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Your ref:

Our ref: LTR-RAC-23-06

January 30, 2023

SUBJECT: WESTINGHOUSE 10CFR70.72 FACILITY CHANGE REPORT

Westinghouse Electric Company LLC (Westinghouse) hereby submits the report of Columbia Fuel Fabrication Facility (CFFF) changes that did not require Nuclear Regulatory Commission (NRC) pre-approval in accordance with 10CFR70.72. This report addresses those changes completed within calendar year 2022. Westinghouse had no facility changes that required NRC pre-approval during this time period.

Westinghouse uses an integrated safety review approach for all modifications of, or additions to, existing structures, systems and components at the CFFF. This process is described in and conducted in accordance with the requirements of CFFF Regulatory Procedure RA-104, "Regulatory Review of Configuration Change Authorization." This integrated review is conducted by the various regulatory disciplines, including Nuclear Criticality Safety, Radiation Safety, Environmental Protection, Safeguards, Fire Safety, Chemical/Industrial Safety and other applicable Health and Safety experts when necessary. A key aspect of this review is a determination that the change is not prohibited by 10CFR70, a SNM-1107 license condition, or a governing order. The reviewers also determine whether NRC pre-approval and SNM-1107 license amendment changes are required prior to implementation.

Specific guidance is provided to ensure that NRC pre-approval is obtained for changes that:

- create new types of accident sequences that, unless mitigated or prevented, would exceed the performance requirements of 10CFR70.61 and that have not previously been described in the Integrated Safety Analysis (ISA) Summary;
- use new processes, technologies or control systems for which the licensee has no prior experience;
- remove, without at least an equivalent replacement of the safety function, an Item Relied On For Safety that is listed in the ISA Summary and is necessary for compliance with the performance requirements of 10CFR70.61; or
- alter any Item Relied On For Safety, listed in the ISA Summary, that is the sole item preventing or mitigating an accident sequence that exceeds the performance requirements of 10CFR70.61.

Each of the Configuration Control Forms (CCF) identified in the attachment to this correspondence were evaluated in accordance with the RA-104 procedure, and a determination was made that NRC pre-approval of the respective change was not required. This determination was documented on each change authorization form by the appropriate regulatory engineering review functions. For all of these changes, the regulatory engineering review function checked the "No" box on the form for "NRC pre-approval required?"

If you have any questions regarding this information, please contact me at (803) 647-1957.

Sincerely,

Patrick Donnelly

[Patrick Donnelly \(Jan 30, 2023 14:36 EST\)](#)

Patrick Donnelly,
Regulatory Affairs Manager
Westinghouse Columbia Fuel Fabrication Facility
Docket 70-1151 License SNM -1107

Attachment 1: Westinghouse CFFF 2022 Facility Change Report (34 pages)

cc:

NRC, Ms. Jennifer Tobin

NRC, Mr. Thomas Vukovinsky

Attachment 1

Westinghouse CFFF 2022 Facility Change Report (34 pages)

Westinghouse CFFF 2022 Facility Change Report						
CCF Number	Title	Description	Justification	Location	ISA ID	Phases Approved for Startup
18136	Chemical Cooling Tower Water Treatment Upgrade	CCF to replace the existing cooling tower chemical controllers with an advanced model. The new model will continue to monitor and control pH, and control conductivity. The advanced controller will also monitor and control free chlorine residual through ORP and will monitor and control inhibitor level by measuring the amount of fluorescent tracer from the inhibitor chemical in the sample water.	The cooling towers were scaled with calcium carbonate deposits, and also exhibit signs of bio-growth/bio-fouling. The existing chemical treatment program is based upon twice weekly manual checks to verify chemical concentrations. Free chlorine is not maintained as part of this program, the biocide is fed on a shock feed basis. The advanced controllers will allow for a free chlorine residual to be maintained in the cooling tower to address the bio-growth. Maintaining a free chlorine residual is following recommended practice for Legionella control from the Cooling Technology Institute under CTI Guideline WTB-148.	Chemical Cooling Tower	Grounds	All
18317	New MCC and Panelboard for Gamma Scanner Replacement Project	CCF for the installation of the new Motor Control Center (MCC) and downstream power panelboard for the gamma scanner project. A new MCC will be installed to support the new rod scanner loads, as well as will provide capabilities for future load additions. A new panelboard will be supplied from the MCC to provide for connection to the individual circuits associated with the new Rod Scanners and associated soft-handling conveyors.	The power demands for the new rod scanners require that two (2) feeder breakers be provided for each new rod scanner.	Mechanical Area / Rod Inspection Area / Dark Room Roof	Grounds	All
18384	CAAS testing of new NMC GA-7M modules and detectors.	CCF to install 2 new NMC GA-7M modules and detectors for testing and evaluation purposes in the vicinity of the current Station 15 GA-6M units. Units will NOT be connected to the existing Criticality Accident Alarm System or the Criticality Monitoring System.	Before purchase order for replacement of all Station modules and Detectors can be made, further testing is required to determine that hardware configuration and factory configuration of modules and detectors meets functionality requirements. Units must be able to be field calibrated with background radiation levels.	Station 15 of the CAAS.	Grounds	All

Westinghouse CFFF 2022 Facility Change Report						
CCF Number	Title	Description	Justification	Location	ISA ID	Phases Approved for Startup
19040	Replace Existing SBG-2 with New Diesel Generator SBG-2	CCF to install new diesel generator SBG-2 to replace existing diesel generator SBG-2. New SBG-2 will be installed outdoors on foundation installed per CCF 19038. Demolition of existing SBG-2 will be done under CCF 21093. See CCF for additional work scope description.	Existing diesel generator (DG) SBG-2 has exceeded its useful life and needs to be replaced. The new equipment will be packaged for installation outdoors.	Yard Area: East Side of the Manufacturing Building.	Grounds	All
19043	Replace Automatic Transfer Switch 2ATS1	CCF to replace the existing Automatic Transfer Switch (ATS) with a new model having up to date features. The replacement will be like, in-kind. Scope of work will entail removing the existing ATS from MCC 1400 and replacing with a new ATS.	The current automatic transfer switch used for 2ATS1 is past its useful life and needs to be replaced to maintain plant reliability.	UF6 Bay, Built into MCC 1400, South Compressor Room	Grounds	All
19044	Replace Automatic Transfer Switch 3ATS4	CCF to replace the existing ATS with a new model having up to date features. The replacement will be like, in-kind. Scope of work will entail removing the existing ATS from MCC 950 and replacing with a new ATS.	The current automatic transfer switch used for 3ATS4 is past its useful life and needs to be replaced to maintain plant reliability.	UF6 Bay	ISA-03 ADU Conversion	All
19046	Replace Automatic Transfer Switch 4ATS1	CCF to replace the existing ATS with a new model having up to date features. The replacement will be like, in-kind. Scope of work will entail removing the existing ATS from MCC 400 and replacing with a new ATS.	The current automatic transfer switch used for 4ATS1 is past its useful life and needs to be replaced to maintain plant reliability.	UF6 Bay	Grounds	All
19049	Replace Automatic Transfer Switch 4ATS5	CCF to replace the existing ATS with a new model having up to date features. The replacement will be like, in-kind. Scope of work will entail removing the existing ATS from MCC 500 and replacing with a new ATS.	The current automatic transfer switch used for 4ATS5 is past its useful life and needs to be replaced to maintain plant reliability.	UF6 Bay, Built into MCC 500	ISA-03 ADU Conversion	All
19050	Replace Automatic Transfer Switch 4ATS6 with New ATS (5ATS6)	CCF to install a new ATS (5ATS6) to replace existing 4ATS6. The replacement will have up to date controls. Scope of work will entail installing new 5ATS6 in the Substation 1 Building. CCF contains addition work scope description.	The current automatic transfer switch used for 4ATS6 is past its useful life and needs to be replaced to maintain plant reliability. New 5ATS6 will replace 4ATS6 and will have up to date controls. An external break-before-make bypass around 5ATS6 will be provided to facilitate maintenance on 5ATS6 while maintaining power to the critical loads. The elimination of 4ATS6 is being done to resolve concerns related to accessing the ATS on the AC01 platform in the UF6 Bay.	UF6 Bay on AC01 Platform (4ATS6) Substation 1 Bldg (New 5ATS6) Substation 6 Bldg (New EPP-SUB6) URRS Outside near MCC 1101 Ammonia Distillation Bldg. near MCC 1100 (EM) Piperack	Grounds	Phase 1 thru 4
19123	Criticality Accident Alarm System Replacement - (CAAS) of Outside Stations	Criticality Accident Alarm System Replacement - (CAAS) of Outside Stations with 5 sets of new Modules and Detectors. NOTE: Outside STATIONS 14, 16, 17, 18 & 19 fall under this CCF.	Increased reliability - Improved system diagnostics and self-testing - Simple calibration - Minimization of false alarms	Stations 14, 16, 17, 18 & 19.	Grounds	All

