
<b>V.P.9</b>	WAC 173-401-615(3)(a) {PSCAA Reg. I: 7.05}	10/17/02 10/28/93	Any monitoring reports required by this permit to be submitted to PSCAA shall be submitted <b>at least once every 6 months</b> or more frequently where required by an applicable requirement (see V.P.1 - V.P.7). All instances of deviations from permit requirements shall be clearly identified in such reports. All required reports shall be certified by a responsible official consistent with WAC 173-401-520. Where an applicable requirement requires reporting more frequently than once every 6 months, the responsible official's certification need only be submitted once every 6 months, covering all required reporting since the date of the last certification, provided that the certification specifically identifies all documents subject to the certification.

Req. No.	Requirement	Adoption or Effective Date	Requirement Paraphrase
Subpart QQQ Wastewater Systems			
<b>V.P.10</b>	40 CFR 60.698(b) ----- {PSCAA Reg. I: 6.11} {WAC 173-400-115} <i>Not federally enforceable</i>	8/18/95 ----- 9/26/02 6/8/07	The Periodic Report shall include a certification that all of the inspections have been carried out in accordance with Subpart QQQ requirements.
<b>V.P.11</b>	40 CFR 60.698(c) ----- {PSCAA Reg. I: 6.11} {WAC 173-400-115} <i>Not federally enforceable</i>	8/18/95 ----- 9/26/02 6/8/07	The Periodic Report shall include a summary of all inspections (see II.F.1, II.F.2, II.F.3, II.F.5, II.F.7, II.F.9, II.F.11, II.F.12, II.F.13, II.F.18): - when a water seal was dry or otherwise breached; - when a drain cap or plug was missing or improperly installed; - when cracks, gaps, or other problems were identified that could result in VOC emissions; and - the repairs or corrective action taken.



Req. No.	Requirement	Adoption or Effective Date	Requirement Paraphrase
<b>Subpart J Fuel Gas Combustion Devices and Flares</b>			
(Note 1: Semiannual reports under V.P.12 need not be submitted if all of the information required by these terms is contained in the monthly CEMS reports required under V.P.6.			
Note 2: Requirement V.P.12 from 40 CFR Part 60, Subpart J, applies to fuel gas combustion devices [process heaters, boilers and flares used to combust any gas which is generated at a petroleum refinery, except facilities in which gases are combusted to produce sulfur or sulfuric acid] which commence construction or modification after 6/11/73. At the time of permit renewal (7/22/10), this included B-4, B-5, F-1, F-2, H-3, H-6, H-11, H-201, H-202, H-901, H-1101, H-1102, H-1103, H-1104, H-580, and H-1501.)			

Req. No.	Requirement	Adoption or Effective Date	Requirement Paraphrase
<b>V.P.12</b>	40 CFR 60.7(c) 40 CFR 60.7(d) ----- {PSCAA Reg. I: 6.11} {WAC 173-400-115} <i>Not federally enforceable</i>	2/12/99 2/12/99 ----- 9/13/01 9/15/01	<p>Shall submit a Summary Report including:</p> <ul style="list-style-type: none"> <li>- company name;</li> <li>- address;</li> <li>- reporting period;</li> <li>- total source operating time in reporting period (hrs);</li> <li>- process unit(s) description;</li> <li>- NSPS emission limit;</li> <li>- pollutant (H<sub>2</sub>S);</li> <li>- CEMS make and model;</li> <li>- date of most recent CEMS audit;</li> <li>- description(s) of any change(s) to the CEMS, process or controls;</li> <li>- duration of excess emissions (hrs) due to: startup/shutdown; control equipment problems; process problems; other known causes; and unknown causes;</li> <li>- total duration of excess emissions;</li> <li>- total duration of excess emissions as a percentage of total source operating time;</li> <li>- CEMS downtime (hrs) due to CEMS malfunctions, non-CEMS malfunctions, QA calibration, other known causes, and unknown causes;</li> <li>- total CEMS downtime (hrs); and</li> <li>- total CEMS downtime as a percentage of total source operating time.</li> </ul> <p>If the total duration of excess emissions for the reporting period is <math>\geq 1\%</math> of the total source operating time for the reporting period or the total CEMS downtime for the reporting period is <math>\geq 5\%</math> of the total source operating time for the reporting period, the Summary Report shall be accompanied by an Excess Emissions Report that contains:</p> <ul style="list-style-type: none"> <li>- magnitude of excess emissions computed in accordance with 40 CFR 60.13(h);</li> <li>- date and time of commencement and completion of each period of excess emissions;</li> <li>- specific identification of each period of excess emissions that occurs during startups, shutdowns, and malfunctions of the affected facility;</li> <li>- nature and cause of any malfunction (if known);</li> <li>- the corrective action taken or preventative measures adopted;</li> <li>- date and time identifying each period during which the CEMS was inoperative (except for zero and span checks) and the nature of the system repairs or adjustments; and</li> <li>- when no excess emissions have occurred or the CEMS has not been inoperative, repaired, or adjusted, such information shall be stated in the report.</li> </ul>

Req. No.	Requirement	Adoption or Effective Date	Requirement Paraphrase
<b>Subpart Kb Storage Tanks</b>			
(Note: Requirements V.P.13 and V.P.14 from 40 CFR Part 60, Subpart Kb apply to all tanks built after 7/23/84 with a capacity $\geq 19,813$ gal (472 bbl) storing VOC with a maximum true vapor pressure $\geq 2.2$ psia, and to tanks with a capacity $\geq 39,890$ gal (950 bbl) storing VOC with a maximum true vapor pressure $\geq 0.51$ psia, except for tank trucks, railcars, barges or ships; and pressure tanks designed to operate in excess of 29.73 psig without emissions to the atmosphere. However, the control requirements apply only to tanks with a capacity $\geq 19,813$ gal (472 bbl) storing VOC with a maximum true vapor pressure $\geq 4.00$ psia, and to tanks with a capacity $\geq 39,890$ gal (950 bbl) storing VOC with a maximum true vapor pressure $\geq 0.75$ psia. At the time of permit renewal (7/22/10), this included EFR tanks TK-15001, TK-15002, TK-80020, TK-80021, TK-80022, TK-300001, and TK-300002, and IFR tanks TK-2004, TK-5003 and TK-10010.)			
<b>V.P.13</b>	40 CFR 60.115b(b)(4) 40 CFR 60.115b(b)(2) 40 CFR 63.640(n)(8)(iv) 40 CFR 63.640(n)(8)(v) 40 CFR 63.640(n)(8)(vi) ----- {PSCAA Reg. I: 6.11} {WAC 173-400-115} <i>Not federally enforceable</i>	4/7/93 4/7/93 10/28/09 10/28/09 10/28/09 ----- 9/26/02 6/8/07	For EFR each seal gap measurement that detects gaps exceeding the limitations specified by §60.113b(b)(4) (see II.F.172, II.F.173), the Periodic Report shall include: - The tank identification; - The date of measurement; - The raw data obtained in the measurement; - The calculations described in §60.113b(b)(2) and §60.113b(b)(3) (see II.F.161, II.F.165); and - The date the tank was emptied or the repairs made and the date of repair; and - If a 30-day repair extension is utilized, a demonstration of unavailability of alternate storage capacity and a specification of a schedule that will assure that the control equipment will be repaired or the tank will be emptied as soon as possible.
<b>V.P.14</b>	40 CFR 60.115b(a)(3) 40 CFR 63.640(n)(8)(iv) 40 CFR 63.640(n)(8)(v) 40 CFR 63.640(n)(8)(vi) ----- {PSCAA Reg. I: 6.11} {WAC 173-400-115} <i>Not federally enforceable</i>	4/7/93 10/28/09 10/28/09 10/28/09 ----- 9/26/02 6/8/07	If any of the conditions described in §60.113b(a)(2) (see II.F.141) are detected during the annual IFR tank visual inspection required by §60.113b(a)(2), the Periodic Report shall include: - The tank identification; - The nature of the defects; - The date the tank was emptied or the repairs made and the date of repair; and - If a 30-day repair extension is utilized, a demonstration of unavailability of alternate storage capacity and a specification of a schedule that will assure that the control equipment will be repaired or the tank will be emptied as soon as possible.

