



State of Oregon
Department of
Environmental
Quality

Oregon Nuisance Odor Strategy

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Recent Nuisance Odor History in Oregon

Lots of odor complaints about:

Pulp mills, Metal foundries, Painting ops, Fiberglass plants, Coffee roasting, asphalt plants, dumps, composting ...

- 2001 Updated nuisance odor rule
Uncertainty whether rule was enforceable.
- 2009 AG gives opinion that enforcement can stand
appeal with proper documentation.
- 2013 DEQ develops Nuisance Odor Strategy to:
- Organize complaints- action or dismiss
 - Standardize odor descriptions
 - Resolve actionable odors problems informally if possible
 - Document more serious odor problems to support enforcement actions
-
- Mitigate odors to the extent possible.
 - Close odor nuisance cases.



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Methods to Document Odor

1. Questionnaire for complainant to determine frequency, intensity, duration
2. Odor nuisance field inspection to determine odor characteristics
 - Smell testing of inspectors
 - Odor test kit for inspectors
3. Meteorology to determine and document odor source



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1. Complaint Form

Duration

12+ hrs. (4)	5	7	9	11
6-12 hrs. (3)	4	6	8	10
1-6 hrs. (2)	3	5	7	9
Less than 1 hr (1)	2	4	6	8
	Monthly (1)	Weekly (3)	2 – 6 times per week (5)	Daily (7)

Frequency

Intensity

Very Strong (5)	6	8	10	12
Strong (4)	5	7	9	11
Moderate (3)	4	6	8	10
Noticeable (2)	3	5	7	9
Trace (1)	2	4	6	8
No odor (0)	unpleasant(1)	Unpleasant(3)	Offensive (5)	Highly offensive (7)

Offensiveness



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2. Field Inspection

1. Use two or more staff as an inspection team for a more accurate assessment of odor conditions.
2. Evaluate the odor from as many locations as necessary to positively identify:
 - o the odor in question;
 - o the source causing the odor;
 - o the activity of the source causing the odor; and
 - o the area being affected by the odor.



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Air Quality Program



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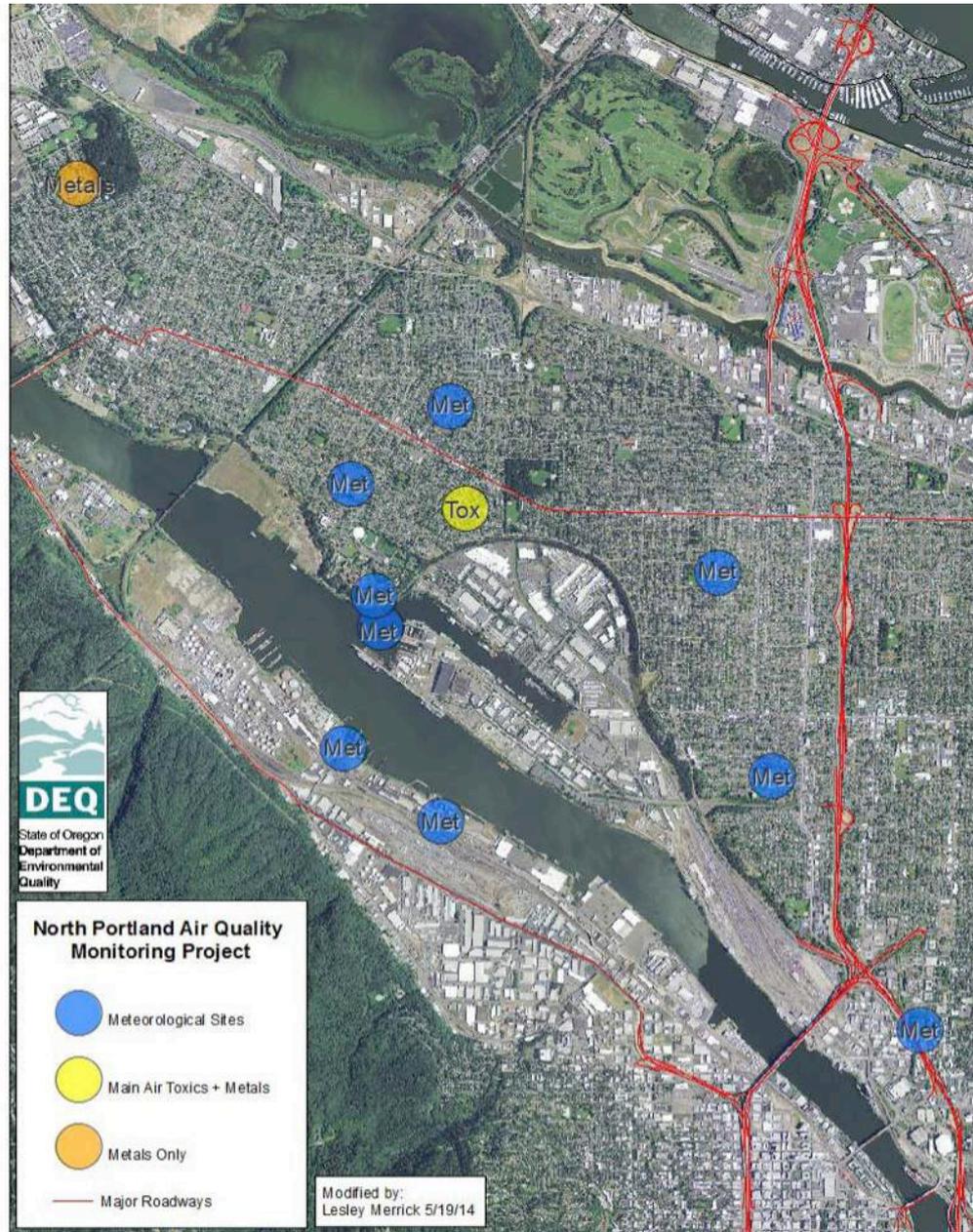
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Met sites
WD/WS

<http://159.121.9.140/SwanIslandAirToxics/index.html>

Air Toxics Site
HAPS
Metals
VOCs
Carbonyls
WD/WS, DT

