

## DOCUMENT MANAGEMENT SYSTEM

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Doc# NSCS-M-P-7094-10  
Title: #1 and #2 Gravity Thickeners Winterization  
Issue Dt: 06/03/1997  
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Cat: Quality Doc Type: SOP  
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Desc: #1 and #2 Gravity Thickeners Winterization  
Loc: Midwest - Utilities-Midwest - Plant Maintenance-Midwest-Gary Works

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**Purpose:** The gravity thickeners and associated equipment are subject to freezing in low temperature conditions. Heat is needed to prevent ice-related damage to the equipment.

**STEPS/PROCEDURES:**

1. Plug in heat tracing for both red valves located east and west of gravity thickener splitter box.
2. Turn on natural gas valve for sludge dewatering plant building and light pilots for all unit heaters.
3. Turn on all electrical heat tracers for associated piping of gravity thickeners and lime operation.
4. Energize overhead heaters at compressor building of lime operation.
5. Inspect all doors, fans and windows and ensure they are closed unless fume ventilation is needed.