Req. No.	Requirement	Adoption or Effective Date	Requirement Paraphrase
<b>Subpart CC Group 1 Storage Tanks</b>			
(Note: Requirements V.P.15 - V.P.18 for Group 1 storage tanks apply to all tanks $\geq 46,758$ gal (1113 bbl) capacity with a stored liquid maximum true vapor pressure $\geq 1.5$ psia and annual avg. true vapor pressure $\geq 1.2$ psia and annual avg. total organic HAP content $>4\%$ by wt. that are located in <i>petroleum refining process units</i> - except for tank trucks, railcars, barges, or ships; pressure tanks designed to operate in excess of 29.73 psig without emissions to the atmosphere; bottoms receiver tanks; wastewater tanks; and 40 CFR Part 60, Subpart Kb tanks. At the time of permit renewal (7/22/10), this included EFR tanks TK-13001, TK-14001, TK-14002, TK-30006, TK-80001, TK-80003, TK-80004, TK-80005, TK-80006, TK-80007, TK-80011, TK-80012, TK-80013, TK-80014, TK-80015, TK-80017, and TK-80018 and fixed roof tanks TK-1804, TK-7501 and TK-10001.)			
<b>V.P.15</b>	40 CFR 63.655(g)(3) [40 CFR 63.655(g)(1)] [40 CFR 63.642(k)] [40 CFR 63.642(i)] {40 CFR 63.4(a)(1)} {40 CFR 63.4(a)(2)} ----- {PSCAA Reg. III: 2.02} {WAC 173-400-075} <i>Not federally enforceable</i>	10/28/09 10/28/09 10/28/09 10/28/09 4/5/02 4/5/02 ----- 9/26/02 6/8/07	For EFR each seal gap measurement in which the seal and seal gap requirements of §63.120(b)(3), (4), (5), or (6) (see II.F.166, II.F.167, I.F.67, I.F.69, I.F.71, I.F.74) are not met, the Periodic Report shall include: - The date of the seal gap measurement; - The raw data obtained in the seal gap measurement and the calculations described in §63.120(b)(3) and (4) ; - A description of any seal condition specified in §63.120(b)(5) or (b)(6) that is not met; - A description of the nature of and date the repair was made, or the date the tank was emptied; and - If an extension was utilized in accordance with §63.120(b)(7)(ii) or (8) (see II.F.175), identify the tank; include the documentation specified in §63.120(b)(7)(ii) or (8), as applicable, and describe the date the tank was emptied and the nature of and date repair was made.  For each visual inspections required by §63.120(b)(10) (see II.F.169) in which defects in the external floating roof, or any holes or other openings the primary seal or the seal fabric, or any holes, tears, or other openings in the secondary seal or the seal fabric that are identified, the Periodic Report shall include: - The date of the inspection; - Identification of each tank in which a failure was detected; - A description of the failure; and - The nature of and date the repair was made.

Req. No.	Requirement	Adoption or Effective Date	Requirement Paraphrase
<b>V.P.16</b>	40 CFR 63.655(g)(5)(i) [40 CFR 63.642(k)] [40 CFR 63.642(i)] {40 CFR 63.4(a)(1)} {40 CFR 63.4(a)(2)} ----- {PSCAA Reg. III: 2.02} {WAC 173-400-075} <i>Not federally enforceable</i>	10/28/09 10/28/09 10/28/09 4/5/02 4/5/02 ----- 9/26/02 6/8/07	For those planned routine maintenance operations that would require the control device (H-1501) not to meet the 95% control efficiency requirement, the Periodic Report shall include: - A description of the planned routine maintenance that is anticipated to be performed for the control device during the next 6 months, including the type of maintenance necessary, planned frequency of maintenance, and lengths of maintenance periods; and - A description of the planned routine maintenance that was performed for the control device during the previous 6 months, including the type of maintenance performed and the total number of hrs during those 6 months that the control device did not meet the 95% control efficiency requirement due to planned routine maintenance.
<b>V.P.17</b>	40 CFR 63.655(g)(5)(ii) [40 CFR 63.642(k)] [40 CFR 63.642(i)] {40 CFR 63.4(a)(1)} {40 CFR 63.4(a)(2)} ----- {PSCAA Reg. III: 2.02} {WAC 173-400-075} <i>Not federally enforceable</i>	10/28/09 10/28/09 10/28/09 4/5/02 4/5/02 ----- 9/26/02 6/8/07	For each occurrence when the H-1501 combustion chamber temperature was below 1200°F (averaged over each separate operating cycle), the Periodic Report shall include: - Identification of the control device for which the measured parameters were outside of the established ranges; and - Causes for the measured parameters to be outside of the established ranges.
<b>V.P.18</b>	40 CFR 63.148(j) [40 CFR 63.642(k)] [40 CFR 63.642(i)] {40 CFR 63.4(a)(1)} {40 CFR 63.4(a)(2)} ----- {PSCAA Reg. III: 2.02} {WAC 173-400-075} <i>Not federally enforceable</i>	4/26/99 10/28/09 10/28/09 4/5/02 4/5/02 ----- 9/26/02 6/8/07	For each closed-vent system inspection during which a leak is detected, the Periodic Report shall include: - The instrument identification numbers; - The operator name or initials, and identification of the equipment; - The date the leak was detected and the date of the first attempt to repair the leak; - The maximum instrument reading after the leak is successfully repaired or determined to be unrepairable; - "Repair delayed" and the reason for the delay if a leak is not repaired within 15 days after discovery of the leak; - The name, initials, or other form of identification of the person whose decision it was that repair could not be effected without a shutdown; - The expected date of successful repair of the leak if a leak is not repaired within 15 days; - The dates of shutdowns that occur while the equipment is unrepaired; and - The date of successful repair of the leak.

Req. No.	Requirement	Adoption or Effective Date	Requirement Paraphrase
Subpart CC Gasoline Tank Truck Loading Rack			
<b>V.P.19</b>	40 CFR 63.428(g)(1) [40 CFR 63.655(b)] [40 CFR 63.650(a)] [40 CFR 63.642(k)] [40 CFR 63.642(i)] {40 CFR 63.4(a)(1)} {40 CFR 63.4(a)(2)} ----- {PSCAA Reg. III: 2.02} {WAC 173-400-075} <i>Not federally enforceable</i>	4/6/06 10/28/09 10/28/09 10/28/09 10/28/09 4/5/02 4/5/02 ----- 9/26/02 6/8/07	The Periodic Report shall include each loading of a gasoline cargo tank for which vapor tightness documentation had not been previously obtained by the facility.
<b>V.P.20</b>	40 CFR 63.428(h)(2) 40 CFR 63.428(h)(3) [40 CFR 63.655(b)] [40 CFR 63.650(a)] [40 CFR 63.642(k)] [40 CFR 63.642(i)] {40 CFR 63.4(a)(1)} {40 CFR 63.4(a)(2)} ----- {PSCAA Reg. III: 2.02} {WAC 173-400-075} <i>Not federally enforceable</i>	4/6/06 2/28/97 10/28/09 10/28/09 10/28/09 10/28/09 4/5/02 4/5/02 ----- 9/26/02 6/8/07	The Periodic Report shall include: - Each instance of a nonvapor-tight gasoline cargo tank loading at the facility in which US Oil failed to take steps to assure that such cargo tank would not be reloaded at the facility before vapor tightness documentation for that cargo tank was obtained; and - Each reloading of a nonvapor-tight gasoline cargo tank at the facility before vapor tightness documentation for that cargo tank is obtained by the facility in accordance with §63.422(c)(2) (see II.F.226).

