

	UNIVERSITY SAFETY ENVIRONMENTAL MANAGEMENT SYSTEM University Heights Newark, New Jersey 07102	
		<b>Document Control No.</b> <b>USEMS SOP E - 4 - 2</b>
<b>Document Title: Wastewater / Stormwater Discharge Compliance</b>		

## 1.0 Purpose and Scope

- 1.1 The purpose of this SOP is to establish the regulatory requirements, accountabilities and operating procedures related to sanitary and process wastewater and stormwater discharge at NJIT.
- 1.2 The scope of this SOP includes any laboratory, location or building at the university that has a wastewater discharge containing hazardous chemicals that could interfere with the operation of the local wastewater treatment plant.
- 1.3 The objective of this SOP is to provide operating procedures to meet the requirements of the Passaic Valley Sewerage Commission (PVSC) Industrial and Pollution Control Rules and Regulations, the New Jersey Department of Environmental Protection Freshwater Wetlands Protection Act Rules and the New Jersey Pollutant Discharge Elimination System Storm water Regulations for Underground Injection Control.

## 2.0 Responsibilities

- 2.1 The Director of Environmental Affairs is responsible to maintain current copies of this SOP and to ensure that any new sewer use requirements specified by Passaic Valley Sewerage Commission are incorporated into future revisions of the SOP.
- 2.2 The Director Technical Services is primarily responsible to implement the operational, inspection, notification and recordkeeping provisions of this SOP.

## 3.0 Assessment, Prevention and Control Procedure

- 3.1 NJIT discharges sanitary and other wastewaters from the numerous laboratories on the campus to the Passaic Valley Sewerage Commission (“PVSC”) wastewater treatment system. All laboratory wastewater drains into neutralization tanks located in the basement of Otto York Center, Microelectronics Center and Tiernan Hall. Wastewater is pH neutralized prior to discharge to the PVSC sewage system. **NJIT’s policy is that no hazardous chemicals are to be discharged into laboratory sink drains.** Signs are posted at laboratory sinks to remind staff and laboratory researchers about adhering to this policy.
- 3.2 Storm water on the campus discharges into the City of Newark combined sewer system. This system is designed to accept sanitary and storm water discharges. NJIT does not have a storm water NJPDES discharge permit and does not require a permit since there is no direct discharge of storm water to a surface water body, pursuant to the exemption provided under NJAC § 14A-24.2(f).
- 3.3 NJIT is not classified as a Significant Industrial User (“SIU”) and does not require a SIU New Jersey Pollution Discharge Elimination System (“NJPDES”) permit. NJIT discharges process and sanitary wastewaters to the municipal sanitary system as an indirect user. NJIT is currently not required to monitor or test wastewater for compliance with discharge limitations promulgated by the Passaic Valley Sewerage Commission.

- 3.4 NJIT will comply with the "Prohibited Discharges" standards as specified in PVSC Rules and Regulations, including no discharge from any sink, drain or sewer connection of any of the listed substances in PVSC Regulations, Section 312, "Prohibited Industrial Wastes". These standards are included in Exhibit 2-1 to this SOP.
- 3.5 The Director of Environmental Affairs will ensure that land disturbing activities as defined under the NJDEP Land Use Regulation Program (LURP) Regulations will not occur without an approved sediment and storm water management plan and permit from the NJDEP.
- 3.6 The Director Technical Services will inform the Director of Environmental Affairs when any land disturbing activity is anticipated to occur on the NJIT campus. The Director of Environmental Affairs will make contact with the NJDEP to discuss the need for a sediment and stormwater management plan (Plan). If required, the Director of Environmental Affairs will work with the facilities management staff to prepare the Plan and submit it to NJDEP for approval prior to commencing the land disturbing activity.
- 3.7 The Director Technical Services will implement Pollution Prevention procedures including a Best Management Practice ("BMP") plan for silver rich spent developer solutions that may be generated from Architecture Department dark room or other photographic processing locations at NJIT. Discharges of silver rich solutions must comply with Section 401.1 of PVSC Rules and Regulations that require submission of a BMP Plan to the PVSC for review and approval
- 3.8 The Director Technical Services will establish a procedure to document monthly grease trap cleaning by food service employees in bound maintenance log books.
- 3.9 The Director Technical Services will establish a procedure to document weekly inspections of the grease interceptor (including time, date and signature of person performing the inspection) in bound maintenance logbooks. Maintain such records in accessible files for five years.
- 3.10The Director Technical Services will retain a contractor specializing in grease interceptor cleaning to inspect the grease interceptor once every two months. Records of such inspections and cleaning will be retained in accessible files for five years.
- 3.11The Director Technical Services will submit product specifications of any commercial biological enzyme additive used in NJIT grease interceptors to PVSC for approval. Approval letters from PVSC will be retained by the Director Technical Services.
- 3.12The Director, Technical Services may request an exemption from the PVSC to comply with the requirements in Section 3.7-3.11 above. Written approval authorizing exemption from any requirements from the PVSC will be retained by the Director, Technical Services. If written exemption is not obtained from PVSC, procedures to comply with all requirements in Section 3.7-3.11 will be implemented by the Director, Technical Services.

#### **4.0 Record and Document Retention**

- 4.1 The Director Technical Services will retain the following records and documents to verify compliance with this SOP:
  - A. Passaic Valley Sewerage Commission ("PVSC"), Industrial and Pollution Control Rules and Regulations
  - B. BMP plan for silver rich process discharges approved by PVS
  - C. Records of monthly grease interceptor cleaning by a contractor specializing in grease interceptor cleaning
  - D. PVSC written approval of commercial biological enzyme additive used in grease interceptor
  - E. Copy of contract with grease interceptor contractor.

## 5.0 Regulatory and Statutory Requirements

- 5.1 The applicable regulatory and statutory requirements related to this SOP include:
- A. 40 CFR 403 General Pretreatment Regulations for Existing and New Sources of Pollution
  - B. New Jersey Administrative Code 7:14A-21 Requirements for Indirect Users
  - C. New Jersey Department of Environmental Protection, Land Use Management, Division of Watershed Management, New Jersey Administrative Code, Stormwater Management Rule (N.J.A.C. 7:8)
  - D. New Jersey Department of Environmental Protection, Freshwater Wetlands Protection Act Rules, New Jersey Administrative Code, (N.J.A.C. 7:7A)
  - E. New Jersey Pollutant Discharge Elimination System, Stormwater Regulation, Underground Injection Control, NJAC § 14A-24.2(f)
  - F. Passaic Valley Sewerage Commission (“PVSC”), Industrial and Pollution Control Rules and Regulations
  - G. International Plumbing Code, 1997 edition published by International Code Council
- 5.2 The Director of Environmental Affairs will maintain a current copy of each of these documents and regulations and is responsible to keep current versions available for review by NJIT staff as required.