

PURIFIER LN2 FILL PROCEDURE

Rev -

Author: Jordan Bohn

Date: 12/8/2022

Reviewer: Jake Kintner

Signature:

System Status

- Level A of purifier below 75% via purifier overview HMI page
- PTA below 3 psig via purifier overview HMI page
- LN2 shield not being filled
- PT-110-N reading 50-60 psig via ODH HMI page
- Ensure EV-102-N and EV-105-N are closed via ODH HMI page
- LN2 Tank is above 10 inwc.

Procedure

1. Open EV-200-N via ODH HMI page
2. Open EV-100-N via ODH HMI page
3. Monitor TE-104-N and TE-109-N, ensure they continue to fall to below 95K. This should take 5-10 minutes
4. When temperatures reach ~90K, Open VNFA via purifier overview HMI page
5. Immediately close EV-200-N
6. Monitor purifier level A and PT-A via purifier overview LN2 page on HMI
7. If PTA goes above 8psig, close EV-100-N
8. When level A reaches 90%, close EV-100-N
9. Open EV-200-N
10. Close VNFA
11. If needing to fill LN2 shield, transition to that procedure. If LN2 shield does not need filled keep EV-200-N open until transfer line warms up.