

RRPL Operations

- RRPL - Week of 06/23:
 - Production
 - Bi-213 Generator Research/Evaluation
 - Ac-225 Waste Removal
 - Ac-225 Pre-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:
 - Waste Removal
 - Ac-225 Processing

BLIP Schedule / Future Irradiations

Proposed Start Date	Proposed End Date	LINAC Energy (MeV)	Current μA	Raster Conditions	Comments
June 16th, 2025	June 27th, 2025	200	150	10:1	N/A
June 27th, 2025	June 27th, 2025	117	100	5 mm	Tentative, 60 second irradiation
June 27th, 2025	June 27th, 2025	66	1	Focused	4-8 Hour

BLIP Operation – Operational

- 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 in service.
- Chiller No 2 concrete pad secured and space under it has been filled. Wooden formwork to be removed.
- Single Th target irradiation started on Monday 06/16 and will end Friday 6/27
- Two research irradiation will happen on Friday 6/27 after Th irradiation

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: **additional request to extend DOE authorization to 10/31/25 was made on 6/11.**
 - Damaged amplifier shipped to Florida based specialist RF repair company (5/5). **Repair work complete-Arrived 6/23. Unpackaging & Inspection. Coordinate with C-AD RF Engineer for testing.**
 - ❑ USI for Machine Protection Function, with 5-section delay to resolve issue. DOE-BHSO approval on 3/26. **ACG downloading and testing modified PLC code, complete.**
 - ❑ USI in development for new access controls 'testing/tuning mode' – **USI drafted/incorporated ACG technical details; sent to C-AD for ESH review. Meeting was held 6/4 to discuss and have scheduled further weekly meetings until draft is finalized.**
 - ❑ Glycol pump replacement in MER completed. **Scheduling with FPM/ AC group to change out old glycol. Rad survey required of old glycol before removal. Glycol ordered, 2 – week lead time.**
 - ❑ New robot relocated to the vault area 5/7. Requires new risk assessment – Review held with **ESH SME, Risk assessment sent back for review, and we are currently working on the work permit.**
 - ❑ Vault room temp./humidity controls path forward - **MPO CURL project to replace HVAC unit on hold due to compromised insulation and deteriorated moisture barriers in roof slab before proceeding with slab penetrations.**
 - ❑ Re-roofing started 6/16 and will take approx. 2 weeks (weather dependent)