

§ 650.82 Goal and objectives.

It is the Department of the Army's goal to reduce the emission of pollutants into the air from both stationary and mobile sources to the lowest practicable limits, and at the earliest practicable date. Objectives for obtaining this goal are to—

(a) Identify air pollution emission sources, determine the kinds and amounts of pollutant emissions, and reduce pollutant levels to those specified by Federal, State, interstate, or local substantive standards.

(b) Procure commercial equipment and vehicles with internal combustion engines that meet emission standards, except for combat vehicles specifically excluded by Environmental Protection Agency (EPA) regulations.

(c) Insure that each piece of military equipment is designed, operated, and maintained so that it meets air emission standards unless specifically exempted.

§ 650.83 Explanation of terms.

(a) *Ambient air quality standards.* Those standards established pursuant to the Clean Air Act, for protecting public health and welfare.

(b) *Emission standards.* Permissible limits of emissions established by Federal, State, interstate and local authorities to achieve ambient air quality standards.

(c) *Implementation plans.* Plans developed and administered by a State to designate the methods used to implement, maintain, and enforce ambient air quality standards in air quality control regions. The plans present an inventory of emissions and their source; a comparison of current emissions with current ambient air quality conditions; amount of emission reduction necessary to attain the ambient air quality standards for each category of emission sources; and plans, including transportation control plans, for achieving emission reductions.

(d) *Mobile sources.* Vehicles, aircraft, watercraft, construction equipment and other equipment using internal combustion engines as the means of propulsion.

(e) *Monitoring.* The assessment of emissions and ambient air quality conditions, using techniques such as emis-

sion estimates, visible emission reading, diffusion or dispersion estimates, sampling, or measurement with analytical instruments.

(f) *Motor vehicle.* Any self-propelled vehicle designed for transporting persons or property on a street or highway (section 213, Clean Air Act). Further defined in 40 CFR part 85.

(g) *National Emission Standards for Hazardous Air Pollutants.* EPA emission standards established for specified hazardous air pollutants emitted by both new and existing stationary sources. (Section 112, Clean Air Act.)

(h) *Parking facility.* Any off-street area or space, lot, garage, building or structure, or combination or portion thereof, in or on which motor vehicles are parked.

(i) *Standards of performance for new stationary sources.* Emission standards established for specified pollutant sources, such as industrial facilities (section 111, Clean Air Act).

§ 650.84 Policies.

(a) Control and monitor fixed air pollutant sources to ensure compliance with Federal, State, interstate and local substantive air emission standards.

(b) Monitor ambient air quality in the vicinity of Army industrial-type activities, or cooperate with others in such monitoring to determine whether current ambient air standards are being met.

(c) Control emissions from mobile sources in accordance with Federal regulations or by State regulations when authorized by law.

(d) Cooperate with Regional EPA and State authorities in achieving the objectives of State Implementation Plans.

§ 650.85 Responsibilities.

(a) The Chief of Engineers will—(1) Publish the basic policies and procedures for the identification, reporting, and programming of projects to control and monitor air pollutants emitted by Army fixed facilities and mobile sources, including aircraft and watercraft (DAEN-ZCE).

(2) Report requirements for projects to control sources of air pollution and

the installation of air quality monitoring systems in accordance with this regulation and DOD Instruction 4120.14.

(3) Process requests for exemption from compliance in accordance with the provisions of the Clean Air Act and Executive Order 11752.

(4) Include in the Army R&D Program such research as may be needed or required for the development of technology to control Army-unique air pollutants.

(5) Perform technical review and evaluation of remedial projects for the control of existing sources of air pollution at fixed facilities and insure that provisions are made for air pollution control in the design of new structures and facilities.

(6) Coordinate the requirement of the adoption of new air emission standards for the Army fixed facilities with The Surgeon General.

(7) Provide technical advice and assistance for the control of air pollution in the operation and maintenance of fixed facilities.

(8) Ensure all new construction or major modifications are reviewed by the applicable US EPA Regional Office to ensure compliance with the State Implementation Plan.

(b) The Deputy Chief of Staff for Logistics will issue implementing policies, procedures and instructions for the control of air pollution which pertain to the maintenance, repair and modification of mobile sources including vehicles, aircraft and watercraft.

(c) The Deputy Chief of Staff for Research, Development and Acquisition will—(1) Conduct research and development programs designed to provide low-pollution, high efficiency engines for Army vehicles, mobile power sources, aircraft, and watercraft; and for the development of clean burning fuels.

(2) Incorporate air pollution controls, where required, in the development of new equipment and weapons systems to the maximum extent possible without degrading the operational capabilities to an unacceptable level.

