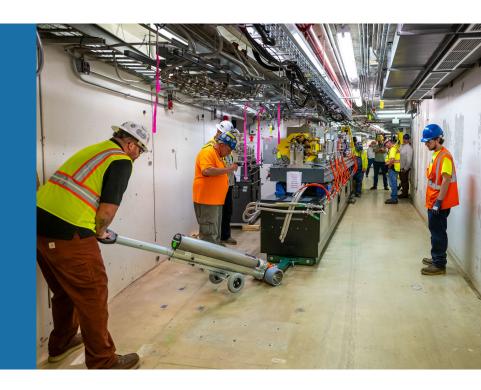
APS Upgrade Update:

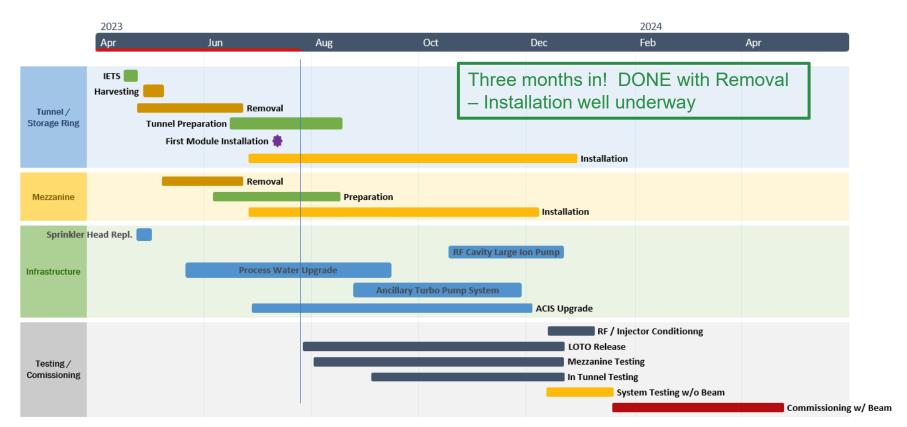
Jim Kerby Director, APS Upgrade Project







STORAGE RING SCHEDULE

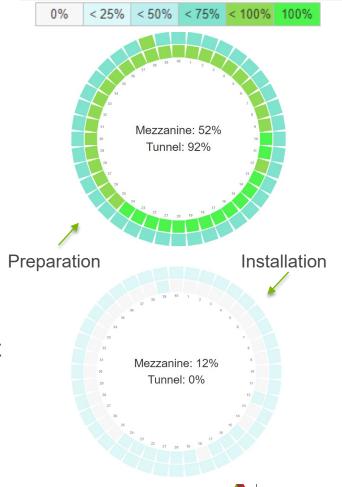






ACCELERATOR STATUS

- Removal complete
- Installation in progress
 - Relay rack installation ongoing, QA started
 - Cable pulls ongoing
 - Plinth installation ongoing
 - Wall collimator installation ramping up
 - Beamline tie-ins nearing completion
- Detailed HEC Phase 3 Status posted on SharePoint







PROGRESS IN PICTURES



Storage Ring Enclosure, June 9



Sector 24 looking upstream, July 19





BEAMLINE STATUS

- Completed Work
 - 8-ID mirror installation (aligned and accepted)
- In-progress
 - 19-ID mirror installation prep
 - 9-ID enclosure (completing railing and trim)
 - 20-ID enclosure (structural elements complete)
 - 28-ID component harvesting
 - Ongoing utility modifications
- 11-ID DMM installation using new survey information



11-ID-A DMM system installation

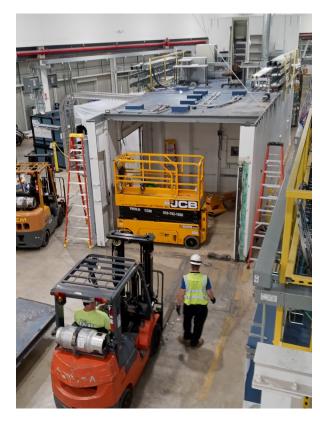


20-ID-D enclosure installation.