Westinghouse CFFF 2022 Facility Change Report						
CCF Number	Title	Description	Justification	Location	ISA ID	Phases Approved for Startup
	with 5 Sets of New Modules and Detectors.					
19261	Revise Spiking Station #1	The rebuild of Spiking Station #2 is complete (CCF 18358) and it has returned to service. This project will provide the same upgrades to Spiking Station #1.	Spiking Station #1 requires the same upgrades that were made to Spiking Station #2.	UF6 Bay	ISA-03 ADU Conversion	All
19339	Install MCC 1102/1103 in Substation 6 Building; Install EPP-BR1 and ERP-UNTANK	New MCCs (1102 and 1103) will be installed in the Substation 6 Building. These MCCs will be powered via new EPP-SUB6 and 5ATS6 being installed under CCF 19050. Once the new MCCs are powered up, the loads from emergency section of MCC 1100 and MCC 1101 will be migrated to the new MCCs under separate CCFs.	Installation of the new MCCs will improve reliability for the affected loads.	Outdoor Area of Uranium Recovery and Recycle Services (URRS); Substation 6 Building; Ammonia Distillation Bldg. #1; Pipe racks; URRS Depot; Boiler Bldg. #1; UF6 Bay	Grounds	Phase 1
19398	ADU Sintering Furnace 4A - Rebuild Safety and Functionality Upgrade of Sintering Furnace 4A.	CCF for the mechanical rebuild and upgrade of Sintering Furnace 4A.	Rebuild and upgrades to improve safety and furnace reliability.	ADU Pelleting Line 4 Furnace A	ISA-08 Pelleting	All
19399	Nitrogen Header Update for Sintering Furnace 4A	The nitrogen (N2) header servicing Sintering Furnace 4A requires upgrades to accommodate furnace upgrades to be carried out under CCF 19398. A section of existing nitrogen piping will be replaced with a new section that includes 2 new flanged valves.	Upgrade of the N2 header is necessary to support the upgrades to Sintering Furnace 4A.	N2 Header for Furnace 4A	ISA-08 Pelleting	All
19422	Facilities - New Utilities Install (Transformer, Natural Gas Line, Power Line, and Pad for Future Office Generator)	To support the office renovation efforts, new power and natural gas supply lines will be installed from Bluff Road. In addition, a new transformer will be placed on a pad near old assembly point next to the flag poles beside the office building.	As part of the Office Renovation effort, the new transformer and gas line are needed to eventually divest the office building from the manufacturing side of the plant to reduce risk of interruptions in service.	Outside of Office Building	Grounds	All
19426	Sea-land Container Removal	CCF to remove the Sea-land containers (list in spreadsheet attached to CCF) from site per procedure CA-022.	Eliminate environmental hazard.	Outside Plant Grounds	ISA-13 Low Level Radioactive Waste Processing	All
19445	East Lagoon - Waterglass & Waste Treatment Tank Dike Redesign	The tanks that support Waterglass and Waste Treatment are currently in a dike that utilizes the East Lagoon for overflow and dilution. A new dike will be redesigned	A dike is necessary to provide containment in the event of a spill.	Waterglass, Waste Treatment, East Lagoon, Outside URRS	ISA-15 URRS Wastewater Treatment System	All

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		and installed around tanks: T-1148, T-1149, T-1161, T-1163, T-1160A/B/C, T-1140, T-1107, T-1108, T-1143 & T-1175 due to the closure of the East Lagoon.				
19446	East Lagoon - Reroute of Additional East Lagoon Inputs	The remaining inputs to the East Lagoon need to be rerouted to suitable destinations.	With the removal of the East Lagoon, drain lines and flow paths need to be rerouted to accommodate effluents.	East Lagoon, Outside URRS	ISA-15 URRS Wastewater Treatment System	All
20023	Installation of New Hydrogen Headers.	The new hydrogen header will be installed to comply with current piping code.	The old headers have to be brought up to current code.	Sintering Furnaces, and Calciners	ISA-08 Pelleting	All
20024	Installation of new Natural Gas Headers.	New natural gas headers will be installed to comply with current piping code.	The old headers have to be brought up to current code.	Sintering Furnaces, and Incinerator.	ISA-08 Pelleting	All
20050	Cream Can Cart Modification	Modify the Cream Can cart design to ensure it can be manufactured within the design specifications.	The current design and drawing set calls out the use of a standard pipe type (Schedule 40) which doesn't always fulfill the CSE requirement as to max OD and min wall thickness. Going to a Schedule 60 pipe with an as needed turned down OD will more consistently meet the requirement.	CFFF, Chemical side, Conversion	ISA-03 ADU Conversion	All
20066	Boat Dumper Gear Motor Replacement	CCF to replace the Boat Dumper Gear Motor on Sintering Furnaces 1B, 1C, 2A, 2C, and 4B. The design for updating the boat dumper gear motor has been implemented on other lines.	Current Gear Motor is obsolete.	Sintering Furnaces in Pelleting	ISA-08 Pelleting	Phase 2 and 6
20089	TPBAR Welder Line Replacement	The scope of this project is to remove the current Welding line and install a new up to date Welding Line with a new WS210 system with the addition of a second camera attached to the rear viewport.	Current Line requires upgrades.	TPBAR Room	Components	All
20151	TPBAR Expansion (Plating Room) Install	CCF to repurpose the Plating Room for TPBAR storage of raw materials and finished products, as well as QC inspection equipment.	TPBAR has a need for additional humidity-controlled space to store materials and finished products.	Plating Room	Grounds	All
20175	Grid Marking System Clamp Replacement	The current clamp is mechanically failing on 8 marking systems and a replacement is needed.	Failure to replace the clamping mechanisms will result in increased cycle time, potential marking errors and possible operator injury.	CFFF, Mechanical Area, Zirc Grid marking	Components	Phase 1 thru 6, 8, and 9

