

Description of Services

Saturday, February 3rd, 2024

<p>Plant Drain and Influent Pump Station</p>	<p>Arrived on-site to the influent pumps not running. The VTSCADA and OIT's displayed IPS pumps #2 and #3 as running.</p> <p>I could not successfully ping the IPS PLC from the ESW in the Admin building. Both fiber ports (Ports 8 & 9) were showing activity on the IPS switch. Only Port 8 was showing activity on the Plant Drain Station switch. Discovered that the orange and blue pair of fiber running from the admin building to the plant drain were bad. I used a spare pair of fibers and established communications between the Admin building, Plant Drain control panel and the IPS control panel.</p> <p>The MCC buckets do not operate in hand and the bypass starter cannot be energized when there's a communications error. I spoke with Chris Atwood about adding a watchdog timer between each PLC to alarm and call out in the event of a future communications issue.</p>
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Summary of work completed:

- IPS troubleshooting, Found bad fiber optic termination between the administrations building and the planet drain panel.
- Hand and bypass contactors do not work in MCC when there's a communication error.
- Discussed adding watchdog timer in all PLC's to alarm in event of communications error.

Cc: Shane Munn – Lord & Company

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