

Painting begins on containment dome

Painting of the containment dome commenced last Thursday when teams began to put a thin coat of primer in the center of the dome.

Over 60 team members, made up of painters, spotters and dome coordinators, are working to apply two thin coats to the 40,000 square-foot dome.



Cannon-Sline workers, applying paint to the dome of the Containment Building.

We are applying two thin coats instead of one heavy coat to prevent shadowing, the effect of seeing dark shadows under light paint, and also to stay within design requirements of thickness. Coating inside containment cannot exceed a certain thickness because it could affect the temperature and design basis function of the plant. To accommodate this, workers spent the past four months stripping the dome surface to bare metal using power tools.

“Our team has been safely coordinating the painting work with the polar crane activities, a huge task that is extremely important,” **Lynn Harder**, project manager said. “We are on schedule to finish before restart.”



Workers positioned to paint the containment dome

Fuel-handling equipment upgrades

Many of our work activities include upgrading or replacing equipment in preparation for restart. One of these projects is the main fuel-handling bridge modification, scheduled to begin this week.

The main fuel-handling bridge is used to move the assemblies and control components within the refueling canal. When the scheduled modification is complete, the equipment will have increased reliability, speed and control.



Main fuel handling bridge during 13RFO and before the modification

“All of the electrical controls, motors and the control console will be upgraded to a newer design,” **Glenn Mitchell**, project manager, said. Glenn is a system engineer at Perry and has temporarily joined the D-B team for the modification. “This will reduce the bridge setup times during a refueling outage by at least eight hours.”

Another major improvement is redesigning the cabinet that houses the control and electrical wires. Currently, the cabinet stands six feet high and four feet wide, which blocks the view of the person operating the equipment. A new cabinet will stand four feet high and about five feet wide, clearing the area for better visibility.

“And both the cabinet and control console will be made of stainless steel, which doesn’t require painting,” Glenn said. “They are also removable and can be taken out of containment during plant operation. This will extend the life of the equipment and allow us to test

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D-B enters deep drain condition Work begins on reactor coolant system

Operations will begin lowering the reactor vessel water level later this week, putting the plant in a deep drain condition for the next five weeks to work on the reactor coolant system.

“The deep drain condition is significant and requires the attention of everyone on site,” **Mike Roder**, Operations Manager, said. “The entire team needs to be alert during this condition because of the changes in radiological conditions.”

The plant is considered to be in a deep drain condition when the reactor coolant system water level is below the reactor vessel flange level. Typically, this is performed at the beginning and end of a refueling cycle to either install or remove steam generator nozzle dams, which are plugs that prevent water from getting to the steam generator during refueling.

We are undertaking a deep drain now to perform maintenance on several different projects, including the reactor coolant pumps, which are critical path. We will also work on valves, replace thermowells on the reactor coolant system and inspect the thermal sleeves on the high-pressure injection system.

The reactor vessel water level will later be lowered even further to work on the decay heat removal system, requiring the incore detectors to either be partially or completely pulled to lower the radiation exposure.

The incore detectors are inserted through the bottom of the reactor vessel to measure power level and temperature inside the reactor. Even though the core is defueled, the incore detectors make the area highly radioactive.

Operations will use a new Foreign Object Search and Recovery (FOSAR) system for this deep drain to help eliminate foreign material in the reactor vessel. The water is strained while it drains from the reactor vessel to the refueling canal deep end, where it is held while the deep drain work is in progress.

Radiation Protection also plays a very important role in deep drain work by assessing and projecting the radiological conditions. The water level is maintained as high as possible as long as possible, while still allowing us to perform the work, in order to provide the most shielding to our workers.

“We have prepared for this condition for weeks now,” Mike said. “Now we just have to get in there and do the work safely and efficiently.”

Fuel-handling equipment upgrades

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and upgrade equipment when we do not have containment access.”

STEARNS, a vendor contracted by Framatome, is supplying the design and parts for the project and will work with our shop electricians to install the new equipment. The project is scheduled to be done in about a month.

Much of the equipment currently on the fuel-handling bridge is the same equipment that was installed in 1972, most of which cannot be replaced because the parts are no longer available. The current control console and control rod mast were upgraded in 1986.

FENOC names Access Authorization manager

Nick DiPietro, supervisor of Site Buildings at Beaver Valley, has been named to the newly created position of manager – Access Authorization, of FENOC, effective Oct. 28. He will report to **Ken Pech**, director of FENOC Nuclear Services.

In his new position, Nick will be responsible for access authorization, Fitness-for-Duty and health services at all three FENOC sites. He will also develop and establish common practices and standards for these programs throughout FENOC. The Nuclear Services Department was created in July as one of several steps to strengthen FENOC and move it to a more fleet-focused organization.

“Nick has a solid background in nuclear security, which will be an asset in our efforts to standardize various engineering and support services functions within FENOC. We look forward to having Nick as part of the Nuclear Services Department team,” said Ken.

Nick began his career at Beaver Valley in 1981. He has more than 20 years experience and has held various supervisory positions in nuclear access and security. In addition, he has worked in radiation protection and operations.