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CCF Number	Title	Description	Justification	Location	ISA ID	Phases Approved for Startup
20179	Conversion Scrubber to Filter Press Pumps P131A and P131B Replacement.	Replace Conversion Scrubber to filter press pumps P131A and P131B with Chesterton (Blackmer) Pumps and C frame adapters.	The Durco brand pumps are obsolete, and parts are no longer available.	Conversion Line 1	ISA-03 ADU Conversion	All
20227	Pellet Lines D&V Scale Replacement	Modify the pellet lines D&V scale bases to allow a new scale to be mounted and replace the scale with the new model. Drawing 361F06EQ08 will be updated.	The old scale is obsolete and needs to be replaced.	ADU Pelleting \ QC Inspection Hood	ISA-08 Pelleting	Phase 3 and 8
20231	Fire Detection Installation in the Low Level Waste Recovery Storage Shed	CCF to install fire detection in the Low Level Waste Recovery Storage Shed.	New structure requires detection capability.	Low Level Waste Recovery Storage Shed	Grounds	All
20242	Substitution CCF - "Red Valve" Pinch Control Valve Alternative for S-x31 Scrubber Slab Tank Line to Decanter	CCF for Substitution - Establish an alternate valve as an option for FCV-X31A Control Valve. A Flowrox Control Pinch Valve will be substituted for the "Red Valve" Control Pinch Valve.	The current Red Valves installed in location FCV-X31A are old and repair parts have extended lead times.	ADU Conversion Line Scrubber Slab Tank lines to decanters.	Components	All
20258	Rod Line 5 Rope Break Sensor	Install a sensor to detect breakage on the Rope Cleaner for Rod Line 5.	Eliminate rod loss due to lack of rope cleaning.	Rod Line 5 Rope Cleaner	ISA-10 ADU Rods	All
20259	IFBA Coater Viewport Material Change	Update material of viewports from pyrex glass to 316 stainless steel.	The Pyrex glass viewports do not help with visibility and often have cracking issues leading to leaks.	IFBA Coaters	ISA-14 IFBA Processing	All
20260	Pellet Area Centrifuge Bowl Drying Oven Replacement and Hood Modification	Replace current Thermo Scientific Lindberg/Blue M ovens (Model GO1320A) with new Cole-Parmer Stable Temp Gravity Convection ovens (Model EW-52412-84). Modify hood by reducing the back side width to increase velocity towards the front door of the oven.	Current drying ovens for grinder centrifuge bowls are obsolete and parts are no longer available.	Pellet Press Area	ISA-08 Pelleting	Phase 3 and 4
20273	East Lagoon Decommissioning	This change will physically remove the East Lagoon and restore the area as open space.	All East Lagoon inputs will be eliminated under other CCFs and the East Lagoon will no longer be required.	Outside URRS, Wastewater Area, East Lagoon	ISA-15 URRS Wastewater Treatment System	All
20274	East Lagoon Decommissioning Support Activities	The East Lagoon Decommissioning Project will require this CCF to prepare jobsite for the Vendor.	CCF will allow for work items in preparation for CCF 20273, East Lagoon Decommissioning.	URRS, Wastewater Treatment, East Lagoon	Grounds	All

Westinghouse CFFF 2022 Facility Change Report						
CCF Number	Title	Description	Justification	Location	ISA ID	Phases Approved for Startup
20275	Fire Alarm Speaker at Trailer 7 Picnic Table	CCF to install a fire alarm / announcement speaker at the Trailer 7 picnic table area.	EWO 848732 - Fire Alarm speaker issue - Announcement was not clearly audible at the Trailer 7 picnic table area.	Trailer 7 Picnic Table	Grounds	All
20296	Remove Temporary Generator Installed to Back Up Generator #4.	CCF to remove the currently rented backup unit installed to support Generator #4 while it is down. Generator 4 will be replaced under CCF 19041.	Rented standby generator needs to be removed in order to complete the installation under CCF 19041 for a replacement permanent generator of Generator #4.	The Temporary unit is next to the west wall of the building, between the maintenance dock and dock 3, next to Gen 9.	Grounds	All
20312	TPBAR Expansion X-Ray Shortening & Relocation	CCF to cover shortening the current QC inspection TPBAR X-Ray machine and then relocating it into the TPBAR Storage & Inspection Facility (Repurposed Plating room)	TPBAR has a need for additional secured humidity-controlled space to store materials, finished products and QC inspection equipment.	TPBAR	Grounds	All
20325	Modify Eductor Supply Piping on S-431 Scrubber Slab Tank	Each Conversion Line includes a slab tank located underneath the calciner platform. Each slab tank includes two mixing eductors located near the bottom of the tank. Over time precipitation occurs and solids accumulate. To remove these solids, operations routinely “rakes out” the tanks. Increasing the flow to the eductors will reduce precipitation. The Line 4 slab tank accumulates solids at a higher rate than the tanks on the other four lines.	Improve mixing capability of Line 4 scrubber eductors to reduce solids buildup and alleviate labor intensive rakeout tasks.	Conversion Line 4 Scrubber Slab Tank	ISA-03 ADU Conversion	All
20328	Remove Rental Air Compressors and Dryers	This CCF will be removing 3 Rental Air Compressors and 3 Rental Air Dryers that were installed under CCF 20217 (ZT315), CCF 20280 (ZT250), and CCF 20289 (ZR250).	Compressors that were installed under CCF 20162 have been placed into service and will be signed off for startup prior to removing the rental equipment under this CCF.	Compressor Room #2 and Yard	Grounds	All
20338	Mezzanine Scrubber Demo	Remove and dispose of the Mezzanine Scrubber above the Plating Room.	The Mezzanine Scrubber above the Plating room is no longer in use and requires removal and disposal.	Mezzanine above TPBAR Inspection & Storage Facility (Plating Room)	ISA-01 Plant Ventilation System	All
20356	Bollard additions for New PIVs	Two recently installed Post indicator Valves (PIVs) need bollards placed in locations susceptible to vehicle collisions.	Recently installed PIVs need bollards placed in locations susceptible to vehicle collisions.	Near Pump House 1 & 2 at the new PIV locations	Grounds	All
21001	URRS Shredder Platform & Access Ladder Modifications	Replace the aging ladders, platform railing and inadequate machine guarding per EH&S Corporate Safety Audit.	Eliminate potential safety issues with current equipment configuration.	URRS Shredder	ISA-13 Low Level Radioactive Waste Processing	All