PROGRESS IN PICTURES



15-ID enclosure teardown



S20 wall collimator fit up



Front end install in the cozy confines of the S24 area

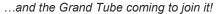




PROGRESS IN PICTURES



9-ID Enclosure

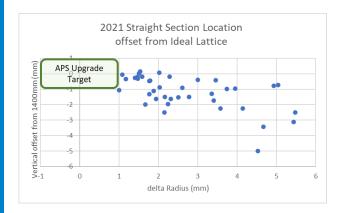


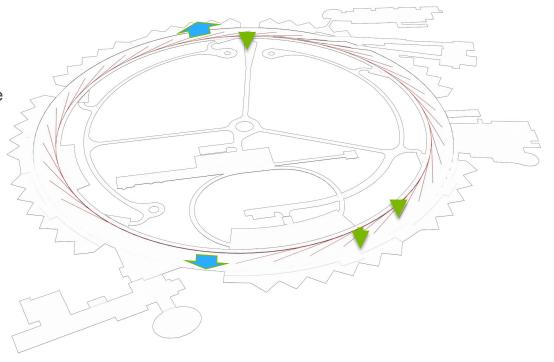




FEATURES OF A GREAT FACILITY

- The 2023 storage ring was not a perfect circle!
- Reinstalling using state-of-the-art alignment network
- The APS-U will be installed as "perfectly" as possible, and beamline reference lines set consistent with the installed machine









KEEPING US ALL INFORMED

- Weekly update if you aren't on the email list already, email pow@anl.gov
- Plan of the week is in the box folder and attached to the email
- Thank you all* for your continued safe work as a team!

* All PSC, NWS, PMO, FAC, Central Shops, Rigging, Shipping & Receiving, Procurement, Legal, Finance, Safety, QA, Fire Protection, HR, Rad Protection, Security, IT, OTD, Site Office, Comms, PSE Physics...



PLAN OF THE WEEK FOR JULY 24 -30, 2023

INSTALLATION REQUIRES ADEQUATE SPACE IN THE TUNNEL AND AN AREA CLEAR OF ONLOOKERS. PLEASE RESPECT THE WORK OF OTHERS, FOR SAFETY KEEP EXIT PATHWAYS CLEAR AND LEAVE SPACE TO ACCESS ELECT PLEASE FOLLOW ALL SIGNS AND POSTINGS, REMEMBER, NO FOOD OR DRINK IN THE STORAGE RING!

ACCESS LIMITATIONS



Proper PPE - hard hats, safety glasses and over-the ankle safety boots - is required at all times in all construction areas:

- Storage ring
- Storage ring mezzanine
- Experiment floor sectors 8, 9, 15 and 20

Please note that other work will be happening outside of these areas. Be alert and obey all construction signs and barriers. Please contact floor coordinators to schedule any experiment floor work.

QUESTIONS ABOUT THE PLAN OF THE WEEK? FMAIL POW@ANLGOV

SIGNIFICANT WORK ACTIVITIES

STORAGE RING WORK

- Plinth installation in sectors 13-15, and 18-20
- Front end installations in experiment floor sectors 14-16 and 21-23
- First QMQ (bridge) module installations in sectors 17 and 24
- Wall collimator alignment and lead brick installations in sectors 10-
- Network tie-ins in sectors 1-7 and 26-35
- Mezzanine ductwork in sector 38
- Front end cables installed on mezzanine and in storage ring tunnel in sectors 12-14 and 18-20
- Installing drops and mains in sectors 5-9 and header tie-ins in sectors 16 and 23
- Power supply cable installation in sectors 1-4, 18, and 19
- Variable frequency drive installation in mechanical mezzanine

- Construction in sectors 8, 9, 15 and 20
- Finishing trim and railing infrastructure at 9-ID
- Shield enclosure tear-downs in sector 15 and finishing structural elements on 20-ID-D enclosure
- Installation of optics in sectors 8, 11, 19 and survey work for secto
- Minor utility work in sectors 1, 2, 5, 8, 10, and 13

Technical power will be restored to storage ring mezzanine sectors 10-25 on 7/24 to start test and checkout of equipment in sectors 17-18. View status

Work on the water system in the booster

REMINDERS

- Storage ring tunnel is a controlled access area; if you remove anything you did not bring in with you, call a health physics technician for a radiological survey
- Access Smart Cards at www.aps.anl.gov > Safety > PSC Safety Resources > Management Tools
- Wear proper PPE for the job!
- Parking passes for deliveries available from Ed Russell. Please return ASAP after delivery
- Toolbox talks slides are archived in this folder

THE FULL PLAN OF THE WEEK (POW) SPREADSHEET IS AVAILABLE IN THIS BOX FOLDER DOWNLOAD THE GUIDE TO THE SHUTDOWN



