

WAC 173-240-150 Operation and maintenance manual. (1) A detailed operation and maintenance manual must be prepared for an industrial wastewater facility that includes mechanical components before completing the construction. The manual is to be submitted to the department for review and approval. The purpose of the manual is to present technical guidance and regulatory requirements to the operator to enhance operation under both normal and emergency conditions.

(2) The operation and maintenance manual shall include the following topics:

- (a) The names and phone numbers of the responsible individuals.
- (b) A description of plant type, flow pattern, operation, and efficiency expected.
- (c) The principal design criteria.
- (d) A process description of each plant unit, that includes function, relationship to other plant units, and schematic diagrams.
- (e) An explanation of the operational objectives for the various wastewater parameters, such as sludge age, settleability, etc.
- (f) A discussion of the detailed operation of each unit and a description of various controls, recommended settings, fail-safe features, etc.
- (g) A discussion of how the facilities are to be operated during anticipated startups and shutdowns, maintenance procedures, and less than design loading conditions, so as to maintain efficient treatment.
- (h) A section on laboratory procedures that includes sampling techniques, monitoring requirements, and sample analysis.
- (i) Recordkeeping procedures and sample forms to be used.
- (j) A maintenance schedule that incorporates manufacturer's recommendations, preventative maintenance and housekeeping schedules, and special tools and equipment usage.
- (k) A section on safety.
- (l) A section that contains the spare parts inventory, address of local suppliers, equipment warranties, and appropriate equipment catalogues.
- (m) Emergency plans and procedures.

[Statutory Authority: RCW 90.48.110. WSR 00-15-021 (Order 00-09), § 173-240-150, filed 7/11/00, effective 8/11/00. Statutory Authority: Chapters 43.21A and 90.48 RCW. WSR 83-23-063 (Order DE 83-30), § 173-240-150, filed 11/16/83. Statutory Authority: RCW 90.48.110. WSR 79-02-033 (Order DE 78-10), § 173-240-150, filed 1/23/79. Formerly chapter 372-20 WAC.]