

pollutants by pharmaceutical manufacturing facilities will have an adverse financial impact on POTWs.

EPA solicits comments and supporting data on whether pretreatment for removal of these pollutants, and thereby reduced BOD₅ raw waste loads to POTWs, will have adverse financial impacts on POTW revenues.

26.0 Pass-Through of COD at POTWs

EPA will be conducting a POTW pass-through analysis for the pollutant COD because EPA is concerned that certain refractory organic waste materials from subcategory A and C operations measured as COD may pass-through the treatment afforded by POTWs.

26.1 Data on COD Pass-Through

EPA is soliciting data on COD removal (influent and effluent data) from POTWs that treat wastewater from pharmaceutical plants engaging in subcategory A and C operations.

26.2 Appropriate Procedure for Conducting the COD Pass-Through Analysis

EPA also solicits comments on the appropriate procedure for conducting a pass-through analysis for the pollutant COD.

27.0 Pretreatment Standards for Nonstrippable Organic Pollutants

27.1 Package Biotreatment for Five Nonstrippable Organic Pollutants

As noted in Section IX.E.5.a of this preamble, EPA has determined that five nonstrippable biodegradable organic pollutants (N,N dimethyl formamide, dimethyl sulfoxide, N,N-dimethyl acetamide, formaldehyde and ethylene glycol) pass through POTWs. EPA is considering developing pretreatment standards for these pollutants based on package biological treatment. EPA solicits comments and data regarding whether pretreatment standards based on package biological treatment for the five nonstrippable organic pollutants should be promulgated.

27.2 Other Treatment Technologies for Nonstrippable Organic Pollutants

EPA solicits data and information regarding the ability of other technologies to reduce wastewater concentrations of the five nonstrippable organic pollutants identified in the comment solicitation above.

27.3 POTW Pass Through for Acetonitrile and PEG 600

EPA solicits data and information concerning whether acetonitrile and

polyethylene glycol 600 pass through POTWs.

28.0 PSES for Additional Pollutants

Although today's proposed PSES would control 45 volatile organic pollutants (as well as cyanide and ammonia for subcategories A and C), the Agency is concerned that additional pollutants currently being discharged by pharmaceutical plants may either pass through POTWs or interfere with their operation.

Consequently, EPA solicits comments and data concerning other pollutants discharged by pharmaceutical plants in all manufacturing subcategories that may pass through and/or interfere with POTWs, such as sulfates and sulfide (hydrogen sulfide) which are capable of causing significant worker safety problems and corrosion.

29.0 Revision of BPT

EPA is proposing to revise the existing BPT effluent limitations, which are outdated and no longer represent the average of the best performers in the pharmaceutical manufacturing industry. In developing the proposed revised BPT effluent limitations, EPA has identified the average of the best performers with advanced biological treatment.

29.1 Advanced Biological Treatment

EPA solicits comments and data with respect to whether EPA has appropriately selected advanced biological treatment as the technology basis for the proposed BPT conventional pollutant limitations.

29.2 Methodology Used to Select Best Performers

EPA solicits comments on the methodology used to select the best performing facilities with advanced biological treatment and to develop the limitations based on performance data from these facilities.

29.3 Statutory Authority and Other Factors

EPA solicits comments and data with respect to the authority under the Clean Water Act to revise BPT, and on costs, effluent reduction benefits, water quality benefits, and any other factors that may be related to the proposed BPT revisions.

30.0 Revision of BCT

EPA is proposing to revise the existing BCT effluent limitations that were promulgated in July 1986 (51 FR 24974). EPA identified no technologies that achieve greater removals of conventional pollutants than those associated with the proposed revised

BPT limitations that are also cost-reasonable.

30.1 Proposed Baseline for BCT Cost Test

EPA solicits comments on the baseline used for this proposal (i.e., revised BPT limits being proposed today) beyond which candidate technologies were identified, and the alternative baseline identified (i.e., existing BPT limitations).

30.2 Candidate Technologies for BCT

EPA solicits comments on the candidate technologies considered for BCT in this analysis and any others not identified that may be appropriate.

30.3 BCT Results

EPA solicits comments on the finding that none of the candidate BCT technologies beyond BPT were cost-reasonable.

30.4 Other Factors

EPA solicits comments with respect to costs, effluent reduction benefits, and any other factors that may be related to the proposed BCT revisions.

31.0 Applicability and Scope of Best Management Practices

Section 304(e) of the CWA gives the Administrator the authority to publish regulations to control plant site runoff, spillage or leaks, sludge or waste disposal, and drainage from raw material storage that the Administrator determines are associated with or ancillary to the industrial manufacturing or treatment processes of the regulated point source category and that she (he) determines may contribute significant amounts of pollutants to waters of the United States. Examples of BMP regulations include the requirement that dikes be constructed in process areas and required employee training in spill prevention and control.

31.1 Establishment of BMPs

EPA solicits comments regarding whether BMP regulations should be established for the pharmaceutical manufacturing industry.

31.2 BMPs and Costs

The Agency also solicits suggestions on possible BMPs to be prescribed by regulation, accompanied by facility implementation cost estimates that may be appropriate for this industrial category.

31.3 Suggested Specific BMPs

The Agency solicits comments on the suggested specific BMPs presented in Appendix B of the Technical Development Document.