Req. No.	Requirement	Adoption or Effective Date	Requirement Paraphrase
Subpart CC Equipment Leaks			
<b>V.P.21</b>	40 CFR 60.487(c) 40 CFR 63.655(d)(1) [40 CFR 63.642(k)] [40 CFR 63.642(i)] {40 CFR 63.4(a)(1)} {40 CFR 63.4(a)(2)} ----- {PSCAA Reg. III: 2.02} {WAC 173-400-075} <i>Not federally enforceable</i>	10/17/00 10/28/09 10/28/09 10/28/09 4/5/02 4/5/02 ----- 9/26/02 6/8/07	For each month during the semiannual reporting period, the Periodic Report shall include: - The process unit identification; - The number of valves for which leaks were detected as described in §60.482-7(b) or §60.483-2 (see II.F.63, II.F.69, II.F.70) ; - The number of valves for which leaks were not repaired as required in §60.482-7(d)(1) (see II.F.65); - The number of pumps for which leaks were detected as described in §60.482-2(b) (see II.F.75, II.F.76); - The number of pumps for which leaks were not repaired as required in §60.482-2(c)(1) (see II.F.77); - The facts that explain each delay of repair and, where appropriate, why a process unit shutdown was technically infeasible; - The dates of process unit shutdowns which occurred within the semiannual reporting period; and - Any revisions to items reported in the Notification of Compliance Status Report or subsequent revisions to the initial report.

Req. No.	Requirement	Adoption or Effective Date	Requirement Paraphrase
<b>Subpart CC Heat Exchange Systems</b>			
(Note: Requirement V.P.22 from 40 CFR Part 63, Subpart CC, apply to heat exchange systems [including the cooling tower, all heat exchangers that are serviced by that cooling tower, and all water lines to and from the heat exchanger(s)] associated with petroleum refining process units that contact $\geq 5\%$ by wt. HAP. These requirements do not apply to heat exchangers that operate with the minimum pressure on the cooling water side $\geq 5$ psi than the maximum pressure on the process side, or to heat exchangers that employ an intervening cooling fluid containing $< 5\%$ by wt total HAP that serves to isolate the cooling water from the process fluid and is not sent through a cooling tower or discharged. The compliance date for these requirements is 10/29/12.)			
<b>V.P.22</b>	40 CFR 63.655(g)(9) [40 CFR 63.655(e)(2)] [40 CFR 63.650(a)] [40 CFR 63.642(k)] [40 CFR 63.642(i)] { 40 CFR 63.4(a)(1) } { 40 CFR 63.4(a)(2) } ----- { PSCAA Reg. III: 2.02 } { WAC 173-400-075 } <i>Not federally enforceable</i>	10/28/09 10/28/09 10/28/09 10/28/09 10/28/09 4/5/02 4/5/02 ----- 9/26/02 6/8/07	The Periodic Report shall include: (i) The number of heat exchange systems in HAP service. (ii) The number of heat exchange systems in HAP service found to be leaking. (iii) A summary of the monitoring data that indicate a leak, including the number of leaks determined to be equal to or greater than the leak definitions specified in §63.654(c)(2) (see II.F.82); (iv) If applicable, the date a leak was identified, the date the source of the leak was identified, and the date of repair; (v) If applicable, a summary of each delayed repair, including the original date and reason for the delay and the date of repair, if repaired during the reporting period; and (vi) If applicable, an estimate of VOC emissions for each delayed repair over the reporting period.



Req. No.	Requirement	Adoption or Effective Date	Requirement Paraphrase
<b>Subpart UUU Sulfur Recovery Units &amp; Reformers</b>			
(Note: Requirements V.P.23 - V.P.27 from 40 CFR Part 63, Subpart UUU applies to each sulfur recovery unit and the tail gas treatment unit serving it, except sulfur recovery units that do not recover elemental sulfur or where the modified reaction is carried out in a water solution which contains a metal ion capable of oxidizing the sulfide ion to sulfur (e.g., the LO-CAT II process). At the time of permit renewal (7/22/10), this included SRU-2. The semiannual report under V.P.26 is not required if all of the information is submitted with the monthly CEMS reports required under V.P.6.)			
<b>V.P.23</b>	40 CFR 63.1575(c) [40 CFR 63.1568(c)(1)] {40 CFR 63.4(a)(1)} {40 CFR 63.4(a)(2)} ----- {PSCAA Reg. III: 2.02} {WAC 173-400-075} <i>Not federally enforceable</i>	4/11/02 4/11/02 4/5/02 4/5/02 ----- 9/26/02 6/8/07	The Compliance Report shall include: (1) Company name and address. (2) Statement by a responsible official, with that official's name, title, and signature, certifying the accuracy of the content of the report. (3) Date of report and beginning and ending dates of the reporting period. (4) If there are no deviations from any emission limitation that applies to you and there are no deviations from the requirements for work practice standards, a statement that there were no deviations from the emission limitations or work practice standards during the reporting period and that no continuous emission monitoring system or continuous opacity monitoring system was inoperative, inactive, malfunctioning, out-of-control, repaired, or adjusted.
<b>V.P.24</b>	40 CFR 63.1575(h) {40 CFR 63.4(a)(1)} {40 CFR 63.4(a)(2)} ----- {PSCAA Reg. III: 2.02} {WAC 173-400-075} <i>Not federally enforceable</i>	4/11/02 4/5/02 4/5/02 ----- 9/26/02 6/8/07	When actions taken to respond to startups, shutdowns, and malfunctions are not consistent with the SSMP, the Compliance Report shall include these events and the response taken.

Req. No.	Requirement	Adoption or Effective Date	Requirement Paraphrase
<b>V.P.25</b>	40 CFR 63.1575(d) [40 CFR 63.1570(f)] {40 CFR 63.4(a)(1)} {40 CFR 63.4(a)(2)} ----- {PSCAA Reg. III: 2.02} {WAC 173-400-075} <i>Not federally enforceable</i>	4/11/02 4/20/06 4/5/02 4/5/02 ----- 9/26/02 6/8/07	For each deviation from an emission limitation and for each deviation from the requirements for work practice standards that occurs at an affected source where you are <i>not</i> using a CEMS to comply with the emission limitation or work practice standard in this subpart, the Compliance Report shall include (1) The total operating time of each affected source during the reporting period. (2) Information on the number, duration, and cause of deviations (including unknown cause, if applicable), as applicable, and the corrective action taken. (3) Information on the number, duration, and cause for monitor downtime incidents (including unknown cause, if applicable, other than downtime associated with zero and span and other daily calibration checks).

Req. No.	Requirement	Adoption or Effective Date	Requirement Paraphrase
<b>V.P.26</b>	40 CFR 63.1575(e) [40 CFR 63.1570(f)] {40 CFR 63.4(a)(1)} {40 CFR 63.4(a)(2)} ----- {PSCAA Reg. III: 2.02} {WAC 173-400-075} <i>Not federally enforceable</i>	4/11/02 4/20/06 4/5/02 4/5/02 ----- 9/26/02 6/8/07	For each deviation from an emission limitation occurring at an affected source where you are using a CEMS to comply with the emission limitation, the Compliance Report shall include: (1) The date and time that each malfunction started and stopped. (2) The date and time that each CEMS was inoperative, except for zero (low-level) and high-level checks. (3) The date and time that each CEMS was out-of-control, including the start and end dates and hours and descriptions of corrective actions taken. (4) The date and time that each deviation started and stopped, and whether each deviation occurred during a period of startup, shutdown, or malfunction or during another period. (5) A summary of the total duration of the deviation during the reporting period (in hours), and the total duration as a percent of the total source operating time during that reporting period. (6) A breakdown of the total duration of the deviations during the reporting period and into those that are due to startup, shutdown, control equipment problems, process problems, other known causes, and other unknown causes. (7) A summary of the total duration of downtime for the CEMS during the reporting period (in hours), and the total duration of downtime for the CEMS as a percent of the total source operating time during that reporting period. (8) A breakdown of the total duration of downtime for the CEMS during the reporting period into periods that are due to monitoring equipment malfunctions, non-monitoring equipment malfunctions, QA/QC calibrations, other known causes, and other unknown causes. (9) An identification of each HAP that was monitored at the affected source. (10) A brief description of the process units. (11) The monitoring equipment manufacturer(s) and model number(s). (12) The date of the latest certification or audit for CEMS. (13) A description of any change in the CEMS, processes, or controls since the last reporting period.

