

WASTE DISCHARGE REQUIREMENTS ORDER NO.R5-2006-XXXX  
FOR  
CITY OF ATWATER  
WASTEWATER TREATMENT FACILITY  
MERCED COUNTY

ATTACHMENT D  
INFORMATION NEEDS FOR SLUDGE MANAGEMENT PLAN

- A. Wastewater Treatment Facility (WWTF)
1. Describe treatment processes at the wastewater treatment facility.
  2. List significant industrial users (SIUs) that discharge to the wastewater treatment facility and describe how SIUs affect sludge production, sludge handling, and biosolids disposal.
  3. Indicate whether the WWTF has an adopted source control ordinance or a pretreatment program, and if the latter whether the program is approved by the Board.
  4. Indicate whether WWTF accepts septage and, if so, describe septage handling operation facilities.
  5. Provide a WWTF site map showing:
    - a. existing sludge handling facilities (e.g., sludge drying beds and sludge storage areas)
    - b. abandoned sludge handling facilities (if applicable)
    - c. location of groundwater monitoring wells, if any, and groundwater gradient.
- B. Sludge Production
1. Provide a schematic diagram showing solids flow and sludge handling operations; include, where applicable, supernatant flow and handling operations.
  2. Specify the quantity of sludge expected to annually accumulate in each wastewater treatment process, how it is quantified, and the expected removal frequency.
  3. For sludge handling facilities with sludge drying beds:
    - a. Describe number and size of sludge drying beds.
    - b. Describe sludge drying bed construction (e.g., liner, leachate collection system).
    - c. If sludge drying beds are not lined, thoroughly describe measures taken to ensure that area groundwater is not adversely affected by sludge drying operations.
    - d. Indicate the expected frequency with which sludge will be applied to and removed from sludge drying beds.
  4. Describe how biosolids are transferred to onsite biosolids storage facility (if applicable). If biosolids are removed directly from sludge drying beds, provide a plan that indicates when during the year you expect to dispose of biosolids and explain that whoever is responsible for disposing of your biosolids will be able to remove and dispose it at this time.

C. Biosolids Characterization

1. Describe proposed sampling procedures by indicating number of samples, sample locations, and sample composition. For reference consult *POTW Sludge Sampling an Analysis Guidance Document*, published by the EPA Publication No. 833-B-89-100.
2. Describe the methods proposed to meet the necessary levels of pathogen reduction (i.e., Class A or B according to 40 CFR 503.32) for the proposed method of sludge disposal.
3. Describe the methods proposed to meet vector reduction requirements, in accordance with 40 CFR Part 503.33.

D. Biosolids Storage

1. If on-site biosolids storage is used,
  - a. Describe:
    - i. Size of biosolids storage area
    - ii. How frequently it will be used (emergency basis only or routine use)
    - iii. Typical storage duration
    - iv. Leachate controls
    - v. Erosion controls
    - vi. Run-on/runoff controls
  - b. Indicate measures that will be taken to ensure that area groundwater is not adversely affected by the biosolids storage facility.
  - c. For biosolids storage facilities that contain biosolids between 1 October and 30 April, describe how facilities are designed and maintained to prevent washout or inundation from a storm or flood with a return frequency of 100 years.
  - d. Provide a map of showing setback distances from (where applicable)
    - i. Property lines
    - ii. Domestic water supply wells
    - iii. Non-Domestic water supply wells
    - iv. Public roads and occupied onsite residences
    - v. Surface waters, including wetlands, creeks, ponds, lakes, underground aqueducts, and marshes
    - vi. Primary agricultural drainage ways
    - vii. Occupied non-agricultural buildings and off-site residences

- viii. Primary tributary to a waterway or reservoir used for domestic water supply
- ix. Domestic surface water supply intake

E. Spill Response Plan

1. Emergency contacts and notification procedures
2. Personal protective equipment requirements
3. Response instructions for
  - a. spill during biosolids transport
  - b. storage facility failure
  - c. when hazardous or other unauthorized material is found

F. Method of Disposal

1. Describe and provide the following information related to biosolids disposal method(s). If more than one method will be utilized, include the percentage of annual biosolids production expected to be disposed of by each method.
  - a. Landfill Disposal
    - i. Name(s) and location(s) of landfill(s).
    - ii. Waste discharge requirements order numbers adopted by the Regional Board that regulate the landfill(s).
    - iii. Present classification of the landfill(s).
    - iv. Name and telephone number of the contact person at the landfill(s).
  - b. Incineration
    - i. Name(s) and location(s) of incineration site(s).
    - ii. Waste discharge requirements order numbers adopted by the Regional Board that regulate the incineration site(s).
    - iii. Method of disposal of ash from the incineration site(s).
    - iv. Names and locations of facilities receiving ash from the incineration site(s), if applicable.
    - v. Name and telephone number of the contact person at the incineration site(s).
  - c. Composting
    - i. Name(s) and location(s) of composting site(s).
    - ii. Waste discharge requirements order numbers adopted by the Regional Board that regulate the composting site(s).
    - iii. Name and telephone number of the contact person at the composting site(s).

d. Land Application

- i. Ownership of the site(s) where biosolids are applied.
- ii. Assessor Parcel Numbers (APNs) of site(s) where biosolids are applied.
- iii. Waste discharge requirements order numbers adopted by the Regional Board that regulate the biosolids application site(s).