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CCF Number	Title	Description	Justification	Location	ISA ID	Phases Approved for Startup
21008	P-1109A/B & MX-1109 Disconnects Relocation	The electrical disconnects for P-1109A/B and MX-1109 are currently located in the 1109 dike. Due to the location of the new dike wall installed via CCF 19446, the disconnects no longer have sufficient clear working space per OSHA and NEC guidelines. In addition, the current dual disconnects are not rated for their application and require replacement.	Replacement will ensure the installation is code compliant. Relocating/repositioning the dual disconnects and supports to a location with sufficient clear working space (3.5 feet) meets OSHA/NEC guidelines.	1109 Dike, Outside URRS	ISA-06 Chemicals Receipt, Handling and Storage	All
21024	Upgrade UN-902 from Administrative Control to Active Engineered Control.	UN-902 is the high level alarm for the Uranyl Nitrate (UN) tanks. Currently it is an administrative control with computer assist. Modify control so when high level is reached, valves automatically close on fill lines to isolate that particular tank. The control will be hardwired and removed from the general purpose PLC. The alarm reset and individual tank level alarms will be added to the Experion system. The administrative alarm currently in Wonderware will be eliminated.	An active engineered control is being installed to replace an administrative control with computer assist. This is being done to prevent overfilling the tanks so that if a seismic event would occur, other mechanical modifications to the tanks for a seismic event would prevent tank failure.	Uranyl Nitrate Storage tanks and UF6 bay.	ISA-02 Uranyl Nitrite Bulk Storage Tanks	All
21034	URRS Shredder Drum Removal Door Replacement	Replace current doors with frame and sliding door assembly that provide a proper seal in the waste enclosure and add a limit switch that will not allow operation of the Shredder without the doors being closed.	The goal is to reduce the airborne level in the area.	URRS Shredder	ISA-13 Low Level Radioactive Waste Processing	All
21051	Office Renovation Project (mechanical)	Renovate office area and a few miscellaneous areas (security access area, lobby, HR suite, cafeteria, corridor to manufacturing) for code compliance. MECHANICAL – Heating Ventilation and Air Conditioning (HVAC): Install a new Rooftop Unit (RTU) including ductwork over the cafeteria serving area/corridor to service 1968 office area (Structural modification for RTU loading implemented per CCF 21053, electrical RTU installation per CCF 21054) PLUMBING: Add a new restroom on 1st and 2nd floor for ADA compliance; Tie into existing potable/sanitary sewer utilities.	Renovate office area and a few miscellaneous areas (security access area, lobby, HR suite, cafeteria, corridor to manufacturing) for code compliance.	General Office Area	Grounds	All
21052	Office Renovation Project (fire)	Renovate office area and a few miscellaneous areas (security access area, lobby, HR suite, cafeteria, corridor to manufacturing) for code compliance. FIRE PROTECTION / DETECTION: Add new fire panels on 1st floor & 2nd floor; Adding new communication panel behind security desk; Update alarms/speakers/strobes around office areas to meet code; Add sprinklers to 1st floor 1968 section of office area, cafeteria eating area, kitchen serving area, main corridor, main entrance/lobby, HR suite, CR101, new electrical room on 1st floor (114E) & new executive conference room on 2nd floor. See CCF for additional fire protection work scope description.	Renovate office area and a few miscellaneous areas (security access area, lobby, HR suite, cafeteria, corridor to manufacturing) for code compliance.	General Office Area	Grounds	All

Westinghouse CFFF 2022 Facility Change Report						
CCF Number	Title	Description	Justification	Location	ISA ID	Phases Approved for Startup
21053	Office Renovation Project (civil / structural)	Renovate office area and a few miscellaneous areas (security access area, lobby, HR suite, cafeteria, corridor to manufacturing) for code compliance. CIVIL: Earthwork and ADA access ramp; Earthwork for electrical feeders; New concrete pad for switchgear. STRUCTURAL: Structural steel framing around HVAC roof penetrations (RTU mechanical installation implemented per CCF 21051, electrical RTU installation per CCF 21054); New concrete walls for ADA access ramp; New ADA restroom concrete slab repair. See CCF for additional structural work scope description.	Renovate office area and a few miscellaneous areas (security access area, lobby, HR suite, cafeteria, corridor to manufacturing) for code compliance.	General Office Area	Grounds	All
21054	Office Renovation Project (electrical)	Renovate office area and a few miscellaneous areas (security access area, lobby, HR suite, cafeteria, corridor to manufacturing) for code compliance. ELECTRICAL: Replacing electrical equipment on 1st and 2nd floors of the main office building with new panelboards, breakers, disconnects, etc. Some panelboards will be reused and/or relocated. See attached vendor supplied drawings for details. New underground secondary electrical feed from new 1500 kVA pad mount transformer to new Main Switchboard. See CCF for additional work scope description.	Renovate office area and a few miscellaneous areas (security access area, lobby, HR suite, cafeteria, corridor to manufacturing) for code compliance to allow facility to occupy.	General Office Area	Grounds	All
21057	Tank 1039 Seismic Modifications	UN Bulk Tank T-1039 seismic modifications: A stiffening ring will be added, as well as additional leg bracing. Tank recirculation piping will be modified to accommodate stiffening ring. One tank leg will be modified. The additional stiffening ring and bracing improve the seismic capability of the tanks when completed.	To address environmental and regulatory compliance.	UN Bulk Tank Area	ISA-02 Uranyl Nitrate Bulk Storage Tanks	All
21058	Tank 1040 Seismic Modifications	Tank T-1040 seismic modifications: A stiffening ring will be added, as well as additional leg bracing. The additional stiffening ring and bracing improve the seismic capability of the tanks when completed.	To address environmental and regulatory compliance.	UN Bulk Tank Area	ISA-02 Uranyl Nitrate Bulk Storage Tanks	All
21059	Tank 1041 Seismic Modifications	UN Bulk Tank T-1041 seismic modifications: A stiffening ring will be added, as well as additional leg bracing. The additional stiffening ring and bracing improve the seismic capability of the tanks when completed.	To address environmental and regulatory compliance.	UN Bulk Tank Area	ISA-02 Uranyl Nitrate Bulk Storage Tanks	All
21060	Tank 1042 Seismic Modifications	UN Bulk Tank T-1042 seismic modifications: A stiffening ring will be added, as well as additional leg bracing. The additional stiffening ring and bracing improve the seismic capability of the tanks when completed.	To address environmental and regulatory compliance.	UN Tank Area	ISA-02 Uranyl Nitrate Bulk Storage Tanks	All

Westinghouse CFFF 2022 Facility Change Report						
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21061	Tank 1043 Seismic Modifications	Tank T-1043 seismic modifications: A stiffening ring will be added, as well as additional leg bracing. The additional stiffening ring and bracing improve the seismic capability of the tanks when completed.	To address environmental and regulatory compliance.	UN Bulk Tank area	ISA-02 Uranyl Nitrate Bulk Storage Tanks	All
21062	Tank 1045 Seismic Modifications	UN Bulk Tank T-1045 seismic modifications: A stiffening ring will be added, as well as additional leg bracing. Tank recirculation piping will be modified to accommodate stiffening ring. The additional stiffening ring and bracing improve the seismic capability of the tanks when completed.	To address environmental and regulatory compliance.	UN Bulk Tank Storage	ISA-02 Uranyl Nitrate Bulk Storage Tanks	All
21063	Ladder Modifications on Tanks 1040 and 1045	Ladders are on Tanks 1040 and 1045 The project will remove the ladder from Tank 1040, add a ladder to Tank 1043, and bring the ladder up to standards on Tank 1045 These modifications are in support of the seismic modifications for each of the UN tanks.	The ladder modifications support completion of the seismic modifications on the UN tanks.	UN Tank Area	ISA-02 Uranyl Nitrate Bulk Storage Tanks	All
21066	Office Renovation (Architecture)	Renovate office area and a few miscellaneous areas (security access area, lobby, HR suite, cafeteria, corridor to manufacturing) for code compliance. CCF to addresses architectural changes necessary to meet ADA, life safety and building code requirements. In addition, CCF also addresses facility administration requests to change the layout for future planned use of various spaces. Details covered under this CCF pertain to walls, floors, ceilings, doors and all fit/finishes of final aesthetics. See all "new construction" details on Architect's sealed drawing package, attached to the CCF. Code required and administration are included in the CFF package.	Renovate office area and a few miscellaneous areas (security access area, lobby, HR suite, cafeteria, corridor to manufacturing) for code compliance to allow facility to occupy.	General Office Area	Grounds	All
21067	Office Renovation (Construction Zone for contractors)	Modifying the office area to create a separate "construction zone" to meet security requirements. Demolition will be phased in. DH Griffin is contracted to abate all disturbed asbestos containing material. Scope of work and results are attached.	Modifying the office area to create a separate "construction zone" which would bypass the current controlled access area protocol.	General Office Area	Grounds	All
21103	Criticality Alarm System Replacement - Phase 2 (CAAS) Installation of Stations 0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, & 13. (14 Phase CCF)	Criticality Alarm System Replacement - Phase 2. (CAAS) Installation of STATIONS 0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, & 13. This is a 14 Phase CCF. The CAAS is over 40 years old and utilizes Nuclear Measurements Corp GA-6M stations. The components are still supported by the supplier; however, replacement components are increasingly difficult to obtain.	Increased reliability - Improved system diagnostics and self-testing - Simple calibration - Minimization of false alarms - CAAS providers meet key design criteria for safety & reliability	CAAS Stations 0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, & 13.	Grounds	All