Req. No.	Requirement	Adoption or Effective Date	Requirement Paraphrase
<b>V.P.27</b>	40 CFR 63.1575(f) [40 CFR 63.1570(f)] {40 CFR 63.4(a)(1)} {40 CFR 63.4(a)(2)} ----- {PSCAA Reg. III: 2.02} {WAC 173-400-075} <i>Not federally enforceable</i>	4/11/02 4/20/06 4/5/02 4/5/02 ----- 9/26/02 6/8/07	The Compliance Report shall include a copy of any performance test done during the reporting period on any affected unit. The report may be included in the next semiannual report. The copy must include a complete report for each test method used for a particular kind of emission point tested. For additional tests performed for a similar emission point using the same method, you shall submit the results and any other information required, but a complete test report is not required. A complete test report contains a brief process description; a simplified flow diagram showing affected processes, control equipment, and sampling point locations; sampling site data; description of sampling and analysis procedures and any modifications to standard procedures; QA procedures; record of operating conditions during the test; record of preparation of standards; record of calibrations; raw data sheets for field sampling; raw data sheets for field and laboratory analyses; documentation of calculations; and any other information required by the test method.

Req. No.	Requirement	Adoption or Effective Date	Requirement Paraphrase
<b>Subpart ZZZZ Internal Combustion Engines</b>			
(Note: Requirement V.P.28 from 40 CFR Part 63, Subpart ZZZZ, applies to stationary RICE with a site rating $\leq 500$ bhp for which construction or reconstruction commenced before 6/12/06. At the time of permit renewal (7/22/10), this included J-250, which is rated at 185 bhp. Per 40 CFR 63.6650(b)(1), the first Compliance Report shall cover the period 5/3/13 through 6/30/13.)			
<b>V.P.28</b>	40 CFR 63.6650 {40 CFR 63.4(a)(1)} {40 CFR 63.4(a)(2)} ----- {PSCAA Reg. III: 2.02} {WAC 173-400-075} <i>Not federally enforceable</i>	3/3/10 4/5/02 4/5/02 ----- 9/26/02 6/8/07	The Compliance Report shall include: - Company name and address; - Statement by a responsible official with that official's name, title, and signature, certifying the truth, accuracy, and completeness of the content of the report; - Date of report and beginning and ending dates of the reporting period; - The number, duration, and a brief description for each type of malfunction which occurred during the reporting period and which caused or may have caused any applicable emission limitation to be exceeded. The report must also include a description of actions taken by US Oil during a malfunction of an affected source to minimize emissions in accordance with §63.6605(b) (see II.H.5), including actions taken to correct a malfunction. - If there are no deviations from any emission or operating limits, a statement that there were no deviations from the emission or operating limits during the reporting period. - For each deviation from an emission limit or operating limit during the reporting period, the total operating time of the stationary RICE at which the deviation occurred during the reporting period, and information on the number, duration, and cause of deviations (including unknown cause, if applicable), as applicable, and the corrective action taken.

Req. No.	Requirement	Adoption or Effective Date	Requirement Paraphrase
<b>Startup, Shutdown &amp; Malfunction Plans (Subparts CC, UUU and ZZZZ)</b>			
<b>V.P.29</b>	40 CFR 63.10(d)(5)(i) 40 CFR 63.6(e)(3)(iii) 40 CFR 63.655(h)(1) [40 CFR 63.642(k)] [40 CFR 63.642(i)] [40 CFR 63.1575(h)(1)] [40 CFR 63.6650(a)] {40 CFR 63.4(a)(1)} {40 CFR 63.4(a)(2)} ----- {PSCAA Reg. III: 2.02} {WAC 173-400-075} <i>Not federally enforceable</i>	4/20/06 4/20/06 10/28/09 10/28/09 10/28/09 4/11/02 3/3/10 4/5/02 4/5/02 ----- 9/26/02 6/8/07	For actions taken during a startup or shutdown (that caused the source to exceed any applicable emission limitation), or malfunction (including actions taken to correct a malfunction) that are consistent with the procedures specified in the SSMP, the semiannual MACT reports shall include: - The name, title, and signature of the owner or operator or other responsible official who is certifying that the actions taken were consistent with the SSMP; - The number, duration, and a brief description of each startup, shutdown, or malfunction.
<b>V.P.30</b>	40 CFR 63.10(d)(5)(ii) 40 CFR 63.655(h)(1) [40 CFR 63.642(k)] [40 CFR 63.642(i)] {40 CFR 63.4(a)(1)} {40 CFR 63.4(a)(2)} ----- {PSCAA Reg. III: 2.02} {WAC 173-400-075} <i>Not federally enforceable</i>	4/20/06 10/28/09 10/28/09 10/28/09 4/5/02 4/5/02 ----- 9/26/02 6/8/07	For actions taken during a startup or shutdown (that caused the source to exceed any applicable emission limitation), or malfunction (including actions taken to correct a malfunction) that are <i>not</i> consistent with the procedures specified in the SSMP, the Periodic Report <i>for Subpart CC</i> shall include: - The actions taken for that event; - An explanation of the circumstances of the event; - The reasons for not following the SSMP; - Whether any excess emissions and/or parameter monitoring exceedances are believed to have occurred; and - The name, title, and signature of the owner or operator or other responsible official who is certifying its accuracy.
<b>V.P.31</b>	40 CFR 63.6(e)(3)(viii) [40 CFR 63.1570(d)] {40 CFR 63.4(a)(1)} {40 CFR 63.4(a)(2)} ----- {PSCAA Reg. III: 2.02} {WAC 173-400-075} <i>Not federally enforceable</i>	4/20/06 4/20/06 4/5/02 4/5/02 ----- 9/26/02 6/8/07	Shall report each revision to the SSMP.

## ANNUAL

Except for the emission statement, all of the following reports and compliance certifications shall cover the periods January 1-December 31 and shall be submitted no later than February 28<sup>th</sup>.

Req. No.	Requirement	Adoption or Effective Date	Requirement Paraphrase
Certification of Compliance			
V.P.32	WAC 173-401-630(5) {PSCAA Reg. I: 7.05}	11/4/93 10/28/93	<p>US Oil shall submit a certification of compliance with permit terms and conditions <b>once per yr.</b> Each certification shall include:</p> <ul style="list-style-type: none"> <li>- The identification of each term or condition of the permit that is the basis of the certification;</li> <li>- The compliance status;</li> <li>- Whether compliance was continuous or intermittent; and</li> <li>- The method(s) used for determining the compliance status of the source, currently and over the reporting period. These methods shall be consistent with the permit Monitoring and Recordkeeping Methods.</li> </ul> <p>All compliance certifications shall be submitted to EPA Region 10 and to PSCAA, at the following addresses, within 60 days after the close of the period covered by the certification:</p> <p>PSCAA  1904 Third Ave, Suite 105  Seattle, WA 98101  Attn.: Operating Permit Certification</p> <p>EPA Region 10  OAQ-107  1200 Sixth Ave  Seattle, WA 98101  Attn.: Air Operating Permits</p>

Req. No.	Requirement	Adoption or Effective Date	Requirement Paraphrase
Benzene NESHAP Reports			
V.P.33	40 CFR 61.357(c)	10/17/00	<p>Shall report any updates the information listed in §61.357(a)(1) through (a)(3) (the initial report information shown below). The report shall be submitted <b>annually</b>. If the information is unchanged in the following yr, US Oil may submit a statement to that effect.</p> <ul style="list-style-type: none"> <li>- The total annual benzene quantity from facility waste determined in accordance with §61.355(a);</li> <li>- A table identifying each waste stream and whether or not the waste stream will be controlled for benzene emissions in accordance with the requirements of this subpart; and</li> <li>- For each waste stream identified as not being controlled for benzene emissions in accordance with the requirements of this subpart the following information shall be added to the table: <ul style="list-style-type: none"> <li>- Whether or not the water content of the waste stream is &gt;10%;</li> <li>- Whether or not the waste stream is a process wastewater stream, product tank drawdown, or landfill leachate;</li> <li>- Annual waste quantity for the waste stream;</li> <li>- Range of benzene concentrations for the waste stream;</li> <li>- Annual avg. flow-weighted benzene concentration for the waste stream; and</li> <li>- Annual benzene quantity for the waste stream.</li> </ul> </li> </ul>
	40 CFR 61.357(a)(1)	10/17/00	
	40 CFR 61.357(a)(2)	10/17/00	
	40 CFR 61.357(a)(3)	10/17/00	
	40 CFR 61.355(a)(4)(i)	10/17/00	
	[40 CFR 61.05(d)]	11/7/85	
	{40 CFR 61.05(c)}	11/7/85	
	-----	-----	
	{PSCAA Reg. III: 2.02}	9/26/02	
	{WAC 173-400-075}	6/8/07	
	<i>Not federally enforceable</i>		



