

RRPL Operations

- RRPL - Week of 05/05:
 - Production
 - Ac-225 Pre-Processing
 - Ac-225 Chemical Processing
 - Researchers
 - Separations and Labeling R&D
 - F&O
 - Strobic, Exhaust Fan maintenance, Remove line voltage thermostat and install blank cover over box; F&O installing new exhaust Fan & HEPA filter system for 2-66C- roof top work
 - Coming weeks:
 - Ac-225 Processing / Shipments
 - Waste Processing

BLIP Schedule / Future Irradiations

Proposed Start Date	Proposed End Date	LINAC Energy (MeV)	Current μA	Raster Conditions	Comments
May 23rd, 2025	June 3rd, 2025	200	150	10:1	N/A
June 4th, 2025	June 6th, 2025	117	62	5.5 mm	Tentative
June 16th, 2025	June 27th, 2025	200	150	10:1	N/A

BLIP Operation – Operational

- BLIP Tasks:
 - Cooling system upgrade:
 - Chillers require 24-hr for crankcase heater warmup prior to operation. Therefore, cannot immediately switch to backup chiller until installation of electrical panel is performed next year with target water cooling system replacement – currently chiller No 2 is energized.
 - Chiller No 2 concrete pad needs to be secured better and space under it filled. Masons will perform this task when the weather is warm enough for concrete to cure - The work is in progress
 - Next irradiation scheduled for May 23rd

Cyclotron Activities

Commissioning Path Forward: Started Commissioning Module II

- Commissioning is on hold pending resolution of RF breaker trip issue
 - ❑ RF breaker trip issue
 - USI for RF bypass and testing **extended** to address testing of amplifier controls in vault room.
 - **New amp failed vendor QA testing. Vendor continues to be unresponsive/unreliable. Seeking quotes from alternate vendors for a new amplifier.**
 - **Damaged amplifier shipped to Florida based specialist RF repair company (5/5) Approx. 2- week turnaround time.**
 - ❑ USI for Machine Protection Function, with 5-section delay to resolve issue. DOE-BHSD approval on 3/26. ACG completed Hardware mods in control room on their systems. Software and V&V to be completed. Addition of input to PLC cabinet for 5 second delay as part of Machine Protection modification.
 - ❑ USI in development for new access controls 'testing/tuning mode'.
 - ❑ Glycol pump replacement in MER subject to not impinging contactor activities. tentative replacement on 5/8.
 - ❑ ESH approved for removal of current robot/installation and new Robot to the vault area 4/23 (Risk assessment approved) Awaiting rigging group.
 - ❑ Vault room temperature / humidity controls path forward
 - MPO CURL project to replace entire HVAC unit – MPO is ready to start (~5+ weeks duration). **Dominion contractor work start in mechanical room as of 4/15. Roppelt power shutdown in MER-upgrade for new HVAC panel completed. Roof/ slab area work delayed this week due to weather.**