|  |  |  |
| --- | --- | --- |
| **Date** | **Original Concept** | **Mitigated Concept** |
| Existing | 0.2 gr/dscf and 40% |  |
| Proposed | 0.10 gr/dscf | * 0.10 unless the source shows test results > .080 prior to Nov. 2014 * Otherwise, standard is 0.2 through Dec. 2019 (no change) * 0.15 beginning Jan 1, 2020 * Extensions:   + Unable to comply, request a one year extension provided the owner operator submits engineering report signed by PE that demonstrates source cannot comply with standard without making significant changes to equipment, control equipment or adding control equipment. * Exceptions:   + Equipment or mode of operation < 876 hours per calendar year – stay at 0.20   + Unable to meet 0.15, owner or operator may request that DEQ set a source specific limit of 0.17 if owner or operator submits an engineering report of the optimization evaluation signed by a registered professional engineer. |
| Proposed | 20% opacity | * 40% through 2019 * 20% on or after Jan 1, 2020 * Exceptions:   + Emissions can exceed 20% for 12 minutes in an hour but must be less than 40%.   + Emissions can exceed 20% but must be less than 40%, provided the emissions occur during grate cleaning operation according to an approved grate cleaning plan.   + Source can get greater than 20% opacity if source test demonstrates that they exceed 20% and can meet the grain loading standard of 0.15 gr/dscf. |

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| **Pre-1970 Boilers > 0.10 gr/dscf** | | | |
| **Source** | **Emissions Unit** | **Test Date** | **Grain Loading** |
| Boise Cascade (Pilot Rock)  30-0016 | Early 1940s Babcock & Wilcox Dutch-oven boiler, 20,000 lb steam/hr; backup to NG fired boiler | 8/3/2004 | 0.080 |
| 7/12/2005 | 0.140 |
| 9/26/2006 | 0.170 |
| 11/8/2007 | 0.130 |
| 11/20/2008 | 0.100 |
| 10/25/2011 | 0.140 |
| Early 1940s Babcock & Wilcox Dutch-oven boiler, 20,000 lb steam/hr; backup to NG fired boiler | 7/13/2005 | 0.180 |
| 9/27/2006 | 0.160 |
| 11/8/2007 | 0.140 |
| 11/21/2008 | 0.160 |
| 12/15/2009 | 0.150 |
| 12/1/2010 | 0.190 |
| 10/24/2011 | 0.170 |
| 8,000 lb steam/hr; backup to NG fired boiler | 8/5/2004 | 0.060 |
| 7/12/2005 | 0.060 |
| 9/27/2006 | 0.100 |
| 10/25/2011 | 0.063 |
| Columbia Forest Products  18-0014 | 1939 EF Huffman Dutch oven BLR-N, 12,500 lb steam/hr | 6/20/2001 | 0.100 |
| 11/16/2007 | 0.090 |
| 11/1/2011 | 0.140 |
| 1944 C& E Dutch oven BLR-S, 35,000 lb steam/hr, w/multiclone | 6/20/2001 | 0.100 |
| 10/8/2002 | 0.170 |
| 11/4/2003 | 0.190 |
| 12/10/2004 | 0.140 |
| 11/18/2005 | 0.140 |
| 11/21/2006 | 0.140 |
| 11/15/2007 | 0.170 |
| 11/18/2008 | 0.170 |
| 11/24/2009 | 0.110 |
| 11/9/2010 | 0.080 |
| 11/2/2011 | 0.120 |
| 11/6/13 | 0.13 |
| Frank Lumber  22-2525 | 1969 Wyatt & Kipper spreader stoker boiler, 30,000 lb/hr steam, w/multiclone | 1989 | 0.19 |
| 1997 | 0.178 |
| 08/17/2004 | 0.137 |
| 08/25/2009 | 0.137 |
| **Pre-1970 Boilers > 0.10 gr/dscf** | | | |
| **Source** | **Emissions Unit** | **Test Date** | **Grain Loading** |
| Interfor Pacific  18-0005 | 1939 Wickes Dutch oven boiler, 50,000 lb/hr, w/multiclones and economizer | 3/11/1997 | 0.210 |
| 8/12/1997 | 0.125 |
| 9/23/1998 | 0.097 |
| 6/17/2004 | 0.110 |
| 9/11/2012 | 0.130 |
| 1939 Wickes Dutch oven boiler, 50,000 lb/hr, w/multiclones and economizer | 8/12/1997 | 0.196 |
| 9/23/1998 | 0.086 |
| 9/23/1999 | 0.140 |
| 3/30/2010 | 0.150 |
| 9/12/2012 | 0.130 |
| Swanson Group Roseburg  10-0030 | 1968 Kipper boilers, pin hole grate, mechanical stoker, 31,800 lb steam/hr, w/multiclone | 10/01/2010 | 0.17 |
| 10/06/2011 | 0.17 |
|  |  |  |  |
| **Post-1970 Boilers > 0.10 gr/dscf** | | | |
| **Source** | **Emissions Unit** | **Test Date** | **Grain Loading** |
| Collins (Fremont Sawmill)  19-0002 | ’75 Wickes Dutch oven, 18,000 lb/yr, w/multiclone | 4/5/2006 | 0.090 |
| 5/20/2008 | 0.130 |
| ’89 Trane-Murray Dutch oven, 24,000 lb/hr, w/multiclone | 4/6/2006 | 0.080 |
| 5/19/2008 | 0.090 |
| Prineville Sawmill  07-0021 | HFB (not operating) | 2008 | 0.16 |
| Umpqua Lumber  10-0027 | 1975 Wellons boiler, 20,000 lb/hr, w/multiclone | 11/2010 | 0.105 |
|  |  |  |  |
| **Asphalt Plants** | | | |
| Harney Rock and Paving  13-0010 | Asphalt plant | 1999 | 0.22 |
| Humbert Asphalt  37-0112 | Asphalt plant | 07/2003 | 0.11 |
| Rogers Asphalt Paving  31-0001 | Asphalt plant |  | 0.11 |