Westinghouse CFFF 2022 Facility Change Report

CCF Number	Title	Description	Justification	Location	ISA ID	Phases Approved for Startup
21110	Cutting Room Differential Pressure Alarm Panel	Cutting Room Differential Pressure Alarms - Low differential pressure at either the exhaust fan FN-993 or in the room itself compared to its exterior will be annunciated at a new panel mounted within the room. Two alarm horns and two flashing LED lights will be installed to ensure alarm states are well indicated.	The Cutting Room must be under negative pressure to safely operate.	SW Decontamination Cutting Room	ISA-13 Low Level Radioactive Waste Processing	All
21112	Sintering Furnace - Door Cylinder Part Number ID Update	The sintering furnaces utilize two slightly different cylinders from the same manufacturer to operate the entry and exit doors. The manufacturer has updated the interior seals of these cylinders as shown in the catalog cuts attached to the CCF and designates this change with new ID numbers. The Westinghouse storeroom information needs to be updated to match the vendor's change.	Without the correct manufacturer's part identification, replacement parts cannot be purchased.	CFFF, Pellet Area, Sintering Furnaces - Spare Parts Information	ISA-08 Pelleting	All
21113	Pellet Press Powder Adjustment Extension	Make an extension that will allow the adjustment knob to be outside the Lexan housing.	To make the adjustment currently, the Lexan guards have to be removed which requires the equipment to be Locked Out/Tagged Out (LOTO). The change will result in minimal downtime for adjustments.	CFFF, Pelleting, Pellet Press, Powder Adjustment	ISA-08 Pelleting	Phase 1
21127	Replace Chiller #3 Equipment Room 1 (CH8300A1)	Replace WABA Chiller (CH8300A1) Equipment Room 1 - #3 Chiller with new chiller.	Equipment room 1 Chiller #3 is near the end of its life and must be replaced.	Equipment Room 1	Grounds	All
21132	Add slide gate on Conversion line 5 Torit exhaust bypass duct	This project adds an additional slide gate at the Y connection between the transfer duct and the bypass. This will greatly reduce the area in the bypass duct where powder can accumulate.	Reduce amount of duct work that has to be cleaned.	Conversion line 5	ISA-01 Plant Ventilation System	All
21143	Line 9 Barcode Reader Replacement - Plugger, AVIS and UT	CCF to replace the current Prosilica style bar code readers on Line 9, Plugger, AVIS and UT, with Keyence SR-2000 style readers. The mounting bracket and hardware will also change with the new camera.	The current video bar code readers on Line 9 are obsolete.	Tube Prep Line 9	Components	All
21155	VIPER Loop Differential Pressure Transmitter Manifold Replacement	CCF to replace the existing differential pressure transmitter manifolds and associated valves and fittings to eliminate water leaks.	The existing manifolds and associated valves and fittings are leaking and require replacement.	VIPER Loop	ISA-18 Laboratories	All
21156	Piping modifications for the UN Tank area	Piping support is needed in the UN Tank area to assure the seismic qualification of the piping in the area.	There was a seismic calculation completed on pipes coming from the UN tanks. It was found that some segments needed support to be seismic qualified.	UN Tank area	ISA-02 Uranyl Nitrite Bulk Storage Tanks	All

Westinghouse CFFF 2022 Facility Change Report						
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21157	IFBA Sandblaster Media Collector Emptying System Replacement	Replace the existing valve and disposal pail handling equipment, located beneath the sandblaster's dust/media collector with one that is more ergonomic to use.	Injuries have occurred during the use of the existing equipment.	CFFF, IFBA, Fixture Repair, Sandblasting.	ISA-14 IFBA Processing	All
21161	Receptacles For Cameras in the Final Assembly Area	CCF to install receptacles along the East wall in the Final Assembly Area to service video cameras. The cameras will be used for process monitoring and review of process upsets.	Install to meet need for added electrical receptacles.	Final Assembly Area	Grounds	All
21166	Gate One Light Replacement	With this CCF, we will be replacing a street light fixture at one location near Gate One.	Repair per CAP issue IR-2019-1865	Near Gate One	Grounds	All
21167	Replace Grid Workstation for Laser 5.	Replace Grid Workstation for Laser 5 with a new one procured by the Tooling Group.	The existing workstation needs significant repairs; in response a replacement station was procured.	CFFF, Laser 5, Workstation	Components	All
21170	Spring Return Sample Valves Installation Conversion	CCF to install thirteen spring return sample valves at sample locations that have a high use frequency within the Conversion area.	CCF to address an action item associated with CAP issue IR-2020-11160.	Conversion Multiple Areas	ISA-03 ADU Conversion	Phase 1 and 2, 5 thru 9
21191	Substitution for Stills 1 Lime Slaker Water Valve SV-1112D.	Substitution for Stills 1 Lime Slaker water valve SV-1112D. Recently substituted valve 8262H130 will be replaced with S/R #716641 Asco #8262H220. This second valve is similar in all respects except it has a larger orifice and higher Cv to allow better flow.	A substitution was recently completed, but the orifice of the selected valve was too small and did not allow required flowrate.	Stills 1 Lime Slaker Grit Sprayer water piping.	ISA-06 Chemicals Receipt, Handling and Storage	All
21194	ERBIA Change Room Water Heater Replacement	Replace current obsolete water heaters with new upgraded water heaters.	Current water heaters leak and are obsolete.	ERBIA Equipment Room	ISA-20 ERBIA	All
21205	Retire IFBA Rod Transporting Caskets from Service	CCF to retire the obsolete IFBA Rod Transporting Caskets from service. Specific scope to include: Retire CSE-12-A; Retire SSC #s CASKET-102, -103, -111, -112, -113; Scrap transport caskets and carts; Demolish conveyors and miscellaneous infrastructure.	Eliminate obsolete equipment maintenance tasks for the caskets, including the Safety Basis. The CCF will also free up floor space in the area and plant footprint at Loading Dock #7.	IFBA Rod Transporting Caskets	ISA-12 IFBA Fuel Rod Manufacturing	All
21207	Install Filtration Skids on Chemical Cooling Towers	Install (2) filtration skids to the chemical cooling towers, (AMIAD TC-2x4x4-BP2-GRN). Scope to include engineering, design and implementation of two new concrete pads, piping to and from cooling towers to the skids, piping internal to cooling tower basins as required, backwash drain to sanitary sewer system and piping supports.	The two chemical cooling towers have problems with corrosion and biological growth in the towers due to the external weather and airborne particles. The water needs to be properly filtered to remove the particles and eliminate biological growth to improve the system efficiency.	West side of plant grounds, south of Fire Water Tank	Grounds	All

