

RRPL Operations

- RRPL - Week of 05/27:
 - Production
 - Ac-225 Waste Processing
 - Nuclear Transition Procedures
 - 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

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 9th, 2025	June 10th, 2025	66	0.1	None	24h Foil
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
 - The beam is currently ON – irradiation of Th target since May 23rd. Will continue until June 3rd.

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.**
 - **Damaged amplifier shipped to Florida based specialist RF repair company (5/5) Approx. 2- week turnaround time. Vendor received updated purchase order from BNL, and repair work has begun (5/22).**
 - ❑ 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 in progress. Addition of input to PLC cabinet for 5 second delay as part of Machine Protection modification. **ACG downloading and testing modified PLC code 5/28-projected finishing of modification 6/6**
 - ❑ USI in development for new access controls 'testing/tuning mode' – **USI drafted/incorporated ACG technical details; will send to C-AD ESH early this week**
 - ❑ Glycol pump replacement in MER completed. **Scheduling with FPM/ AC group to change out old glycol. Rad survey required of old glycol before removal.**
 - ❑ New robot relocated to the vault area 5/7. Requires new risk assessment - **coordinating this with ESH SME-5/29.**
 - ❑ Vault room temp./humidity controls path forward - **MPO CURL project to replace entire HVAC unit on hold due to compromised insulation and deteriorated moisture barriers in roof slab before proceeding with slab penetrations.**
 - ❑ **Re-roofing will take approx. 2-3 weeks (weather dependent); tentative start in June**