Target Shifts

1. You need to have all these trainings (see Training Requiremets and Roles) in your Fermilab ITNA.
   Link to the training page: https://www-esh.fnal.gov/pls/default/itp.html
   Contact Person to update your ITNA: Dee Hahn (FNAL) email: dhahn@fnal.gov
   Note: To access NM4 hall, you **must** have the 'Radiological Worker - Classroom (Virtual)' and 'Radiological Worker - Practical Factors' trainings completed.
2. Access to DocDB: https://seaquest-docdb.fnal.gov (you will need to use your Service Account Login credentials to access this page. Also, you may need to request access to e906/e1039 contents.
3. Link to the online strip charts: https://e906-gat1.fnal.gov/data-summary/e1039/
4. Accessing the target computers:

   For Windows OS: VNC Viewer on Windows Platform.docx
   For Ubuntu / Mac OS: First, Install a VNC Viewer on your machine. Then, on the command line: make sure you installed **Kerberos** on your computer, also you will need an account for e1039gat1: please contact Kun Liu to create one)
   > kinit -f <YOUR_USER_NAME>@FNAL.GOV
   (provide your Kerberos password)
   Then select the command from the following:
   > for QT computer:
   ssh -N -L 9999:192.168.24.199:5900 <YOUR_USER_NAME_ON_E1039_GAT1>@e1039gat1.fnal.gov
   > for Cryo computer:
   ssh -N -L 9998:192.168.24.17:5900 <YOUR_USER_NAME_ON_E1039_GAT1>@e1039gat1.fnal.gov
   > for NMR computer:
   ssh -N -L 9997:192.168.24.191:5900 <YOUR_USER_NAME_ON_E1039_GAT1>@e1039gat1.fnal.gov

   Then, open your VNC Viewer and type "localhost:9999" (for QT Computer), "localhost:9998" (for CCP Computer), "localhost:9997" (for NMR Computer). Password is the same as the one you use for tWiki.

   For Ubuntu: Follow the steps as mentioned in the document: Usage of Remote Access on UBuntu.docx
5. Helium Piping repair log (if you are aware of any planning to do work by opening the helium piping, then record the outside gHe tank pressure before and after the work on the following spreadsheet)
   https://myuva.sharepoint.com/:x:/s/as-physics-poltar/EfdYaKMJA3FGsmSNWzykfmcBRhUEJn_L6lpUnbzwn97EyA?e=JOQh9o
   Other useful links
6. FNAL elog: https://dbweb8.fnal.gov:8443/ECL/spin_quest/U/login
7. Full Target System's P&ID https://seaquest-docdb.fnal.gov/cgi-bin/sso/ShowDocument?docid=5834
8. Target system parameters spreadsheet: https://docs.google.com/spreadsheets/d/1rVhYVyClAVFNEt_vyj8aQ8GLVS3DRL51QKbansgkOr8
   Old file for inventory purposes (no longer in use since 01/01/2024) https://docs.google.com/spreadsheets/d/1EDTHSeUDGJ9b6beYizHEAJ8-Z1rAiQbZMgKhmloPLw8
9. How to order LN2 refill to the tank, gHe tube-trailer, LN gHe cylinders, and LN2 portable Dewars at FNAL (coordinate with the Target Expert on shift before proceeding with ordering).
10. How to request NM4 (EXP27) and Building 327 (A5BB2) key
11. Inventory list (at Counting room) [Supplies Catalog]
12.

Target Roles:

1. Target Expert
2. Target Operator
3. Target Helper
4. Target Trainee

SpinQuest Polarized Target System Manual