



# ETHYLENE OXIDE STERILIZERS



## COMPLIANCE INSPECTION CHECKLIST

**INSPECTION TYPE:** ANNUAL (INS1, INS2)  COMPLAINT/DISCOVERY (CI)   
 RE-INSPECTION (FUI)  ARMS COMPLAINT NO: \_\_\_\_\_

**AIRS ID#:** 0310379 **DATE:** 5/10/12 **ARRIVE:** \_\_\_\_\_ **DEPART:** \_\_\_\_\_

**FACILITY NAME:** METRONIC ENT

**FACILITY LOCATION:** 6743 SOUTHPOINT DR N  
 JACKSONVILLE 32216-6218

**OWNER/AUTHORIZED REPRESENTATIVE:** EMMANUEL DUJARRIC **PHONE:** (904)332-8556  
**Email:** \_\_\_\_\_ **Mobile:** \_\_\_\_\_

**CONTACT NAME:** Kevin Krause **PHONE:** (904) \_\_\_\_\_  
**Email:** \_\_\_\_\_ **Mobile:** \_\_\_\_\_

**ENTITLEMENT PERIOD:** 2/25/2011 / 2/25/2016  
 (effective date) (end date)

**PART I: INSPECTION COMPLIANCE STATUS** (check  only one box)

IN COMPLIANCE  MINOR Non-COMPLIANCE  SIGNIFICANT Non-COMPLIANCE

**PART II: CONTROL TECHNOLOGY – Rule 62-213.300 FAC**

Vent type(s) at the facility: Aeration Room-- Sterilization Chamber-- Chamber Exhaust--

**Sterilization Chamber Vent**  
 Has one of the following emission control devices been installed? Yes-- No--  
 If **yes**, indicate type below.  
 Acid-Water Scrubber----- Thermal Oxidation Unit--  
 Catalytic Oxidation Unit-- Other-- \_\_\_\_\_  
*(Must submit information to DEP for approval)*

**Chamber Exhaust Vent**  
 No emission control device. *(must use direct measurement in Part III)*   
 Emissions manifolded to sterilization chamber vent control device.   
 Dedicated emission control device (indicate type below).-----  
 Acid-Water Scrubber----- Thermal Oxidation Unit--  
 Catalytic Oxidation Unit-- Other -- \_\_\_\_\_  
*(Must submit information to DEP for approval)*

**PART III: MONITORING REQUIREMENTS – Rule 62-213.300 FAC**

Has the facility conducted an initial performance test?  
(Existing facilities by 6/8/98; new sources within 180 days after startup)----- Yes  No

**Acid-Water Scrubbers**

What process parameter is the facility monitoring to determine compliance?  
ethylene glycol concentration--- scrubber liquor tank level--

If the facility is monitoring the scrubber liquor tank level, has a liquid level indicator been installed?----- Yes  No

**Catalytic/Thermal Oxidation Units**

Has the facility installed a temperature sensor that is accurate to within  $\pm 10^\circ$  F?---- Yes  No

Has the facility verified the accuracy of the temperature sensor?  
(must be performed semiannually)----- Yes  No

**Direct Measurement**

Has the facility installed a gas chromatograph?----- Yes  No

**PART IV: RECORDKEEPING REQUIREMENTS – Rule 62-213.300(3) FAC**

Has the facility maintained the following records?

Owner's manuals, designs specifications, and other instructional materials for the sterilization unit and control equipment.----- Yes  No

Records of ethylene oxide usage on a 12-month rolling average. ----- Yes  No

Records of all initial performance tests, including control efficiency determinations. Yes  No

Records of all temperature monitoring. (oxidation units only) ----- Yes  No  N/A

Records of all ethylene oxide concentration monitoring. (direct measurement only) Yes  No  N/A

Records of gas chromatograph calibration (direct measurement only) ----- Yes  No  N/A

Records of scrubber liquor level. (acid-water scrubbers only)----- Yes  No  N/A

Records of ethylene glycol concentration. (acid-water scrubbers only)----- Yes  No  N/A

Brenda L. Johnson

5/10/2012

\_\_\_\_\_  
Inspector's Name (Please Print)

\_\_\_\_\_  
Date of Inspection

2013

\_\_\_\_\_  
Inspector's Signature

\_\_\_\_\_  
Approximate Date of Next Inspection

**COMMENTS:** Per our conversation with Kevin the new Unit will start up by June 2012. No violations were noted at the time of inspection.