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**Civil Engineering**

**WATER POLLUTION CONTROL FACILITIES**



**COMPLIANCE WITH THIS PUBLICATION IS MANDATORY**

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This instruction establishes base procedures for discharge of non-domestic wastes to base sanitary sewers and for operation and maintenance of facilities designed to control pollutants to the sanitary sewers. The purpose of this instruction is to protect the environment by controlling discharges to the base sanitary sewers, which lead to the Metropolitan Council Environmental Services Wastewater Treatment Plant. This is accomplished through compliance with state and local regulations, and good management practices pertaining to control of discharges and operation and maintenance of wastewater control equipment. It applies to all base divisions, tenants, and units, both civilian and military, with the exception of the Air National Guard. This instruction also applies to contractors. It implements AFPD 32-10, *Installations & Facilities*.

**SUMMARY OF REVISIONS**

This revision updates OPR and format. Changes “policy” to “procedures” in paragraph 2. A (I) indicates revisions from the previous edition.

**1. Responsibilities:**

1.1. Each division director, unit chief, and tenant commander is responsible for controlling all non-domestic waste discharges within his/her organization.

1.2. In addition, the following personnel have the following additional responsibilities:

1.2.1. The base civil engineer (934 SPTG/CE) is responsible for the following additional items:

1.2.1.1. Operating and maintaining any wastewater control equipment (e.g., oil-water separation equipment) that is part of the building facilities.

1.2.1.2. Providing technical assistance to base personnel regarding prohibited discharges, pre-

treatment requirements, toxicity reduction, etc.

1.2.1.3. Incorporating appropriate language into contract specifications to properly control pollutants from contractor operations and providing verbal instruction on such specifications to contractors.

1.2.1.4. Preparing permit applications, reports, and notifications to regulatory agencies.

1.2.1.5. Collecting samples and conducting special studies or surveys. A survey of discharges to the sewer, consisting at least of personnel interviews, shall be conducted at least annually.

1.2.1.6. Monitoring for compliance in conjunction with HQ AFRC as part of Air Force environmental auditing programs.

1.2.1.7. Making recommendations for additional control equipment or management procedures, where needed.

1.2.1.8. Preparing and updating for approval by the base environmental protection committee base procedures and instructions.

1.2.2. The base bioenvironmental engineering office (934 SPTG/SGPB) is responsible for compliance monitoring, in conjunction with CE. SGPB may also make recommendations to CE for additional control equipment or management procedures, and may participate in sampling, studies, and surveys.

1.2.3. The contracting office (934 LSS/LGC) is responsible for incorporating appropriate requirements from CE into contracts and for enforcement of contract conditions.

1.2.4. The base environmental protection committee is responsible for establishment of overall policy, procedures, instructions, and for overseeing compliance.

**2. Procedure.** It shall be the base procedure to comply with or exceed all applicable regulations/instructions pertaining to non-domestic waste discharge and pretreatment of such discharges.

### **3. Applicable Regulations:**

3.1. Applicable regulations include the following:

3.1.1. Metropolitan Council Environmental Services rules 101.00-517.00 (the waste discharge rules).

3.1.2. Minnesota rule 7045.0102 (Minnesota rules pertaining to mixtures of hazardous and non-hazardous wastes discharged to sewers).

3.1.3. Minnesota rule 7001.0520 (Minnesota rules pertaining to permit requirements for treatment or pretreatment of a hazardous waste).

3.2. The Metropolitan Council Environmental Services (MCES) is the controlling authority for waste discharge rules and for pretreatment requirements. Hennepin County is the control authority for hazardous waste requirements:

3.2.1. At present, the MCES staff has indicated that a permit is not required of federal facilities, and as a consequence, pretreatment regulations under the Water Pollution Control Act and 40 Code of Federal Regulations 403 are not applicable to the 934 AW; however, the 934 AW must

comply with their discharge limitations and waste discharge rules, and requests for approval of discharges must be sent to MCES.

3.2.2. All hazardous waste requirements are applicable to the 934 AW.

#### **4. Base Requirements:**

4.1. No person shall cause a violation of an applicable federal, state, or local environmental regulation regarding discharge.

4.2. If any person knows, or has reason to believe that any of the following has occurred or is about to occur, he/she shall immediately notify the base civil engineer at extension 1946 or environmental engineering at extension 1915.

4.2.1. A violation of an applicable regulation/instruction, including discharge of prohibited substances and discharges in excess of local limits.

4.2.2. An abnormally large discharge (exceeding 4 times the average 24-hour concentration) or accidental discharge.

4.3. Upon notification, CE shall immediately investigate any probable incident described in paragraph 4.2. above and shall respond appropriately to assure compliance with any required response procedures.

4.4. Asbestos abatement contractors and base personnel shall comply with requirements of the MCES and Minnesota Pollution Control Agency, as well as terms and specifications of the contract, regarding management of wastewater.

4.5. All personnel shall prevent and respond to spills in accordance with all applicable environmental regulations and with the 934 AW Oil and Hazardous Materials Spill Prevention Control and Countermeasures Plan (Spill Plan).

4.6. CE shall operate and maintain wastewater control equipment (oil-water separators) in accordance with MCES rule 405.00 and the 934 AW Spill Plan. A list of the oil-water separators is provided in the Spill Plan. The Civil Engineering Chief of Operations shall assure that accurate records are kept of inspections and maintenance.

4.7. All personnel shall manage hazardous wastes in accordance with Minnesota rules 7045.0020 - 7045.1380, Minnesota Rules 7001.0500 - 7001.0730, Hennepin County Ordinance 7, and the 934 AW Hazardous Waste Management Plan.

4.8. When a 934 AW plan may conflict with federal, state, or local law or regulations, those regulations shall take precedence.

#### **5. Good Management Practices:**

5.1. Division chiefs shall attempt to reduce discharges of pollutants to the sanitary sewer, whenever feasible by substituting less toxic materials, changing the operating process, or other methods.

5.2. Personnel shall attempt whenever feasible to minimize the amounts of pollutants discharged to the sewer.

5.3. Personnel shall use other good management practices such as those described in the Base Spill Plans (e.g. spill pans, curbs, etc.), whenever feasible.

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