

Part 1 General

1.1 INTENT

- .1 This Section specifies general requirements for on-site, cleaning and chemical treatment of mechanical systems.

1.2 RELATED SECTIONS

- .1 Spare Parts and Maintenance Materials: Section 23 00 23.
- .2 Cleaning and Chemical Treatment Equipment: Section 23 25 01.
- .3 Cleaning and Chemical Treatment of Hydronic Systems: Section 23 25 13.
- .4 Cleaning and Chemical Treatment of Glycol Systems: Section 23 25 26.

1.3 SUBMITTALS

- .1 Comply with requirements of Section 23 05 01.
- .2 Submit the following information and documents for approval by the Departmental Representative:
 - .1 Description of on site preparatory work required by the Departmental Representative such as, isolation or shut down of an existing system, removal of instrumentation from an existing system or operational adjustments of an existing system.
 - .2 Proposed cleaning procedure.
 - .3 Material and safety data sheets for chemical treatment, cleaning products, corrosion inhibitor, water test reagents.
 - .4 A permit from the appropriate regulatory body to dispose of spent cleaning solutions to sanitary sewer system, or a statement of intention to dispose of spent cleaning solutions at an approved off-site location.
 - .5 Recommended control limits and control charts.
 - .6 Submit additional information specified in related sections.

1.4 QUALITY ASSURANCE

- .1 Use a qualified water treatment specialist, who has a demonstrated record of expertise in water systems cleaning and chemical treatment, to supply chemicals, equipment, and consulting services to perform cleaning and chemical treatment work specified, in accordance with the Alberta Infrastructure and Transportation Water Treatment Program.

1.5 INSTRUCTION

- .1 Provide operation and maintenance instructions for water treatment systems including following:
 - .1 Chemical requirements for water treatment.
 - .2 Water test procedures.
 - .3 Operation and maintenance of water treatment equipment.

1.6 SEQUENCING

- .1 Perform cleaning and chemical treatment activities as one continuous process without interruption.

Part 2 Products – Not Used

Part 3 Execution

3.1 DISPOSAL OF SPENT CLEANING SOLUTION

- .1 Dispose of spent cleaning solution in an environmentally responsible manner. Following methods are acceptable:
 - .1 Disposal through sanitary sewer if regulatory body will accept spent cleaning solutions and issue a disposal permit.
 - .2 Disposal at an off-site disposal facility which meet Alberta Environment requirements.

END OF SECTION