Westinghouse CFFF 2022 Facility Change Report						
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21209	UT1 Rexroth PLC Resetting	CCF to add a reset button to interrupt power and deenergizing the Rexroth PLC downstream of CB9. Only modifying the electrical components in the electrical controls cabinet.	There is a need for an internal program relay or an external relay to be reset via a reset button on the operator human machine interface (HMI) panel instead of the current practice of relying on maintenance to cycle power to the breaker in the electrical cabinet on a regular basis.	UT1	ISA-10 ADU Rods	All
21212	T-41 to T-1110 and T-1111 Line Split and Feed Line Removal to T-1140	CCF to separate feed lines coming from T-41 into two separate feeds going to T-1110 and T-1111 in outside URRS. Additionally, CCF will demo any lines left going to T-1140.	CAP IR-2020-13614 is a Process Hazards Analysis (PHA) related item which this modification dispositions.	Outside URRS	ISA-06 Chemicals Receipt, Handling and Storage	All
21217	Modify Vent Line on Vx02 for ADU Lines 1-5	Replace top nozzle and increase pipe size from 1" to 1.5" for the pipe going from Vx02 to Hydro-vent.	Reduce back pressure in Vx02 to allow increased flow out of Vx02 to hydro-vent. Currently purging the UF6 lines can cause the Vx02 column to have a slightly positive pressure.	Lines 1-5 Vx02 top nozzle to hydro-vent	ISA-03 ADU Conversion	Phase 1 and 2
21220	City Water Supply Line in UF6 Bay Replacement.	The city water supply line to the booster pumps has degraded to the point requiring replacement. The piping supplies city water to the Deionization system, HF tank farm safety showers, ERBIA MFG, Waste treatment tank farm, ammonium hydroxide chiller, and numerous safety showers.	Failure of this piping would cause significant plant downtime.	UF6 Bay and Area Outside South Wall of building.	ISA-03 ADU Conversion	All
21227	Addition of Flow Transmitter between the V1084 Product Concentrator to the 1087 Product Tanks.	Installation of a Differential Pressure (DP) flow transmitter in piping from the V1084 Product Concentrator to the 1087 Product Tanks.	To provide volumetric data on final product processing.	SOLX UNH Product Concentration	ISA-07 Solvent Extraction	All
21229	Pit Work	Phase 1 - The concrete and gravel will be removed from the pit. Then concrete will be added to fill up the pit. Phase 2 - Once Tank 1039 work (CCF-21057) is complete the pit wall will be demolished. New curb on north side will be installed.	Work needs to be done to support the seismic work needed for Tank 1039.	UN Bulk Storage at Tank 1039	ISA-02 Uranyl Nitrite Bulk Storage Tanks	All
21231	URRS drum compactor ventilation	The URRS Drum Compactor ventilation duct was installed with a section of pipe cut out so it would fit around a structural member. The duct does not seal next to the structure.	Replacing the existing duct with new duct will improve the ventilation and help reduce airborne contamination.	URRS Bay	ISA-01 Plant Ventilation System	All

Westinghouse CFFF 2022 Facility Change Report						
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21232	Calciner Vent Line Insulation Replacement for Calciners 1 through 5	For each calciner line: 1) Demo the existing insulation on the vent line pipe 2) Install new insulation consisting of the following: a. 1st layer plain 1" Temp Mat b. 2nd layer removable pad made out of 1" Temp Mat finished with silicone cloth.	Vent line obstruction occurs frequently in the ADU Calciner Offgas Scrubber system requiring the line to be manually rodded out. The obstruction is caused by volatile materials sublimation that forms solids in the vent lines. Chromalox heaters are in place to prevent the volatile material from sublimating, however the heaters cannot overcome the heat lost through the existing insulation. The need for additional heaters will be evaluated after the insulation is replaced and the CCF is complete.	ADU Calciner Vent Lines for Calciners 1 through 5	ISA-03 ADU Conversion	All
21244	Instrument Air Spring Closed Valve for FL1005 A&B	This CCF will install two spring closed valves for the instrument air line that blows down FL1005A and FL1005B on Pumpout Columns V1005A and V1005B.	As part of CAP IR-2020-13437, CSE-11-D was revised to incorporate a new scenario that addresses backflow of SNM to the instrument/plant air system via the FL-1005A and FL-1005B blow down. The CCF is required to install the valves in order to implement the SSC and CSE.	FL1005A and FL1005B	ISA-11 Scrap Uranium Processing	All
21251	Incinerator City Water/Emergency Water Pipe Relocation and Isolation Valve Relocation	The city water and emergency water pipes current configuration currently obstruct the removal of the 943 Absorber Tower manifold piping. The piping will be relocated to a better position. Also, a local isolation valve will be added to the city water pipe.	The city water and emergency city water pipes currently obstruct the removal of the 943 Absorber Tower manifold piping.	Incinerator Room	ISA-13 Low Level Radioactive Waste Processing	All
21253	Warm Caustic Backflow Preventer Check Valve Replacement	CCF to modify the check valve type and location upstream of the backflow preventers for the process water line going to the Warm Caustic system in Waterglass.	Improper check valve location is a contributor to potential substandard performance of the backflow preventers.	Warm Caustic	ISA-15 URRS Wastewater Treatment System	All
21257	Reconfigure Maintenance Engineering Office Area	CCF to reconfigure the old Maintenance Engineering office space to allow for Maintenance Planning to move into the area.	Reconfigure space to allow for additional workstations.	Old Maintenance Engineering Offices	Grounds	All
21258	S611 Audio Volume Increase	S611 failed sound check, and speaker will be modified to enhance audibility.	Increasing wattage for speaker should resolve issue of failed sound check.	Erbia Pellet Production	Grounds	All

Westinghouse CFFF 2022 Facility Change Report						
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21260	Replace AC-14	CCF to abandon in place RTU AC-14 and place a new RTU above the ceiling on an existing platform. The new unit will tie into the duct roof penetration that will be completed during the outage via CCF 22047.	AC-14 needs to be replaced as it has been out of service for an extended period of time.	Chemical side roof above Pellet Line 3/4	ISA-01 Plant Ventilation System	Phase 2 and 5
21266	Thermal Stability Nitrogen/Hydrogen Rotameter Replacement	Replace current rotameters on Thermal Stability systems with new type rotameter (Brand-Yokogawa)	Current rotameters are not working properly and are obsolete.	Thermal Stability	ISA-08 Pelleting	Phase 2
21274	CA-7206: ZR250 Air Compressor Replacement	CCF to replace the existing ZR250 VSD compressor with a remanufactured ZR250 VSD unit from OriginAir Atlas Copco at equipment location CA-7206. The remanufactured unit will come installed with a high ambient option to withstand 122 degrees Fahrenheit of ambient temperature.	The currently installed ZR250 VSD compressor unit needs significant repair work that replacing the unit with a remanufactured unit will be more economical. Additionally, this modification will allow the CFFF to remove the last remaining Rental Air Compressor by having a reliable backup compressor.	Compressor Room #2 near the Boiler House.	Grounds	All
21279	Replace AC-26	Existing AC-26 unit has degraded beyond repair and can no longer provide heat or cooling to Dock 4 area of inside URRS. Replacement unit will be equivalent in heating/cooling capacity and footprint.	Replacement unit has been evaluated and has been determined to be equivalent.	Above Dock 4	Grounds	All
21280	Conversion FI-S-1030A Flow Meter Replacement	Replace FI-S-1030A GT1000 series flow meter with new type GT1600 series flow meter (direct replacement) located in Conversion Scrap Recovery area.	Current GT1000 flow meter is obsolete, and the new direct replacement is the GT1600.	Conversion Scrap Recovery Area	ISA-01 Plant Ventilation System	All
21295	Modify Acetone Dispensing Station	A new dispensing station for acetone with improved ergonomics will be installed under the CCF. To address ergonomic issues with valve manipulations and the amount of liquid heel being left in the acetone drum under the current configuration, modifications will be made under this CCF. See CCF for additional work scope description.	Improved ergonomics for operators and heel minimization in the drums is needed for Operations.	Across the aisle from the Zirconia Room	Components	All
21297	Dry Room Fire Protection Speaker Addition	CCF to install four (4) new fire protection speakers in the IFBA/ERBIA Dry Room.	To ensure area has proper speaker audibility coverage.	IFBA & ERBIA 1 st Floor- Dry Room	Grounds	All
21303	Install Eye / Dace Wash on Surf Station platform.	Install eye / face wash on Surf Station platform.	There is a need to install an eye wash location near the Surf Station.	Surf Station (car Wash)	ISA-09 UF6 Cylinder Wash	All