Req. No.	Requirement	Adoption or Effective Date	Requirement Paraphrase
<b>V.P.34</b>	40 CFR 61.10(c) 40 CFR 61.10(a) [40 CFR 61.05(d)] {40 CFR 61.05(c)} ----- {PSCAA Reg. III: 2.02} {WAC 173-400-075} <i>Not federally enforceable</i>	3/16/94 3/16/94 11/7/85 11/7/85 ----- 9/26/02 6/8/07	Shall report any change in the information provided under §61.10(a) (the initial report submitted in 1993 which included the following information) within 30 days after the change. - Name and address of US Oil; - Location of the source; - Type of hazardous pollutants emitted by the stationary source; - The nature, size, design, and method of operation of the stationary source including the operating design capacity of the source; - The avg. wt. per month of the hazardous materials being processed by the source, over the last 12 months preceding the date of the report; - A description of the existing control equipment for each emission point including, each control device for each hazardous pollutant; and the estimated control efficiency for each control device; and - A statement by US Oil as to whether the source can comply with the standards within 90 days after the effective date.
<b>Emission Reports</b>			
<b>V.P.35</b>	PSCAA Reg. I: 7.09(a) PSCAA Reg. III: 1.11(b) ----- PSCAA Reg. I: 7.09(a) <i>Not federally enforceable</i>	9/10/98 12/12/96 ----- 9/25/08	Shall report <b>annually</b> to PSCAA the emission of air contaminants during the previous yr that equal or exceed the following (ton/yr): CO – 25 NO <sub>x</sub> – 25 SO <sub>x</sub> – 25 VOC – 25 PM <sub>10</sub> – 25 TAC – 6 (total), 2 (individual) Annual emissions rates shall be reported to the nearest whole ton/yr for only those contaminants that equal or exceed the above thresholds. Shall submit to PSCAA any additional information required by §1.11 or WAC 173-400-105(1).

### **V.Q. 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 US Oil 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 US Oil took all reasonable steps to minimize levels of emissions that exceeded the emission standards or other requirements in the permit; and
4. US Oil 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 shall contain a description of the emergency, any steps taken to mitigate emissions, and corrective actions taken.

In any enforcement proceeding, US Oil 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]

***V.R. 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 US Oil wants the Puget Sound Clean Air Agency to consider unavoidable and excusable under WAC 173-400-107, US Oil shall submit the information required under WAC 173-400-107. [WAC 173-400-107(2), 9/20/93]

***V.S. Need to halt or reduce activity not a defense***

It shall not be a defense for US Oil 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]

***V.T. Stratospheric ozone and climate protection***

1. US Oil shall comply with the following standards for recycling and emissions reduction pursuant to 40 CFR Part 82, Subpart F, except as provided for motor vehicle air conditioners in Subpart B:
  - i) Persons opening appliances for maintenance, service, repair, or disposal shall comply with the required practices pursuant to 40 CFR 82.156;
  - ii) Equipment used during the maintenance, service, repair, or disposal of appliances shall 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 shall be certified by an approved technician certification program pursuant to 40 CFR 82.161.

[40 CFR 82.156, 5/11/04; 40 CFR 82.158, 9/18/03; 40 CFR 82.161, 3/12/04]

- 2. US Oil 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, 1/13/95]
- 3. Any certified technician employed by US Oil shall keep a copy of their certification at their place of employment. [40 CFR 82.166(l), 1/11/05]
- 4. US Oil shall not willfully release any regulated refrigerant and shall use refrigerant extraction equipment to recover regulated refrigerant when servicing, repairing or disposing of commercial air conditioning, heating, or refrigeration systems. [40 CFR 82.154, 4/13/05] [RCW 70.94.970(2) and (4), 1991 c199 §602; *Not federally enforceable*]

**V.U. 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] [Puget Sound Clean Air Agency Regulation I, Section 3.04(g), 3/25/04; *Not federally enforceable*]

**V.V. Risk management programs**

In accordance with 40 CFR Part 68, if US Oil has or receives more than a threshold quantity of a regulated substance in a process, as determined under 40 CFR 68.115, US Oil 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, 1/6/99]

**V.W. 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]

**V.X. 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, US Oil shall promptly submit such supplementary facts or corrected information to the Puget Sound Clean Air Agency. [WAC 173-401-500(6), 10/17/02]

**V.Y. Insignificant emission units and activities**

1. Insignificant emission units and activities at US Oil are subject to all applicable requirements set forth in Sections I through IV of this permit. This permit does not require testing, monitoring, reporting or recordkeeping for insignificant emission units or activities, except as required by II.A.13, II.D.1, II.H.1, and II.I.1. [WAC 173-401-530(2)(c), 6/17/94]
2. Where this permit does not require testing, monitoring, recordkeeping and reporting for insignificant emissions units or activities, US Oil 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, US Oil 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]
4. The permit shield described in WAC 173-401-640 shall not apply to any insignificant emission unit or activity designated under WAC 173-401-530. [WAC 173-401-530(3), 10/17/02]

**V.Z.      *Rendering Monitoring Devices or Methods Inaccurate***

US Oil shall not render inaccurate any monitoring device or method required under chapter 70.94 RCW, or any ordinance, resolution, regulation, permit, or order in force pursuant thereto. [WAC 173-400-105(8), 8/21/98, *Not federally enforceable*]

**V.AA.    *False Material Statement, Representation or Certification***

US Oil shall not make any false material statement, representation or certification in any form, notice, or report required under chapter 70.94 RCW, or any ordinance, resolution, regulation, permit, or order in force pursuant thereto. [WAC 173-400-105(7), 6/8/07, *Not federally enforceable*]

## **VI. PERMIT ACTIONS**

### ***VI.A. Permit Renewal, Revocation and Expiration***

- (1) **Renewal application.** US Oil shall submit a complete permit renewal application to PSCAA no later than 12 months prior to the expiration of this permit. PSCAA will send US Oil a renewal application no later than 18 months prior to the expiration of this permit. [WAC 173-401-710(1), 10/17/02; WAC 173-401-500(2), 10/17/02]
- (2) **Expired permits.** Permit expiration terminates US Oil'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.** PSCAA may revoke a permit only upon the request of US Oil or for cause. PSCAA shall provide at least thirty days written notice to US Oil 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 US Oil an opportunity to meet with PSCAA prior to PSCAA'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 US Oil satisfies the specified conditions before the effective date. Nothing in this subsection shall limit PSCAA's authority to issue emergency orders. [WAC 173-401-710(4), 10/17/02]

### ***VI.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 US Oil;
  - c) Requires more frequent monitoring or reporting by US Oil;
  - d) Allows for a change in ownership or operational control of a source where PSCAA 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 PSCAA;
  - 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 PSCAA consistent with the following:
- a) PSCAA 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) PSCAA shall submit a copy of the revised permit to EPA.
  - c) US Oil 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.** PSCAA 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]

#### ***VI.C. Changes not Requiring Permit Revisions***

- (1) **General.**

- a) US Oil is authorized to make the changes described in this section without a permit revision, providing the following conditions are met:
  - i) The proposed changes are not Title I modifications as defined in WAC 173-401-200;
  - ii) The proposed changes do not result in emissions which 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) US Oil provides EPA and PSCAA 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. US Oil and PSCAA 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, US Oil is 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, US Oil 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 US Oil will comply using the emissions trading provisions of the Washington state implementation plan, and the pollutants emitted subject to the emissions trade. The notice shall also refer to the provisions with which US Oil will comply in the applicable implementation plan and that provide for the emissions trade.
- b) The permit shield described in WAC 173-401-640 shall not extend to any change made under this paragraph. Compliance with the permit requirements that US Oil will meet using the emissions trade shall be determined according to requirements of the applicable implementation plan authorizing the emissions trade.

