

RRPL Operations

- RRPL - Week of 06/02:
 - Production
 - Ac-225 Waste 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
 - Transfer of Th to RRPL and Shipment to ORNL

BLIP Schedule / Future Irradiations

Proposed Start Date	Proposed End Date	LINAC Energy (MeV)	Current μA	Raster Conditions	Comments
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

- 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 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 as of June 3rd
- Insulation of chilled water system pipes started last week and continues this week.
- End of beam for Th this morning at 09:00 AM.
- Beam is OFF, next irradiation Monday 06/09
- IAEA inspectors training - Monday 06/02

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). Repair work complete, and expected ship date is 6/3.**
 - ❑ USI for Machine Protection Function, with 5-section delay to resolve issue. DOE-BHSO 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 6/2 -projected finishing of modification 6/6**
 - ❑ USI in development for new access controls 'testing/tuning mode' – **USI drafted/incorporated ACG technical details; sent to C-AD for ESH review**
 - ❑ 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 - **ESH SME currently reviewing, will send out the RA for comments later today 6/3**
 - ❑ 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 will take approx. 2-3 weeks (weather dependent); tentative start in early June**