Westinghouse CFFF 2022 Facility Change Report						
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21304	Update Bearing Part Number for IFBA Sandblaster Table	Create a new MRO storeroom number for the updated bearing and supplier. The existing part number will be maintained until they are removed from service.	The manufacturer is no longer making the bearing.	CFFF IFBA Sandblaster	ISA-14 IFBA Processing	All
21307	CAAS Station 9 Control cabinet replacement.	CCF to replace the CAAS Station 9 Control cabinet with a new stainless steel one. CAAS Station 9 is located in the Solvent Extraction (SOLX) area.	Current cabinet is in need of replacement.	Station 9 Solvent Extraction	ISA-07 Solvent Extraction	All
21309	Modification of Pellet Sintering Furnace 5A Hydrogen Piping	Modification of the hydrogen piping for Furnace 5A to facilitate improved flow and reduce pressure drop.	Ensure desired primary and super purge flow rates are maintained throughout operation.	Pellet Sintering Furnace 5A	ISA-08 Pelleting	All
21311	Install Carbon Steel Base Plate on Drum Drill Press in the UF6 Bay	Install Carbon Steel Base Plate on Drum Drill Press in the UF6 Bay.	The current base of the drill press in UF6 Bay is made out of cast iron and requires replacement. Carbon Steel is a better material of construction for the intended application.	UF6 Bay	ISA-13 Low Level Radioactive Waste Processing	All
21321	Install Battery Isolator Switches on SBG-1, SBG-3, and SBG-4	CCF to install a lockable isolator switch in the wiring downstream of the battery terminal post and engine starter connection. This will apply to SBG-1, SBG-3, and SBG-4.	This is a request per Maintenance as an aid in LOTO for the SBGs. SBG-2 is excluded from the scope of this CCF as this feature will be provided by supplier prior to SBG-2 Startup.	Yard - SBG-1, SBG-3, and SBG-4 Enclosures	Grounds	All
21325	Conversion Line 5 Dryer Condenser Exhaust Fan Inlet Ventilation Pot Addition	Conversion Line 5 Dryer Condenser Exhaust Fan Inlet Ventilation Pot Addition. The ADU dryer DR-525 off-gases pass through bag filter FL-529 and then to condenser CO-526. The liquid is condensed from the gas and flows to surge tank V-512. The gas continues to fan FN-527. Currently some of the condensed liquid is being blown over to the fan when the bag filter is pulsed with nitrogen. The liquid then drips out of the fan housing onto the floor. The pipe between the condenser and the fan is currently two inches in diameter. This project will install a six-inch diameter vertical ventilation pot between the condenser and the fan. The gas/ liquid will flow into the ventilation pot near the top. Gas will escape out of the top of the pot and continue to the fan; liquid will flow out of the bottom of the pot and continue to V-512. This modification has been successfully implemented on Conversion Lines 3 (CCF20178) and 4 (CCF20008).	Project will greatly reduce the potential for liquid reaching FN-529. The ventilation pot will slow the velocity of the gas decreasing its capability to transport liquid.	Conversion line 5	ISA-03 ADU Conversion	All

Westinghouse CFFF 2022 Facility Change Report						
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21327	Remove Heat Tracing from UN Tank Recirculation Lines	CCF to remove the heat tracing shown on the UN Tank P&IDs. The P&IDs show recirculation lines as being heat traced and insulation above the T-1039, T-1040, T-1041, T-1042, T-1043, T-1045 activity monitors.	The heat tracing did not provide the expected results. The heat tracing requirement will be removed while the insulation will remain as a means to retain heat in the recirculation line when ambient temperatures are sub-optimal.	UN Bulk Tanks Recirculation Lines; MCC 1101 (ERP-1101) located Outside the UN Tank Pad	ISA-02 Uranyl Nitrite Bulk Storage Tanks	All
21329	IFBA Coater Dust Cup Install	Install new dust cup design on Coaters 1-5 and 7 & 8. The new dust cup design allows installation / replacement without disassembling the pin-roller assembly.	Reduce tooling changeover time.	IFBA Coaters	ISA-14 IFBA Processing	All
21330	Install Water Hammer Arrester and Replace Solenoid Valve in Deionized (DI) water line to IFBA Scrubber PK-7159	Install water hammer arrester and replace solenoid valve in DI water line to IFBA Scrubber PK-7159. Implementation of this project should reduce the back pressure of the system to less than 2 psi and not cause the backflow preventer (BFP) to discharge.	The Watts BFP discharges when the LCV-7159 closes. This phenomenon has been witnessed by plant personnel on more than one occasion. Per the manufacturer a pressure differential of as little as 2 psi over the BFP can cause the BFP to discharge.	IFBA	Grounds	All
21332	URRS Incinerator Scrubber Water Blowdown Control Valve FCV-945 Size Increase	The Incinerator blowdown control valve FCV-945 is currently sized for a maximum flow rate of 2 GPM. This CCF will increase the size of the valve trim to allow approximately 5 GPM of flow.	Increasing the scrubber water blowdown flow to the waste treatment system will prevent salts from building up in the scrubber as fast, increase the time between scrubber cleanouts and thus improve incinerator uptime.	Incinerator Room	ISA-01 Plant Ventilation System	All
21334	URRS Still 2 Steam Valve Replacement	Replace the 3" globe valve that supplies steam to the Still # 2 Reboiler (HX-1179). CCF will replace it with a new quarter-turn ball valve (similar to what is installed on Still 1).	The globe valve is a concern due to its age, and position, which puts operators in the line of fire in the event of failure.	At URRS Outside Operations	ISA-06 Chemicals Receipt, Handling and Storage	All
21335	Replace IFBA and Equipment Room #3 Roof Hatch Hardware	Phase 1: Replace Equipment Room #3 Roof Hatch Hardware Phase 2: Replace IFBA Equipment Room Roof Hatch Hardware, to include providing 120 VAC power.	Existing roof hatch hardware is worn out and obsolete.	IFBA Equipment Room Roof Hatch and Equipment Room #3 Roof Hatch	ISA-14 IFBA Processing	All
21337	Install a New P1081A pump that Mirrors the P1481 Process	Install a new P1081A pump that mirrors the P1481 process	The existing P1081 pump is no robust enough for the process and frequently fails.	URRS SOLX	ISA-07 Solvent Extraction	All
21340	Replacement of SCR power controller for Pellet Pilot Line Blue M Oven.	Replacement of the heater Silicon Controlled Rectifier (SCR) power controller for Pellet Pilot Line Blue M Oven. The existing obsolete Robicon #2Z-4860-5 controller will be replaced with a Watlow #DC-21-60F0-000 model.	The current SCR power controller has failed and the model is obsolete.	Pelleting Pilot Line Blue M Oven	Grounds	All