(3) Insure that mobile equipment and engines developed for the Army comply with applicable current and projected Federal emission standards to the ex-

tent that priority defense and national security requirements permit.

(d) The Surgeon General, will—(1) Monitor the health and welfare aspects of the air pollution control program within the Department of the Army.

(2) Issue health and medical policy guidance on air pollution control and abatement.

(3) Consult with COE and appropriate commanders in the establishment of air pollution control standards which are unique to the Army.

(4) Provide staff assistance and guidance on the health and environmental aspects of management of hazardous and toxic air pollutants.

(5) Provide support to the basic Army R&D Program in terms of identification/designation of R&D needs.

(6) Review proposed Federal, State, interstate and local emission/ambient air quality standards and coordinate DA input to the standard-setting process.

(e) Major Army commanders will—(1) Develop a program, consistent with this regulation and DOD guidelines to control and monitor air pollutant emissions from fixed and mobile facilities to comply with applicable Federal, State, interstate and local emission standards and ambient air quality standards.

(2) Ensure that personnel having responsibilities for controlling air pollution emissions (e.g. equipment operators and mechanics, heating plant operators, etc.) are properly trained to perform such duties. Further, provide training in the inspection, test and maintenance of pollution control devices and emissions measurement equipment.

(f) Commanding General, US Army Materiel Development and Readiness Command. In addition to responsibilities assigned in paragraph (e) of this section, the Commanding General, US Army Materiel Development and Readiness Command will—(1) Require that Army materiel equipped with internal combustion engines meet air emission standards in effect at the time of manufacture as required by Federal or State regulations.

(2) Ensure that the manufacture, shipment, operation, maintenance and final disposition of the materiel can be

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accomplished with a minimum emission of air pollutants.

(3) Provide in technical publications appropriate information and instructions on air pollution controls for engine driven equipment and on maintenance and monitoring procedures for minimizing pollutant emissions.

(g) Commanding General, US Health Services Command will—(1) Assist The Surgeon General in fulfilling his responsibilities for the health and welfare aspects of the air pollution control programs.

(2) Provide personnel for conducting field investigations and special studies on sources of air pollution and for recommending measures required to protect health and welfare, and to comply with stationary or mobile emission standards or ambient air quality standards (§ 650.92).

(h) Installation and activity commanders will—(1) Monitor air emission sources within their installations or under their control and identify air emission sources requiring remedial action to ensure compliance with emission standards and ambient air quality standards.

(2) Program remedial projects and funds to control and monitor air emission sources and ambient air quality to insure compliance with emission standards and ambient air quality standards.

(3) Cooperate with representatives of Federal, State and regional agencies in the formulation and execution of the Installation Master Plan, projects, and operations to ensure conformance with the State Implementation Plan. This includes conformance with new source emission standards; new source review procedures for Federal facilities; air pollutant control strategies such as transportation control plans, vapor recovery systems, and air pollution emergency episode plans; and the requirement to obtain a consent agreement for sources not in compliance with applicable air pollutant emission standards.

(4) Monitor the operation of motor vehicles to permit compliance with applicable Federal or State emission standards; or in the absence of applicable standards, to minimize smoke emissions.

(5) Continue mechanic and operator training programs in the prevention, control and abatement of pollution from mobile equipment.

§ 650.86 Reports.

Sources of air pollution will be identified and those requiring remedial action will be reported as specified in subpart J of this part. An example of an exhibit prepared on a facility found not to be in compliance with specified standards is shown in figure 10-3.

§ 650.87 References.

See table 4-1 for related publications to be used in conjunction with this subpart.

STANDARDS AND PROCEDURES

§ 650.88 Standards.

(a) *General.* (1) The Clean Air Act establishes the legal basis for improving air quality and maintaining air quality for the protection of public health and welfare. Included in its provisions are the establishment of Air Quality Control Regions, which are approximately 250 in number; the establishment of National Ambient Air Quality Standards to identify the acceptable health and welfare levels which will be permitted for a given pollutant; allowable significant air quality deterioration zones which set the allowable amount of air quality deterioration; and the preparation of Implementation Plans by each State to provide for the attainment of primary standards by July 1, 1975 and secondary standards within a reasonable time. The Act also requires EPA to set Standards of Performance for new or modified sources of pollution; establishing source emission standards for hazardous air pollutants such as asbestos, beryllium and mercury; and controlling motor vehicle emissions.

(2) National Ambient Air Quality Standards prescribe maximum pollutant levels for particulate matter, sulfur oxides, carbon monoxide, photochemical oxidants, hydrocarbons and nitrogen oxides (40 CFR part 50). In all instances the States in their Implementation Plans have specified strict ambient air quality standards and established maximum levels for each pollutant based on the type of source. It is