

<h1>POLICY MANUAL</h1>	Date Adopted: August 24, 1999
Classification: ENGINEERING OPERATIONS	Date Last Amended:
Subject: Basin Sediment Monitoring and Management	Approved By:

**I. Guideline:**

The District shall implement a basin sediment monitoring and management program to protect public health, groundwater quality, and the environment, and to ensure compliance with existing federal and state waste disposal and hazardous waste laws and regulations. In order to be sure standards are met, and to provide an additional margin of safety, the District shall manage basin soils with the goal of maintaining the mean concentration of total recoverable lead in basin sediments at no greater than 50% of current waste disposal standards.

**II. Regulatory Requirements:**

A. Background

Lead is an environmental contaminant frequently present in urban storm water runoff. In the Fresno-Clovis metropolitan area, storm water runoff normally flows to and collects in detention and retention basins, where lead and other contaminants accumulate in basin sediments. Monitoring studies conducted by the District have shown that generally, lead will accumulate in basin sediments to levels regulated by state and federal waste regulations before other storm water pollutants will reach regulatory thresholds.

To prevent accumulation and leaching of lead and other pollutants, and to maintain groundwater recharge efficiencies, the District must periodically remove basin sediments. Providing that sediments meet the regulatory definition of inert materials, and are not contaminated to levels exceeding waste disposal standards, they may be disposed of to land as ordinary fill material.

B. Regulations

1. California Health and Safety Code, Chapter 6.5, Article 2, Section 25124: Defines “waste.” Sediments removed from basins are classified as a waste pursuant to this code section.

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2. California Code of Regulation, Title 22, Division 22, Section 66261.24 (a)(2)(A): Sets forth hazardous waste criteria for lead and other hazardous substances. Materials that meet hazardous waste criteria, unless granted a variance, must be disposed of in a Class I hazardous waste disposal facility and handled and transported by a licenced hazardous waste transporter.
  
3. California Health and Safety Code, Chapter 6.5, Article 5, Section 25157.8: Sets forth disposal standards for wastes containing lead which must be disposed of in a Class I hazardous waste facility. These wastes, so long as they do not meet or exceed hazardous waste criteria, are not required to be handled or transported by a licenced hazardous waste transporter. This section of the code will remain in effect until July 1, 2003, unless it is repealed or extended by the state legislature.

### III. Procedure:

The District shall administer this policy through adherence to standardized operating procedures for basin sediment monitoring and removal activities, including:

- A. Representative and periodic sampling for total recoverable lead in areas of basin sediment accumulation, and on recreational floors of developed basins;
- B. Field and laboratory quality control and quality assurance measures to ensure sediment monitoring results are both reliable and accurate;
- C. Analyses and tracking of basin sediment monitoring results to adequately document compliance with applicable waste classification and disposal regulations, and to determine and make modifications to basin sediment removal schedules; and
- D. Periodic removal of basin sediments, including documentation of where sediments were removed, quantities that were removed, and locations where removed sediments were transported and disposed.