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

**VI.D. Off-Permit Changes**

- (1) US Oil 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 shall 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) US Oil shall provide contemporaneous written notice to PSCAA 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) US Oil shall keep a record describing changes made at US Oil 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, US Oil shall comply with applicable preconstruction review requirements established pursuant to RCW 70.94.152 and PSCAA Regulation I, Article 6.

[WAC 173-401-724, 11/4/93]



**VI.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 US Oil has assumed to avoid an applicable requirement to which US Oil 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 WAC 173-401-725(2)(a)(i) and WAC 173-401-725(3)(a), PSCAA may allow the use of minor permit modification procedures for permit modifications involving the use of economic incentives, marketable permits, emissions trading, and other similar approaches, to the extent that the use of such minor permit modification procedures are explicitly provided for in the Washington state implementation plan or in applicable requirements promulgated by EPA and in effect on April 7, 1993.
- b) Application. An application requesting the use of minor permit modification procedures shall meet the requirements of WAC 173-401-510 and shall include the following:
  - i) A description of the change, the emissions resulting from the change, and any new applicable requirements that will apply if the change occurs;
  - ii) US Oil'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 PSCAA to use to notify EPA and affected states as required under WAC 173-401-810 and 173-401-820.
  - c) US Oil's ability to make change. US Oil may make the change proposed in its minor permit modification application immediately after it files such application provided that those changes requiring the submissions of a notice of construction application have been reviewed and approved by PSCAA. After US Oil makes the change allowed by the preceding sentence, and until PSCAA takes any of the actions specified in WAC 173-401-725(d), US Oil shall comply with both the applicable requirements governing the change and the proposed permit terms and conditions. During this time period, US Oil need not comply with the existing permit terms and conditions it seeks to modify. However, if US Oil 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), PSCAA 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 US Oil 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. PSCAA 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]

#### ***VI.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 US Oil 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) PSCAA or EPA determines 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) PSCAA or EPA determines that the permit shall 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 US Oil by PSCAA at least thirty days in advance of the date that the permit is to be reopened, except that PSCAA 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 shall be deemed compliance with any applicable requirements contained in Sections I through VI of this permit that are specifically identified in this permit as of the date of permit issuance. [WAC 173-401-640(1), 11/4/93]

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 US Oil for any violation of applicable requirements prior to or at the time of permit issuance;
- (3) The applicable requirements of the acid rain program, consistent with Section 408(a) of the FCAA;
- (4) The ability of EPA to obtain information from a source pursuant to Section 114 of the FCAA; or
- (5) The ability of the Puget Sound Clean Air Agency to establish or revise requirements for the use of reasonably available control technology (RACT) as provided in chapter 252, Laws of 1993.

[WAC 173-401-640(4), 11/4/93]

## VIII. INAPPLICABLE REQUIREMENTS

The inapplicable requirements in Section V.III of the permit are in a tabular format. The first column is used as an identifier for the requirement. The second and third columns in the following table cite the requirements and their adoption or effective dates, respectively. Inapplicable requirements that are *not federally enforceable* are grouped together and listed underneath a dashed line. The fourth column describes the requirement. The fifth column specifies why the requirement is not applicable to US Oil.

As of the date of permit renewal (7/22/10), the requirements listed below do not apply to US Oil, or to the specific emissions units specified below for the reasons indicated. The permit shield applies to all requirements so identified. [WAC 173-401-640(2), 11/4/93; PSCAA Reg. I: 7.05, 10/28/93]

Req. No.	Inapplicable Requirement	Adoption or Effective Date	Description	Reason for Inapplicability
<b>Fugitive Dust (Particulate Matter)</b>				
<b>VIII.A.1</b>	WAC 173-400-040(8)(b) WAC 173-400-040(3)(b) ----- WAC 173-400-040(8)(b) WAC 173-400-040(3)(b) <i>Not federally enforceable</i>	9/20/93 9/20/93 ----- 2/10/05 2/10/05	Fugitive Dust RACT Requirements	US Oil has not been identified as a "significant contributor to a PM10 nonattainment area"
<b>Boilers (Particulate Matter, SO<sub>2</sub>, NO<sub>x</sub>)</b>				
<b>VIII.A.2</b>	40 CFR Part 60, Subpart Db	10/17/00	Standards of Performance for Industrial-Commercial-Institutional Steam Generating Units	US Oil does not have any steam generating units with a heat input capacity >100 MMBtu/hr for which construction, reconstruction, or modification commenced after 6/19/84.
<b>VIII.A.3</b>	40 CFR Part 60, Subpart Dc	10/17/00	Standards of Performance for Industrial-Commercial-Institutional Steam Generating Units	US Oil does not have any steam generating units with a heat input capacity 10-100 MMBtu/hr for which construction, reconstruction, or modification commenced after 6/9/89.

Req. No.	Inapplicable Requirement	Adoption or Effective Date	Description	Reason for Inapplicability
<b>Claus Sulfur Recovery Unit (SO<sub>2</sub>)</b>				
<b>VIII.A.4</b>	40 CFR 60.104(a)(2), 40 CFR 60.105(a)(5), 40 CFR 60.105(e)(4), 40 CFR 60.106(f)	6/24/08 6/24/08 6/24/08 6/24/08	Standards of Performance for Petroleum Refineries	The Claus unit is not subject to these NSPS requirements because it's design capacity for sulfur feed is <20 long tons per day.
<b>Fuel Gas H<sub>2</sub>S (SO<sub>2</sub>)</b>				
<b>VIII.A.5</b>	40 CFR 60.107(d) 40 CFR 60.107(e) 40 CFR 60.107(f)	6/24/08 6/24/08 6/24/08	Reporting and Recordkeeping Requirements	These paragraphs (this whole section) apply only to fluid catalytic cracking unit catalyst regenerators covered by §60.104(b).
<b>Used Oil (TAC)</b>				
<b>VIII.A.6</b>	RCW 70.94.610 c319 §311 <i>Not federally enforceable</i>	1991	Burning Used Oil.	US Oil does not burn used oil.
<b>Cooling Towers (Inorganic HAP)</b>				
<b>VIII.A.7</b>	40 CFR Part 63, Subpart Q	10/17/00	National Emission Standard for Hazardous Air Pollutants for Industrial Process Cooling Towers	US Oil does not use chromium-based water treatment chemicals.
<b>Equipment Leaks (VOC and Organic HAP)</b>				
<b>VIII.A.8</b>	40 CFR Part 60, Subpart GGG	10/17/00	Standards of Performance for Equipment Leaks of VOC in Petroleum Refineries	The only process unit with equipment in VOC service subject to this standard is the Isom unit. This equipment is also in organic HAP service and is, therefore, required to comply only with the MACT standard pursuant to 40 CFR 63.640(p).

Req. No.	Inapplicable Requirement	Adoption or Effective Date	Description	Reason for Inapplicability
<b>VIII.A.9</b>	40 CFR Part 61, Subpart J (except §61.110(c))	12/14/00	National Emission Standard for Equipment Leaks (Fugitive Emission Sources) of Benzene	US Oil does not have any equipment that could conceivably contain ≥10% benzene by weight.
<b>VIII.A.10</b>	40 CFR Part 61, Subpart V (except §61.246(i))	12/14/00	National Emission Standard for Equipment Leaks (Fugitive Emission Sources)	US Oil has equipment that contains ≥10% VHAP by wt. in the reforming units, but is not subject to this subpart because it is not subject to Part 61, Subpart J (see §61.240(b)).
<b>Flares for Pumps, PRVs, Reformers (HAP)</b>				
<b>VIII.A.11</b>	40 CFR 63.8(c)(4) 40 CFR 63.8(c)(6) 40 CFR 63.8(d) 40 CFR 63.8(e)	4/5/02	monitoring frequency CD checks QC program performance evaluations	Flares subject to §63.11(b) are exempt pursuant to §63.8(b)(1)(iii), unless otherwise specified in the relevant standard. Table 44 of Subpart UUU and Table 6 of Subpart CC specify that these provisions are inapplicable.
<b>VIII.A.12</b>	40 CFR 63.655(f)(4)	10/28/09	Records of Continuous Monitoring System Performance Evaluations	Flare pilot sensors are exempted from CMS requirements pursuant to §63.8(b)(1)(iii), unless otherwise specified in the relevant standard. Table 6 of Subpart CC specifies that the performance evaluation under §63.8(e) is inapplicable.
<b>Storage Tanks (VOC and Organic HAP)</b>				
<b>VIII.A.13</b>	40 CFR Part 60, Subpart K	10/17/00	Standards of Performance for Storage Tanks for Petroleum Liquids	US Oil does not have any petroleum liquid storage tanks >40,000 gal capacity for which construction, reconstruction, or modification commenced between 6/11/73 and 5/19/78.

