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## SECTION HEADING

### RNEW 1130: Pollution Control Fundamentals

#### Description

Pollution Control Fundamentals covers the fundamentals of pollution control in a process plant. Identification of the major sources of pollution, explanation of control devices used to minimize polluting emissions; the importance of reducing emissions and keeping in compliance with State and Federal regulations will be discussed. The state and federal regulatory agencies overseeing permitting and their enforcement procedures will also be covered.

#### Credits

2

#### Prerequisite

None

#### Corequisite

None

#### Topics to be Covered

1. Environmental Protection Agency (EPA)
2. Minnesota Pollution Control Agency (MPCA)
3. Environmental Assessment Worksheet (EAW)
4. Air Emissions Permit
5. National Pollutant Discharge Elimination System (NPDES)
6. Storm Water Pollution Prevention Plan
7. Above Ground Storage Tank Regulations
8. Risk Management Plan (RMP)
9. State Authorization Reciprocity Agreement (SARA)

#### Learning Outcomes

1. Demonstrate knowledge of the role of and the differences between the EPA and the MPCA.
2. Define EAW and explain its role in permitting.
3. Define Air Emissions Permit and explain its use.
4. Explain the use of an NPDES General Storm Water Discharge Permit.
5. Explain the Spill Prevention, Control and Countermeasures Plan.
6. Explain the Storm Water Pollution Prevention Plan.
7. Explain the Above Ground Storage Tank Regulations.
8. Define RMP (Risk Management Plan) and explain its uses.
9. Define the SARA notification forms and explain their uses.

#### Credit Details

Lecture: 2

Lab: 0

OJT: 0

MnTC Goal Area(s): None