Decision Framework for Evaluating Project Flows Utilizing OSDS

Proposal Submitted to Approving Authority (AA)

Submittal includes proposed Wastewater design flows

- Design Flows < those prescribed in flow list
- Data not accepted as sufficient. Project can’t move forward without resolution. Request revised submittal for further consideration. Proposal is denied if no additional information is forthcoming and consensus can’t be reached on proposed design flow.

Submittal does not include project-specific Wastewater design flows

- Design Flows are consistent with or > those prescribed by flow list
- The proposed best available data must be based on the maximum daily flow and be compared to MDE’s guidance on wastewater flows to determine if data is acceptable or requires adjustment.

- The design flow should be based on maximum daily flow as prescribed in MDE’s Guidance on Wastewater Flows or more conservative. Flow Equalization only considered in consultation with MDE to determine appropriateness.

Establish appropriate design flow and consider system's potential to contaminate the groundwater/wells with nitrogen especially if lower flow values from flow list are accepted (Due to potential higher waste strength). Flow Equalization only considered in consultation with MDE to determine appropriateness. In addition, review ft² of proposed/existing facility to see if flows are reasonable. See also EPA 2002 Manual Chapter 3, page 3-21, Figure 3-7 for additional guidance if necessary.

- If Design flows < 5000 gpd & a Nitrogen Balance is not required
  - Co-review w/MDE suggested
  - GWDP¹ may be required for Nutrient limitation or other

- If Design flows < 5,000 gpd & a Nitrogen Balance is required
  - Co-review w/MDE required for compliance with LSG²

- Design flows 5,000-10,000 gpd
  - Co-review w/MDE required for compliance with LSG² & GWDP¹ required if the site is suitable.

- Design flows 10,000 gpd or >
  - GWDP¹ may or may not be required See LSG²

Approving Authority reviews project

¹GWDP=Ground Water Discharge Permit
FEDERAL: 40 CFR Part 144
STATE: Environment Article, Title 9, Subtitle 3
COMAR 26.08.01-26.08.04 and 26.08.07

²LSG= MDE’s Large System Guidelines