

# **LN2 SHIELD FILL PROCEDURE**

Rev -

Author: Jordan Bohn

Date: 12/8/2022

Reviewer: Jake Kintner

Signature:

## **System Status**

- LL-106-N reading below 75% via ODH HMI page
- PT-106-N below 1 psig via ODH HMI page
- Purifier not being filled
- PT-110-N reading 50-60 psig via ODH HMI page
- Ensure EV-200-N and PVNFA are closed via ODH and purifier overview HMI pages
- LN2 tank is above 10 inwc

## **Procedure**

1. Open EV-102-N via ODH HMI page
2. Open PV-100-N via ODH HMI page
3. Monitor TE-104-N, TE-107-N and TE-108-N, ensure they continue to fall to below 95K. This should take 5-10 minutes
4. When temperatures reach ~90K, Open PV-105-N to 100% via ODH HMI page.
5. Immediately close EV-102-N
6. Monitor LN2 shield level LL-106-N and PT-106-N via ODH HMI page.
7. If PT-106-N goes above 10psig, close PV-100-N
8. When LL-106-N reaches 90%, close PV-100-N
9. Open EV-102-N
10. Close PV-105-N to 0%
11. If needing to fill purifier, transition to that procedure. If purifier does not need filled keep EV-102-N open until transfer line warms up.