Req. No.	Inapplicable Requirement	Adoption or Effective Date	Description	Reason for Inapplicability
<b>VIII.A.14</b>	40 CFR 60.13	2/6/01	Monitoring Requirements	A continuous monitoring system is not required under Subpart Kb (§§60.113b(c) and 60.116b) for the vapor combustor or Subpart UU (§60.473) for asphalt tank demisters. <i>Note: this is an applicable requirement for fuel gas combustion devices under Subparts J.</i>
<b>VIII.A.15</b>	40 CFR 63.8(c)(4) 40 CFR 63.8(c)(6) 40 CFR 63.8(d) 40 CFR 63.8(e)	4/5/02	monitoring frequency CD checks QC program performance evaluations	A continuous monitoring system is not required by Subpart CC (§63.120(d)(2)) for the vapor combustor. Requirements for Subpart Kb tanks would also supersede pursuant to §63.640(n)(8). Table 6 of Subpart CC specifies that storage tanks aren't subject to these provisions.
<b>VIII.A.16</b>	40 CFR 63.655(f)(4)	10/28/09	Records of Continuous Monitoring System Performance Evaluations	A continuous monitoring systems is not required by Subpart CC (§63.120) for the vapor combustor. Requirements for Subpart Kb tanks would also supersede pursuant to §63.640(n)(8). Table 6 of Subpart CC specifies that the performance evaluation under §63.8(e), performance evaluations, is inapplicable.
<b>VIII.A.17</b>	40 CFR 60.502(i)	2/12/99	Not equip the closed vent system for the storage tanks and gasoline tank truck loading rack with pressure-relief vents set to open at <18" of water gauge.	The vapor combustor is activated at 2.5" water gauge and an alarm sounds if the pressure reaches 3", triggering an investigation. The tanks must be equipped with pressure relief vents set to open at >3.5" for safety reasons.



Req. No.	Inapplicable Requirement	Adoption or Effective Date	Description	Reason for Inapplicability
<b>Gasoline Truck Loading Rack (VOC and Organic HAP)</b>				
<b>VIII.A.18</b>	40 CFR Part 60, Subpart XX (except as required under 40 CFR 63.650)	10/17/00	Standards of Performance for Bulk Gasoline Terminals	US Oil does not have any gasoline truck loading racks for which construction, reconstruction, or modification commenced after 12/17/80.
<b>VIII.A.19</b>	40 CFR 63.422(b)	12/19/03	Shall use a vapor recovery system for the gasoline truck loading rack that limits VOC emissions to $\leq 10$ mg/l of gasoline transferred.	There is no emission point or control device for the truck loading rack. Instead, a vapor balance system is used. The efficiency of the control device for the storage tanks does not affect the performance of the vapor balance system for the loading rack. The operation of the loading rack does not activate the control device for the storage tanks except (possibly) when diesel is loaded from a floating roof tank.
<b>VIII.A.20</b>	40 CFR 60.503(a) 40 CFR 60.503(b) 40 CFR 60.503(c) 40 CFR 60.503(d)(2)	12/9/03 12/9/03 12/9/03 12/9/03	Test Methods and Procedures	These methods are for an emission standard that does not apply.
<b>VIII.A.21</b>	40 CFR 63.425(a) 40 CFR 63.425(b) 40 CFR 63.425(c)	12/19/03 12/19/03 12/19/03	Test Methods and Procedures	These methods are for an emission standard that does not apply.
<b>VIII.A.22</b>	40 CFR 63.427(a)(3) 40 CFR 63.427(b)	12/19/03 12/19/03	Continuous Monitoring	There is no emission point to monitor.
<b>VIII.A.23</b>	40 CFR 63.428(c) 40 CFR 63.428(h)(1)	4/6/06 4/6/06	Reporting and Recordkeeping for continuous monitoring data	There is no emission point to monitor.

Req. No.	Inapplicable Requirement	Adoption or Effective Date	Description	Reason for Inapplicability
<b>VIII.A.24</b>	PSCAA. Reg. II: 2.05(c)	12/9/93	Shall use a vapor recovery system that limits VOC emissions to $\leq 35$ mg/l of gasoline transferred	There is no emission point or control device for the truck loading rack. Instead, a vapor balance system is used. The efficiency of the control device for the storage tanks does not affect the performance of the vapor balance system for the loading rack. The operation of the loading rack does not activate the control device for the storage tanks except (possibly) when diesel is loaded from a fixed roof tank not connected to the vapor balance system (i.e., TK-45001, or TK-28001).
<b>VIII.A.25</b>	WAC 173-491-040(2)(c)(i) <i>Not federally enforceable</i>	1/23/98	Shall use a vapor recovery system that limits VOC emissions to $\leq 35$ mg/l of gasoline transferred	There is no emission point or control device for the truck loading rack. Instead, a vapor balance system is used. The efficiency of the control device for the storage tanks does not affect the performance of the vapor balance system for the loading rack. The operation of the loading rack does not activate the control device for the storage tanks except (possibly) when diesel is loaded from a fixed roof tank not connected to the vapor balance system (i.e., TK-45001, or TK-28001).

Req. No.	Inapplicable Requirement	Adoption or Effective Date	Description	Reason for Inapplicability
<b>VIII.A.26</b>	PSCAA. Reg. II: 2.05(d)	12/9/93	Shall use a CEMS meeting the requirements of Reg. I., Article 12	There is no emission point or control device for the truck loading rack. Instead, a vapor balance system is used. The efficiency of the control device for the storage tanks does not affect the performance of the vapor balance system for the loading rack. The operation of the loading rack does not activate the control device for the storage tanks except (possibly) when diesel is loaded from a fixed roof tank not connected to the vapor balance system (i.e., TK-45001, or TK-28001).
<b>VIII.A.27</b>	WAC 173-491-040(2)(c)(ii) <i>Not federally enforceable</i>	1/23/98	Shall monitor the vapor control system on the gasoline tank truck loading rack	There is no emission point or control device for the truck loading rack. Instead, a vapor balance system is used. The efficiency of the control device for the storage tanks does not affect the performance of the vapor balance system for the loading rack. The operation of the loading rack does not activate the control device for the storage tanks except (possibly) when diesel is loaded from a floating roof tank.
<b>VIII.A.28</b>	WAC 173-491-040(6)(b)(ii)	1/23/98	Transport Tank Requirements	US Oil does not own or operate transport tanks.
<b>VIII.A.29</b>	PSCAA Reg. II: 2.08	7/8/99	Leaks from Gasoline Transport Tanks and Vapor Recovery Systems	US Oil does not own or operate transport tanks.
<b>Gasoline Station (VOC)</b>				
<b>VIII.A.30</b>	WAC 173-491-040(4) <i>Not federally enforceable</i>	1/23/98	Gasoline Dispensing Facility – Stage 1 requirements	The gasoline dispensing facility at US Oil does not have a throughput >200,000 gal/yr and its tanks were installed prior to 1/1/79.

