

§ 650.171

32 CFR Ch. V (7-1-99 Edition)

Blast Noise Data," Technical Report E-42 CERL, June 1974 (NTIS), see table 7-1).

(b) Technical assistance to include field surveys and the preparation of environmental noise pollution evaluations relating to health and welfare considerations of all types of environmental noise problems can be provided by the U.S. Army Environmental Hygiene Agency. Requests for assistance should be sent to Commander, U.S. Army Health Services Command (HSC-PA), Fort Sam Houston, TX 78234. This assistance includes—

(1) The evaluation of existing or potential noise problems which are evidenced by complaints, litigation, or official inquiries;

(2) The assessment of those situations where existing or proposed civilian-community actions may adversely impact noise-sensitive areas located on Army installations;

(3) The assessment of those situations where a proposed civilian community action may be adversely impacted from an ongoing Army activity;

(4) The recommendation of measures to mitigate an existing or potential adverse noise impact;

(5) The evaluation of Department of the Army activities to ensure that they comply with applicable noise standards and regulations; and

(6) The conduct of environmental noise assessments as input to EIS's excluding all projects involving land management and acquisition.

(c) Technical assistance, such as information and technical documents, is also available from the EPA. Inquiries may be sent directly to EPA Office of Noise Abatement & Control, Washington, DC 20460, or to the noise representative in the respective EPA Region (see fig. 9-1 and table 9-3).

§ 650.171 Noise sources.

Common sources of environmental noise produced by military activities that may require some form of noise control include—

(a) Aircraft operations and training.

(b) Vehicles (combat and noncombat) operations and training.

(c) Weapons firing, explosives and demolition operations and training (blast noise, § 650.169(d)).

(d) Fixed noise sources (power plants and generators, manufacturing plants, industrial facilities, carpenter shops, dynamometer buildings etc.)

(e) Electrical and electronic equipment.

(f) Construction equipment operations and training.

(g) Recreational activities (e.g., snowmobiles, trailbikes, etc.)

(h) All other noise sources that exceed 55 dBA measured at a distance of 50 feet from the source.

§ 650.172 Noise control.

(a) Control of new and existing sources of environmental noise can normally be achieved by applying singly or in combination noise reduction at the source, altering the path of noise, and noise reduction at the receptor site. Further, low-noise-emission products and equipment will be acquired wherever possible.

(b) Engineering noise controls, establishment of noise buffer zones, site design and building construction for noise control, and similar land use planning techniques will be employed in the siting and design of new military structures and facilities.

(c) Projects and resources required to control sources of environmental noise, reported in accordance with § 650.166, will be programed and budgeted using established procedures.

(d) To preclude the need for expensive engineering noise reduction techniques, the impact of environmental noise should be integrated into military land use planning. Attention will be given such matters in the master planning process (AR 210-20) with particular emphasis on—

(1) Routes of high volume traffic flow.

(2) Family housing area locations.

(3) Location of off-post residential areas.

(4) Sites of hospital complexes.

(5) Sites for on-post and off-post school facilities.

(6) Sites for new ranges, impact areas and airfields.

(e) The identification of critical noise rating contours at an installation for the purpose of aiding in land use planning will be a required component of each installation master plan (AR 210-

20). Assistance in preparing data for these contours can be obtained through the Office Chief of Engineers (DAEN-MCE-P) and Construction Engineering Research Laboratory (CERL). Requests for such assistance are to be forwarded in accordance with reference CERL Technical Report E-42, table 7-1. Blast noise, helicopter noise and truck noise programs are under development and OCE will issue Technical Reports in each area.

(f) Technical assistance in quantifying noise problems, identifying possible violation of standards, making noise surveys for inclusion in environmental impact assessments or impact statements, etc., may be requested from the US Army Environmental Hygiene Agency (USA-EHA) in accordance with §650.170(b).

§650.173 Noise complaints.

While not to be used as the sole criterion for judging the severity of environmental noise impacts, citizen complaints may be indicators of situations where noise control measures will be necessary. Such complaints should be logged, investigated, and appropriate corrective measures taken wherever possible. In many instances, such problems can be resolved to the mutual satisfaction of the Army and the community through direct consultation among those involved.

§650.174 Low-noise-emission products.

Under section 15 of the Noise Control Act of 1972 (Pub. L. 92-574), the US Environmental Protection Agency is responsible for administering a national program for the development of low-noise-emission products. EPA certifies new products whose noise emissions are significantly below the EPA source emission standards for these products as low-noise-emission products. Such certified products of a commercial nature will be acquired by purchase by the Army in lieu of other products if the Administrator of General Services determines that the product costs no more than 125 percent of the retail price of the least expensive type of product for which these are certified substitutes. Those products found to meet the low-noise-emission criteria will be announced as available through

regular supply procurement sources (40 CFR part 203 and Noise Control Act of 1972, section 15).

§650.175 Waivers and exemptions from noise standards.

Requests for exemption or waiver of a Federal or State noise standard will be forwarded through channels to HQDA (DAEN-ZCE) WASH DC 20310 who will take appropriate action to obtain OSD approval. Waivers will be requested for the specified period of time (normally one year) needed to permit compliance. Exemptions must be fully justified on the basis of mission accomplishment and military necessity.

TABLE 7-1—RELATED PUBLICATIONS

Executive Order 11514, Protection and Enhancement of Environmental Quality, March 7, 1970 (35 FR 4247).

Executive Order 11752, Prevention, Control, and Abatement of Environmental Pollution at Federal Facilities, December 19, 1973 (38 FR 243).

DOD Instruction 4165.57, Air Installation Compatible Use Zones, July 30, 1973.

Noise Control Act of 1972, Pub. L. 92-574 (86 Stat. 1248).

Amendment to the Federal Aviation Act of 1958 to require Aircraft Noise Abatement (Pub. L. 90-411).

AR 40-5 Health and Environment.

AR 210-20 Master Planning for Permanent Army Installations.

AR 385-10 Army Safety Program.

AR 750-20 Prevention, Control, and Abatement of Pollution from Mobile Equipment.

TB MED 251 Noise and Conservation of Hearing.

MIL-STD 1474 (MI), Noise Limits for Army Material.

User Manual for the Acquisition and Evaluation of Operational Blast Noise Data, Technical Report E-42, Construction Engineering Research Laboratory, June 1974. Available under AD No. 782-911/2G1 from National Technical Information Service (NTIS), Springfield, VA 22151.

Predicting Community Response to Blast Noise, Technical Report E-17, Construction Engineering Research Laboratory, December 1973. Available under AD No. 773-690 from NTIS, Springfield, VA 22151.

HUD Dept. Circular 1390.2, Noise Abatement and Control: Department Policy, Implementation Responsibilities, and Standards.

EPA Document #6E 550/9-74-004, Information on Levels of Environmental Noise Requisite to Protect Public Health and Welfare