**340-208-0450**

**Particle Fallout Limitation**

**PRE-2001 LANGUAGE**

No person shall cause or permit the emission of particulate matter which is larger than 250 microns in size provided if such particulate matter does or will deposit upon the real property of another person.

**2001 LANGUAGE**

No person may cause or permit the emission of particulate matter larger than 250 microns in size at sufficient duration or quantity as to create an observable deposition upon the real property of another person when notified by the department that the deposition exists and must be controlled.

**2014 PROPOSED LANGUAGE**

(1) No person may cause or permit the deposition of particulate matter larger than 250 microns in size that creates an observable deposition upon the real property of another person.

(2) Upon determining that deposition has occurred, DEQ will notify the person creating the deposition that they are in violation of this rule. DEQ will endeavor to resolve observed deposition in keeping with the policy outlined in OAR 340-12-0026. If DEQ initiates a formal enforcement action, pursuant to OAR 340 division 12, for violation of this rule, then DEQ may not assess civil penalties for any such violation(s) that occurred prior to the date that DEQ sent the notice required under this section.

**2015 REVISED LANGUAGE**

No person may cause or permit the deposition of particulate matter larger than 250 microns in size at sufficient duration or quantity as to create an observable deposition upon the real property of another person when notified by the department that the deposition must be controlled. A permit issued under OAR 340 division 216 or 218 that includes a condition based on this rule constitutes notification by DEQ that the deposition must be controlled.

AOI comment on proposed rule language:

* Undoes the revisions that AOI and DEQ worked so hard to develop address the issue of how Title V sources can certify compliance, saying there was only noncompliance if DEQ informed the source that a nuisance was created
* Increases stringency as DEQ proposes to delete the current language includes the concept of duration and quantity

DEQ response:

* Sources should not have to be notified by DEQ that they are creating a nuisance
* No other rule language as such a restriction
* Enforcement will be handled in guidance