Cogeneration in Action at Dart Container

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Conestoga Landfill Certified Wildlife Habitat

WILDLIFE HABITAT COUNCIL

Boling Environmental Education Center →
Flare Setpoints & Alarms

- **Minimum Flare Flow Setpoint (SCFM)**: 0
- **Flare Sump Vacuum Transmitter Low-Low Level Alarm (-120)**: -30
- **Flare Sump Vacuum Transmitter High Level Alarm (+120)**: 50
- **Flare Sump Vacuum Transmitter High-High Level Alarm (+180)**: 15

Flare and Plant Data: Monday, January 14, 2013

<table>
<thead>
<tr>
<th>Caption</th>
<th>Value</th>
<th>Min</th>
<th>Max</th>
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<tbody>
<tr>
<td>Plant Discharge Flow</td>
<td>3,999.2 SCFM</td>
<td></td>
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<tr>
<td>Plant Discharge Oxygen</td>
<td>1.3 0.2%</td>
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<tr>
<td>Plant Discharge Methane</td>
<td>47.7 CH4%</td>
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<tr>
<td>Flare Inlet Vacuum Avg</td>
<td>-75.5 -75.2 °F</td>
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PLANT PID CONTROLLERS

1st Stage: Controls F-101 VFD, FV-002 and Cycling of Compressors E-101 thru E-401

Whenever CV% is the lowest in any of the Loops, the PLC will control that value to limit the output to the Variable Frequency Drive, E-101 and to the Recycle Valve, FV-002.

2nd Stage: Controls E-601 VFD, FV-001 and Cycling of Compressors E-501 thru E-701

Whenever CV% is the lowest in any of the Loops, the PLC will control that value to limit the output to the Variable Frequency Drive, E-601 and to the Recycle Valve, FV-001.