He earned a bachelor’s degree in Applied Science – Law Enforcement Administration from Youngstown State University and an associate’s in Criminal Justice from the Community College of Beaver County (PA).

Boy Scouts enjoy weekend at D-B



Plant Manager **Randy Fast** shakes the hand of one of the scouts that attended the Atomic Energy Camporee Oct. 18-20.

More than 200 Boy Scouts and leaders attended the 5th Davis-Besse Atomic Energy Camporee

held at the plant Oct. 18-20. Troops from all over Ohio and southeast Michigan, some traveling nearly four hours, participated in the event to receive their Atomic Merit Badges.



D-B volunteer **Bob Morrison** talks to scouts and leaders about fuel assemblies

High winds Saturday morning forced the annual flag ceremony inside to the Energy Education Center, where Plant Manager **Randy Fast** welcomed the scouts. During the course of the day the scouts attended classes, visited the simulator and took part in a wildlife presentation.

This event continues to be very popular with area Boy Scouts and their leaders. **Randy Burk**, Operations, event coordinator, said the level of interest in the event is incredible.

“The event fills up in about three weeks and I have a waiting list with over 1,000 scouts and leaders,” he said. “We have started holding the Camporee in the spring and fall to accommodate more people.”

Many thanks to the D-B volunteers who helped to make the Camporee a success: **Jeff Cuff, Bob**

Morrison, Jim

Adams, Bruce Zibung, John Ashcraft, Jack Reuter, Tim Brooks, Tim Bolton, Randy Burk, Craig Strumsky, Nate Wahl, and Larry Keller.



Scouts participate in the annual flag ceremony in the Energy Education Center at the Atomic Energy Camporee

Scout soars high

Congratulations to 16-year-old Eddie Bialorucki, son of **John Bialorucki**, Maintenance Support, who recently passed his board of review to become an Eagle Scout!

To become an Eagle Scout you must earn 20 merit badges, advance through all the Boy Scout ranks and complete a final project with at least 100 hours of associated work. Eddie's project included landscaping around the field house at his high school.

Eddie is a junior at Perkins High School in Sandusky. He is also a senior patrol leader for St. Mary's Troop 7.

Thanksgiving holiday

Questions about the Thanksgiving holiday work schedule arose during the latest Four Cs meeting. Below is an outline of the schedule for the holiday.

Management and non-union personnel:

Thursday and Friday are eight-hour paid holidays

Union 245, 1413 and 19 personnel:

Thursday is an eight-hour paid holiday, Friday is a non paid holiday day

Note: Some critical path work will continue through the holiday. Check with your supervisor for your specific work schedule.

Work activities for the week of Oct. 28

Critical Path

- Remove reactor coolant pump 1-1 and 1-2 interference for gasket replacement
- Prepare for and drain reactor coolant system to 54 inches for deep drain activities
- Modify emergency sump

Ongoing activities:

- Work on containment air coolers
- Containment painting
- Install tubes in high-pressure feedwater 1-6
- Replace stators and torque control rod drive mechanisms

Upcoming activities:

- Complete Auxiliary Boiler Startup and put station heat in service
- Refurbish station air compressor motor at vendor
- Repair auxiliary transformer 11 leaks

Safety manual revisions

The FENOC Safety Manual has been revised and will be distributed to employees by their Safety Committee Representative beginning Nov. 1.

Revisions were made in the areas of barricades and carriers, compressed gas cylinders, confined space, crane operation and rigging practices, excavations, fall protection, hand and portable tools, heat stress, incident reporting, ladders, lead, lift-truck operation, personal protective equipment and pre-job briefs.

Please review this information carefully to continue to help keep our plant a safe working environment.

The revisions can be viewed by going to the Davis-Besse web page, Safety/Emergency Preparedness, and Industrial Safety. Questions can be directed to the Safety unit, ext. 2410, 7522 and 7562.

Quick notes:

Fire response

When the fire alarm is sounded, *all* personnel not directly involved should leave the area immediately and remain clear until the Fire Brigade releases the area for access.



Handicapped parking

Vehicles parked in handicapped parking spots must display the appropriate tags. Please do not use these spots unless you have these tags.



Operating Experience

Surry

An equipment reliability engineer rotated a pump by hand that was not tagged out. One cause is the failure to use the event-free human performance tools (e.g., Stop, Think, Act, & Review or STAR), pre-job brief, peer-check, questioning attitude, procedure compliance, situational awareness, and stop when unsure. Another cause was the engineer considered that since the pump was located over a mile away from the station, the tagout would take a considerable amount of time to process. (OE 14831)

FitzPatrick

During a start-up, the wrong control rod was withdrawn. The cause was less than adequate error detection practices. The operator used a flawed self-checking technique by verifying that the rod he selected was the one that lit up on the core display. The independent verifier became too involved in the actions of the operator and fell into a coaching role instead of an independent verifier. (OE 14857)

Have you looked at your badge lately?

We want your badge photo to reflect the real you. Have you grown or shaved a beard or mustache? Do you have a different hair color? If so, please stop by Access Control, on the first floor of the Training Center, to get a new photo.



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