

1 **Air Quality**

2 Effective: Moved to Policy Library from UPM 12.12(8), UPM 12.12(9), UPM 12.12(12)
3 Reviewed and Updated: February 2016
4 Contact: [Environmental Health and Safety \(EH&S\)](#)

5 **Introduction**

6 The protection of the quality of the air is the responsibility of all Iowa State University personnel.
7 Environmental Health and Safety (EH&S) ensures air quality protection by administering the ISU
8 Central Campus Title V Operating Permit ("Title V" or "Permit"), and by applying for and overseeing
9 Air Quality Construction Permits ("Construction Permits") for campus air pollution emission points.
10 Title V and Construction Permits are based on state and federal air quality regulations, and are
11 designed to control pollutants from equipment designated as significant potential contributors to air
12 pollution. Regulatory requirements include exempting or permitting of individual sources,
13 implementation of pollution reducing technologies, and mandatory reporting.

14 In addition, state and local rules restrict most open burning, and federal regulations require proper
15 management of ozone-depleting refrigerants.

16 **Applicable Terms**

17 Source

18 Any equipment that emits an air pollutant, including, but not limited to: fume hoods; stationary
19 equipment combusting natural gas, coal, wood, fuel oil, diesel fuel, gasoline, or other fuels;
20 woodshop dust collection and venting equipment; above ground and underground storage tanks;
21 and research equipment emitting fine particles, fumes, smoke, or vapors.

22 Air Pollutant

23 Potentially anything other than ambient air. Equipment emissions must be reviewed by EH&S.

24 **Policy Statement**

25 **General Duty**

26 University personnel are required to adhere to federal, state and local air quality regulations, and
27 additional requirements set forth in applicable Title V and Construction Permits, and other applicable
28 federal, state, and/or local regulations.

29 **Open Burning**

30 Open burning of brush, debris, trash, refuse, or any other items is not allowed on Iowa State
31 University property. Fires used for ceremonies or emergency response training are not considered
32 open burning, but must be controlled and under observation at all times. Fires used for recreational
33 purposes such as bonfires or campfires must be approved by EH&S. Tires, furniture, and appliances
34 must not be burned at any time for any reason.

35 **Title V Operating Permit**

36 ISU employees shall maintain Title V sources in good working order at all times, keep maintenance
37 and operating records as required by the Permit, report recorded information to EH&S when
38 requested, and must not modify or remove Title V sources without contacting EH&S prior to
39 commencing modification or removal.

40 **Air Quality Construction Permits**

41 Individual air pollutant emission sources must either be exempted or permitted according to Iowa
42 Department of Natural Resources air quality regulations. ISU employees planning a teaching or
43 research project, construction project, or any other type of project involving the installation or
44 modification of equipment that emits air pollutants must contact EH&S prior to commencing
45 construction or modification. EH&S will determine regulatory applicability and complete and submit
46 the required Construction Permit application if necessary. Personnel responsible for the source must
47 provide accurate and reliable equipment and emission data to EH&S, and agree to adhere to all
48 parameters of the Air Quality Construction Permit.

49 **Refrigerant Management**

50 ISU personnel purchasing, handling, and managing refrigerants, repairing refrigerant-containing
51 equipment and appliances, and/or purchasing or operating refrigerant recovery equipment must be
52 trained and certified prior to conducting such activities. Documentation of such certification must be
53 retained by the employee's department or unit and must be made available for inspection by an
54 appropriate regulatory agency.

55 **Resources**

56 **Links**

- 57 • [EH&S Clean Air](#)
- 58 • [EPA Ozone Layer Protection](#)
- 59 • [EPA Ground Level Ozone](#)

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