Req. No.	Inapplicable Requirement	Adoption or Effective Date	Description	Reason for Inapplicability
<b>VIII.A.31</b>	PSCAA Reg. II: 2.07(b) ----- PSCAA Reg. II: 2.07(b) <i>Not federally enforceable</i>	12/9/99 ----- 3/25/04	Gasoline Station – Stage 1 requirements	The gasoline station at US Oil does not have a throughput >200,000 gal/yr and its tanks were installed prior to 1/1/79.
<b>VIII.A.32</b>	PSCAA Reg. II: 2.07(c) PSCAA Reg. II: 2.07(d) ----- PSCAA Reg. II: 2.07(c) PSCAA Reg. II: 2.07(d) PSCAA Reg. II: 2.07(e) PSCAA Reg. II: 2.07(f) <i>Not federally enforceable</i>	12/9/99 12/9/99 ----- 3/25/04 3/25/04 3/25/04 3/25/04	Gasoline Station – Stage 2 requirements	The gasoline station at US Oil does not have a throughput >600,000 gal/yr and its tanks were installed prior to 8/2/91.
<b>VIII.A.33</b>	WAC 173-491-040(5) <i>Not federally enforceable</i>	1/23/98	Gasoline Dispensing Facility – Stage 2 requirements	The gasoline dispensing facility at US Oil does not have a throughput >600,000 gal/yr.
<b>Marine Terminal (Organic HAP)</b>				
<b>VIII.A.34</b>	40 CFR Part 63, Subpart Y, Sections 63.562(b) and (d)	4/20/06	NESHAP for Marine Tank Vessel Loading Operations	The marine terminal at US Oil is an existing source with emissions less than 10 and 25 tons, as defined in 40 CFR 63.560.
<b>Protection of Visibility BART</b>				
<b>VIII.A.35</b>	40 CFR Part 51, Subpart P and Appendix Y WAC 173-400-151 WAC 173-400-151	7/6/05 7/6/05 2/10/05 3/22/91	Protection of Visibility: Best Available Retrofit Technology	The active emission units installed between 8/7/62 and 8/7/77 don't have the potential to emit >250 ton/yr of any air contaminant.

Req. No.	Inapplicable Requirement	Adoption or Effective Date	Description	Reason for Inapplicability
<b>PSCAA Orders of Approval</b>				
<b>VIII.A.36</b>	PSCAA Order of Approval No. 1911	4/11/79	Light Crude Vacuum Unit heater H-201, Light Crude Unit heater H-11, Boiler B-4	Superseded by Order of Approval No. 2573. H-11 was later replaced and is now covered under Order of Approval No. 5448. B-4 and H-201 were last repermited under Order of Approval Nos. 5429 and 5432.
<b>VIII.A.37</b>	PSCAA Order of Approval No. 2046	1/4/80	Storage Tanks TK-80017, TK-80018, TK-80019	Superseded by Order of Approval No. 2046 dated 1/27/98.
<b>VIII.A.38</b>	PSCAA Order of Approval No. 2331	12/17/81	Storage Tank TK-8503	Superseded by Order of Approval No. 2331 dated 1/27/98.
<b>VIII.A.39</b>	PSCAA Order of Approval No. 2459	7/5/83	Heavy Crude Unit and Visbreaker Unit	Superseded by Order of Approval No. 2597 dated 10/30/84. Construction never commenced on the Visbreaker Unit.
<b>VIII.A.40</b>	PSCAA Order of Approval No. 2501	11/16/83	Storage Tank TK-30004	Superseded by Order of Approval No. 2501 dated 1/27/98.
<b>VIII.A.41</b>	PSCAA Order of Approval No. 2573	2/6/85	Light Crude Vacuum Unit heater H-201, Light Crude Unit heater H-11, Boilers B-4 and B-5, 2 Merox Units	Superseded by Order of Approval Nos. 5429, 5430, 5431, and 5432. H-11 was later replaced and is now covered under Order of Approval No. 5448. B-4, B-5 and H-201 were last repermited under Order of Approval Nos. 5429, 5430 and 5432. The Merox units do not require a permit.
<b>VIII.A.42</b>	PSCAA Order of Approval No. 2586	10/3/84	Heavy Crude Unit heater H-3	Contained lower ash limit for fuel oil. Superseded by Order of Approval No. 2597 dated 10/30/84.

Req. No.	Inapplicable Requirement	Adoption or Effective Date	Description	Reason for Inapplicability
<b>VIII.A.43</b>	PSCAA Order of Approval No. 2597	10/30/84	Heavy Crude Unit heater H-3	Superseded by Order of Approval No. 2597 dated 1/9/02.
<b>VIII.A.44</b>	PSCAA Order of Approval No. 2597	1/9/02	Heavy Crude Unit heater H-3	Superseded by Order of Approval No. 9143 dated 3/24/05 for use of H-3 in the LCU.
<b>VIII.A.45</b>	PSCAA Order of Approval No. 2633	3/19/85	Vacuum Ejector/Surface Condenser in Heavy Crude Unit	Superseded by Order of Approval No. 2633 dated 1/9/02.
<b>VIII.A.46</b>	PSCAA Order of Approval No. 3186	1/26/89	Storage Tanks TK-50001 and TK-50002	Construction was not commenced within 18 months. These tanks were previously proposed under Order of Approval No. 2501 dated 11/16/83.
<b>VIII.A.47</b>	PSCAA Order of Approval No. 3900	5/28/91	Fuel Oil Hydrotreater Unit heater H-901	Construction was not commenced within 18 months. This unit was replaced on 4/8/93 and is now covered by Order of Approval No. 4177 dated 1/28/98.
<b>VIII.A.48</b>	PSCAA Order of Approval No. 4177	11/20/91	Fuel Oil Hydrotreater Unit heater H-901	Superseded by Order of Approval No. 4177 dated 1/28/98.
<b>VIII.A.49</b>	PSCAA Order of Approval No. 4841	8/17/93	Vapor Combustor H-1501	Superseded by Order of Approval No. 4841 dated 1/27/98.
<b>VIII.A.50</b>	PSCAA Order of Approval No. 5431	12/22/94	Light Crude Unit heater H-11	H-11 was replaced under Order of Approval No. 5448.
<b>VIII.A.51</b>	PSCAA Order of Approval No. 5433	3/31/95	Claus Sulfur Recovery Unit SRU-2	Superseded by Order of Approval No. 5433 dated 4/10/95.
<b>VIII.A.52</b>	PSCAA Order of Approval No. 6827	1/10/97	Asphalt Flux/AC Loading Rack Mist Eliminator	Superseded by Order of Approval No. 6827 dated 10/31/00.

Req. No.	Inapplicable Requirement	Adoption or Effective Date	Description	Reason for Inapplicability
<b>VIII.A.53</b>	PSCAA Order of Approval No. 7761	4/1/99	Subpart UU Asphalt Storage Tanks TK-5001, TK-5002, TK-6001, TK6002 and two Mist Eliminators	Superseded by Order of Approval No. 7761 dated 10/31/00.
<b>VIII.A.54</b>	PSCAA Order of Approval No. 8217	1/10/97	PG Asphalt Loading Rack and Mist Eliminator	Superseded by Order of Approval No. 8217 dated 10/31/00.
<b>VIII.A.55</b>	PSCAA Order of Approval No. 9836	5/23/08	Asphalt Railcar Loading Rack	Superseded by Order of Approval No. 10053 dated 7/8/09.
<b>Registration</b>				
<b>VIII.A.56</b>	PSCAA Reg. I: Article 5	7/13/00	Registration	Requirements do not apply to operating permit sources pursuant to §5.03(a)(3) and RCW 70.94.161(17).
<b>VIII.A.57</b>	WAC 173-491-030 <i>Not federally enforceable</i>	8/2/91	Registration	Requirements do not apply to operating permit sources pursuant to RCW 70.94.161(17).
<b>Transportation Demand Management</b>				
<b>VIII.A.58</b>	RCW 70.94.531 c329 §5 <i>Not federally enforceable</i>	2006	Transportation Demand Management	US Oil does not have 100 or more full-time employees who begin their regular work day between 6:00 am and 9:00 am on weekdays for at least twelve continuous months during the year.
<b>Asphalt Processing and Asphalt Roofing Manufacturing</b>				
<b>VIII.A.59</b>	40 CFR Part 63, Subpart LLLLL	5/7/03	Asphalt Processing Facilities, Asphalt Roofing Manufacturing Facilities,	US Oil does not have any asphalt processing facilities, asphalt roofing manufacturing facilities as defined in 40 CFR 63.8698.

## **IX. NON-EPA COMPLIANCE TEST METHODS**

***IX.A. PSCAA Method 5***

***IX.B. Ecology Method 9A***