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Supersedes:
Related Documents:

3600 Accelerator Track Shutdown Procedure

I. PURPOSE AND OBJECTIVE:

The 3600 Accelerator Track is the automation line that is used to process samples in the Automated Chemistry Lab. This procedure provides detailed instructions for the controlled or emergency shutdown of the automation line.

II. DEFINITIONS:

A. IOM – Input / Output Module
B. SRM - Storage and Retrieval Module
C. RIM – Rack Input Module

III. PROCEDURE:

A. Remove all samples from the Automation System before performing this procedure. For controlled shutdown stop loading samples 30 minutes before shutdown will be performed. If necessary, initiate the Purge samples procedure.
    1. In the Automation drop down Menu select “System”
    2. Select the “Utilities” tab.
    3. Select “Purge”
    4. Type “YES” to confirm; the Automation will unload the sample tubes to either IOM 1 or 2.
    5. Remove the full Priority Output racks from the IOM and remove the sample tubes.
    6. Reinsert the empty racks on the IOM lanes and repeat until all samples have been unloaded from the track

B. Ensure that all racks are stored in the SRM. Follow the procedure below to return any racks on the table to storage.
    1. Place the SRM in an Off-line status.
    2. Access Diagnostics-Conveyor, Shutter, Refrigerator
    3. Initialize the Conveyor to return the racks to the SRM

C. If needed the purge may be interrupted by following the steps below.
    1. In the Automation drop down Menu select “System”
    2. Select the “Utilities” tab
    3. Select Purge and confirm the “Quit Purge” pop up.

4. All samples present on the track at the time of the “Purge” command will be unloaded from the Automation System. The “Quit Purge” command allows new samples to be loaded on the track.

D. Remove all samples from the Centrifuge Module if required. You may have to open the centrifuges manually and remove specimens.
E. Ensure all Automation Modules and Analyzers Interface Modules are not in Error Status before performing the System Shutdown procedure. If necessary perform the following procedure to recover from error condition.
    1. Press the “Off-line” function button of the module that is in Error status.
    2. Follow the Error Recovery Procedure on the screen.
    3. Leave the module Off-Line if you wish to have it off-line at the next System Start-up
    4. Press the “On-line” function button to resume from the Module Error.
    5. If one or more modules are left in error status at shutdown, the Software will ask confirmation before shutdown. If shutdown is confirmed, the Software will leave the Module Off-line at Start-up.
F. Unlock and remove all Racks located in the IOM lanes at both IOM 1 and IOM 2.
G. Close the application of the Automation System at IOM 1 as follows.
    1. In the “Automation” drop down Menu select System
    2. Select the “Utilities” tab
    3. Press Shutdown
    4. Press YES to confirm
    5. Wait until the application is closed.
H. At IOM 2 turn off as follows
    1. Log out from the IOM.
        a. Select “a3600 Supervisor”
        b. Select “Logout”
    2. Select “Start” at the bottom of the screen
    3. Select “Shutdown”
I. Turn off the Main Power Switch.
    1. Main power is located behind the panel on the back side of the RIM. The handle to open the door is on the top of the power box.
    2. Push the track lever down to turn off the track (5QF1 breaker)
J. Wait 5 minutes and switch the Main Power Switch on.
K. Wait for the Flex Lab Screen to appear on the IUI screen at IOM 1.
L. Launch Chrome at IOM 1 and log in to get the Overview Screen for IOM 1
M. Launch Chrome at IOM 2 and log in to get the Overview Screen to IOM 2
N. Log into Dream. The Password changes daily. The Month + Day and # is the daily password. (example October 31 the Password is 41#)
O. Push all racks back into both IOM once the IOM is blue.
P. Select Start on the IUI screen to start the track and fully initialize all modules.

IV. REFERENCES

Abbott Automation System Operation Manual

Document Control

Location of Master: Master electronic file stored on the Beaumont Laboratory server under
S:/AutoChem/DocCont/CSL/ARC-Architect

Master printed document stored in the Abbott Chemistry Technical Procedure Manual in Core Lab
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