



FPL Nuclear Power Plant

Blue Works Breezes Through CIPP Lining of Nuclear Power Plant with Armed Homeland Security Over Watch



Job Breakdown

- | | |
|---------------|--------------------------------------------------------------------------------------------------------|
| Site | Undisclosed FPL Nuclear Reactor Facility, Process Drainage near Flex Building |
| Piping | 24" Corrugated Metal Storm & Process Water Drain from Main Retention Pond to Exfiltration |
| #1 | Photo of Reactors from Work Area, Steam in Foreground is from Liner Cooking Process |
| #2 | Lower Left: Before Photo of Pipe, Corrugated Metal with Holes allowing Rocks and Sand In. |
| #3 | Lower Right: After Photo of Pipe, With A structural CIPP Liner with Specified Load Design Calculations |



Comment by FPL Supervisor

"Wow, you really don't have to tell your guys much, everybody knows what the're supposed to do, seriously"

- Anonymous

Same Work New Tricks

After Years of Water Inverted Liners Cured with Boiler Cure, Air Inversion with Ambient Cure & Cementitious Mortar Spin Casting, Blue Works Acquired a Turn Key, Mid-Large Diameter Air Inversion CIPP Liner Shooter & Steam Curing System, allowing for CIPP Liner Inversion in less than an hour & a 90 Minute Cook Time, to complete the CIPP Liner Installation in an 8 Hour Day.

Time was of the essence on this project, due to the restrictions of a Homeland Security Protected Nuclear Reactor Facility, the required amount of Customer Staff, Safety & Security Personal Coordination, overtime due to delays is extremely expensive for the facility as the painful coordination required four different Contractor oversights, Job Site Safety, Nuclear Contamination Safety, Project & QC Control and On-Site Armed Security Personal (Automatic Weapons.)



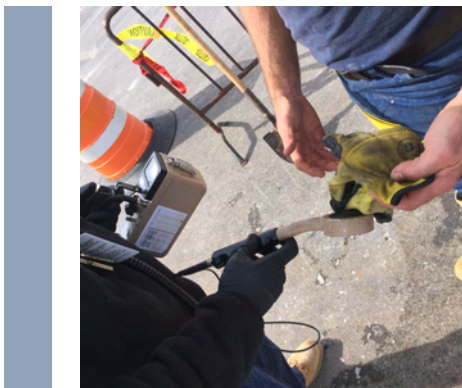
“We wish we had known about you guys on the last project, we couldn’t believe the costs”

Safety for the Nuclear Facility is Job #1, and the biggest component of the Completed Project Evaluation

During the submittal process, prior to being onsite, the Customer's Biggest Concern was Blue Works Injury Loss Rate, this is a rate identified by our insurance carriers, in direct correlation with our worker injury claims. Although our rate was well below the threshold we had no idea how aggressive safety would be on this job, having said that we have a

new respect for the volume of training the Customer & its Contractors undergo. We learned a lot from these guys and are big advocates of the FPL brand & the quality of People they employ. One of the Blue Works Technicians called his current electric provider on his lunch break, and attempted to switch to FPL, stating, “FPL is nicer to me”.

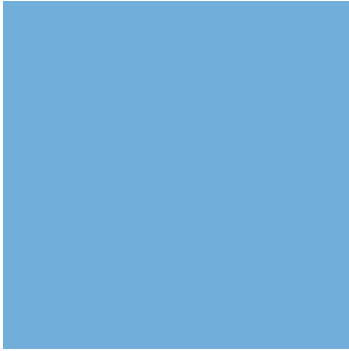
Even though the holes were only 6' Deep, Blue Works provided Full Restraint Fall Protection, while the holes were open, including Air Testing Equipment, Ventilation Equipment, Retraction Equipment, Maintaining a 6' no un-restrained personal radius around the holes with a Hard Barrier to boot, personal checks were mandatory.



Nuclear Contamination Monitoring

During the entire Project, the Customer provided a On-Site Nuclear Safety Technician who's sole job was to test all personal, tools and equipment that entered the hole with

a Geiger Counter, each time it entered and exited the hole. This included hands, boots, tools and sunglasses. Although nothing was contaminated, one of our Tech's dropped his Costa's and our Monitor laughingly declared he must confiscate them for safety purposes.



Getting the Job Done

Set-Up, Safety, Quality & Speed

Notwithstanding the Armed Guards with Machine Guns, Nuclear Reactors & an Organization with 15 Billion Dollars in Annual Revenue, Blue Works was assigned with the primary task of Inspecting, Cleaning and CIPP Lining a Corrugated Metal Storm & Process Water Drain, that was being force fed by an 8" Mechanical Pump, without being seen or heard by the Customer, it's management or disrupting the daily operation. The standard operating procedure for the plant in the event of a non-fatal injury or Contractor Work Failure is a plant Lockdown until following day. Blue Works Mantra is Projects are Won or Lost in the Set-up and Wrap-Up. The Project was staged over a 3 Day

Period. 1st Day was On-Site Mobilization, Safety Training & Project Brief, Pre-Inspection, Cleaning, Post Cleaning Inspection and CIPP Equipment Staging. 2nd Day was Equipment Test, 3,000 lbs. CIPP Liner Delivery in a 35 degree refrigerated truck, Liner Inversion, and Steam Cure with Two (2) Diesel Fired Dry Steam Generators, Heating Water to 400 degrees Fahrenheit, with Manifold Heat @ 275 Degrees at 30 PSI. 3rd Day was Jobsite Breakdown, Punch-Out and Clean-Up with a 4th Day allocated for project defect remediation.

(continued)

Project Issues:

Even though the Project was a Success by all measure, it didn't go without its share of issues with immediate action required to meet demands. The Piping started to fail during the Cleaning Process and had to be completed with adjusted equipment without finish product compromise. The down stream needed emergency 36" Plugging, the Liner had to be shot backwards due to access. The Condensation from the steam had to be pumped from the head and by-passed to a downstream manhole, and the spear blew out during the cook. But we're proud of these challenges, after-all, unless we told you, the pipe, the customer and staff wouldn't have known it, because that's the Blue Works Difference, knowing how to fix problems, so you don't have too.

Staging & Set-up was Critical at the Newly Installed Flex Facility, having A Clear Line of Sight, meant just that, from every angle

**Blue Works Incorporated**

Clearwater, Sarasota, Naples

Jacksonville, Miami, Orlando

(877) 258-3664

customercare@blueworkscompany.com

team@blueworkscompany.com

