



PRELIM USERS GUIDE

Documentation for the EPA Computer Program / Model for Developing Local Limits for Industrial Pretreatment Programs at Publicly Owned Treatment Works

Version 3.0

IMPORTANT

**PLEASE SEE ERRATA/ADDENDUM
SHEETS BEFORE USING THIS
MANUAL**

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460

OFFICE OF
WATER

Dear PRELIM Requestor:

Enclosed is a floppy disk containing the EPA local limits computer model PRELIM, Version 3.0, along with the PRELIM Users Guide. PRELIM has been developed to be used as a tool to assist pretreatment managers at Publicly Owned Treatment Works (POTWs) in determining technically sound, defensible local limits for industrial user discharges. PLEASE READ THE USERS GUIDE AND THE ERRATA/ADDENDA SHEET BEFORE ATTEMPTING TO USE PRELIM.

Operation of the PRELIM model requires access to a personal computer equipped with the MS-DOS operating system, Microsoft Basic or GWBasic, at least 256K RAM and at least two disk drives. Start-up instructions for PRELIM are found in Appendix C of the Users Guide.

PRELIM performs independent sets of calculations for each pollutant, based on water quality (or effluent), sludge, and POTW protection objectives. The program computes how each criterion would restrict the amount of each pollutant that the influent to the POTW could contain, based on removal rates and fate of each pollutant within the POTW. The program then allocates the influent loadings to the industrial users.

Data requirements for successful operation of the PRELIM model are discussed in Chapter 2 of the enclosed Users Guide. It is important for the user to realize the necessity of acquiring site-specific data to input to PRELIM, rather than to rely on PRELIM default data. It is also important that the user verify the values derived by PRELIM. The PRELIM Users Guide provides the equations necessary for hand calculations so that values can be verified. The validity of PRELIM-derived local limits will be a function of the extent and quality of site-specific data available for input to PRELIM.

EPA has recently developed local limits guidance which will be made available during FY88. The guidance addresses the development and implementation of local limitations to control conservative and nonconservative pollutant discharges (i.e., metals and organics) from nondomestic industrial users to POTWs. The new guidance discusses expanded methodologies for the development of local limitations. PRELIM 3.0 uses calculations consistent with the guidance for the development of local limitations for conservative pollutants only. Nonconservative pollutants are not addressed in the current version of PRELIM.

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If any technical problems with the execution of the PRELIM program should result, consult the Users Guide. Any technical problems that cannot be answered by the Users Guide should be referred to Laurie Toffenetti, (703) 734-3113, or Roger Claff, (703) 734-3122, of Science Applications International Corporation, the contractor which developed PRELIM, Version 3.0. If you should have any questions or comments concerning the development of local limits, please contact your State or EPA Regional Pretreatment Coordinator.

PRELIM, Version 3.0, incorporates suggestions from many users of PRELIM. We at EPA believe that it represents a significant improvement over those earlier versions. I would appreciate your comments and suggestions for further improvements.

Sincerely,

A handwritten signature in cursive script that reads "Chuck Prorok".

Chuck Prorok
Environmental Protection Specialist
(202) 475-7053

CP/wp

Enclosure