Westinghouse CFFF 2022 Facility Change Report						
CCF Number	Title	Description	Justification	Location	ISA ID	Phases Approved for Startup
21342	Thermal Stability Cooling Water Return Rotameter Replacement	Replace current rotameter, Brooks model 1305FL1ACJ2AA, on the thermal stability cooling water return line with new Brooks rotameter, 3810GAA12BFAA1A00000	Current rotameter is obsolete and has gone past its life expectancy.	Thermal Stability Platform	ISA-08 Pelleting	Phase 2
21343	Replace Vacuum Valves on Grid Laser 3 chambers	Replace Vacuum Valves on Grid Laser 3 chambers.	The existing vacuum valves are obsolete and no longer available.	Laser Welder 3 in the Grid Area	Components	All
21349	Pelleting Furnace 4A Exit End Gas Line Protective Barrier Move	Move 1.5" rail pipe protective barrier mounted to the floor by 3.5" away from the furnace.	Rails are used to protect the pan carts from striking the gas lines. With the upgrade of the furnace the rails must be moved away from the furnace to accommodate newly installed equipment.	Exit Side of Sintering Furnace 4A.	ISA-08 Pelleting	All
21350	Modify Grid Marking Station - Minor Improvements	The barcode reader is a KEYENCE #SR-710 and its documentation specifies the reader should be located at a focal distance from barcode of 100mm.	To improve barcode readability on the grid marking station.	Grid Marking Station is Currently at Laser 3	Components	All
21351	ERBIA First Floor Change Room Partition Wall Removal	Remove and dispose block partition wall approx. 3' W x 8' H that was used to separate vending machine area from break area. Wall is a non-load bearing wall.	Block partition wall approx. 3' long shows significant cracking and is expected to become a safety hazard if deterioration continues.	First Floor ERBIA Change Room	ISA-20 ERBIA	All
21356	CMM Replacement for Tool and Gage	Replace an aging Coordinate Measurement Machine (CMM) currently used to check a multitude of gages within the plant.	The CMM machine is close to 14 years old and has undergone multiple services within the past 12 months. It is in need of repair and there are gage types that can no longer be checked using the current CMM. In addition, there are multiple tolerances on gages that at the very limits of the accuracy of the Duramax.	Tool and Gage Room	Grounds	All
21357	Pelleting Line 4 Differential Gauge Powder Lift Ventilation Duct	Install Differential Pressure gauge for ventilation duct on Pelleting Line 4 powder lift.	Current ventilation duct on Pelleting Line 4 powder lift accumulates debris causing obstruction within the line and vacuum to the powder lift. Installing a Differential Pressure gauge will allow personnel to check for excess accumulation in the duct line.	Chemical Pelleting Line 4 Powder Lift Ventilation	ISA-01 Plant Ventilation System	All

Westinghouse CFFF 2022 Facility Change Report						
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21360	Chem Lab Waste Treatment Rm Renovation	Renovate Chem Lab Waste Treatment Room floor and countertops.	Chem Lab Waste Treatment Room floor and countertops are deteriorating and are outdated. Material contains asbestos and needs to be removed because of potential hazard to workers.	Chem Lab Waste Treatment Rm	ISA-18 Laboratories	All
21362	EF21310 Automated Grids Inspection Station Install (Final Inspection)	Installation and Qualification of the ATOS Q scanner and ATOS ScanBox 4105 in the QC Receiving Area. Install the inspection station QC Receiving Inspection area and complete qualification of the machine.	The ATOS Q scanner and ATOS ScanBox 4105 will be installed into the QC Receiving area to be qualified.	Mechanical Area - Grids - Quality Control Inspection Area	Components	All
21364	Gaskets for filter dryer	Implement pre-punched gaskets for filter dryer. The pre-punched gaskets will be fabricated from 1/8" thick PTFE.	Expected time to replace gasket from should decrease from 4 hours to 1 hour.	On each ADU Line Calciner Platform	ISA-03 ADU Conversion	All
21365	Replacement of obsolete safety relays for Scrap Cage Precipitation Pumps P-1005A/B.	Replacement of obsolete safety relays for Scrap Cage Precipitation Pumps P-1005A/B. The existing relays are obsolete and no longer available from the storeroom. The safety relays are used in controls ADUSCRP-404 and ADUSCRP-405.	Existing safety relays are obsolete and no longer available from storeroom.	Conversion Scrap Cage Precipitation Pump 1005B	ISA-03 ADU Conversion	All
21366	RTU placement (AC 13 and 14)	CCF to add AC 13 and 14 to an existing roof platform after the platform is modified to support the additional weight. Roof load calculations have been done and support this placement.	Adding these two new AC units (13 and 14) to the existing roof platform will add significant weight and qualifies as a major modification.	Roof, Chemical side	ISA-01 Plant Ventilation System	All
21368	Upgrade the Monitoring and Alarming of Scrubber S-1030	Upgrade the Monitoring and Alarming of Scrubber S-1030: Four administrative controls with computer assist will be implemented in the ADU Common Services Safety Instrumented System (SIS). 1) VENT-S1030-105, Scrubber body transition spray monitor will become an administrative control with computer assist to replace the existing administrative control. Flow and pressure transmitters will be monitored by the SIS and provide an alarm instead of the current manual pressure reading. 2) VENT-S1030-136, Differential pressure across packed bed, will become an administrative control with computer assist to replace the existing administrative control. A pressure transmitter will be monitored by the SIS and provide an alarm instead of the current manual reading from an analog gauge. 3) VENT-S1030-144, Differential pressure across the demister, will become an administrative control with computer assist to replace the existing administrative control. A pressure transmitter will be monitored by the SIS and provide an alarm instead of the current manual reading from an analog gauge. 4) VENT-S1030-148,	Improved monitoring of S-1030 operating conditions.	S-1030 Scrubber on Roof and associated piping	ISA-01 Plant Ventilation System	All

Westinghouse CFFF 2022 Facility Change Report						
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		Scrubber transition spray monitor, is a new administrative control with computer assist that will monitor the transition spray system. Pressure and flow transmitters will be monitored by the SIS and provide an alarm to indicate reduced performance of the transition spray system. The control valves associated with the transition spray nozzles will be moved from the BPCS to the SIS to allow the SIS to monitor the status. The spray system will not be safety significant.				
21369	Conversion Steam Separator #020312 is Obsolete; an Alternate Will Be Specified and Set Up in Storeroom	Conversion steam separator #020312 is obsolete, an alternate will be specified and set up in storeroom.	Conversion steam separator is obsolete.	Conversion Line 1-5	ISA-03 ADU Conversion	All
21370	Servo Replacement on ADU Grinder Line 6 Poly Belt Entrance Conveyor	CCF to replace an obsolete servo Emerson EB203 with the manufacturer's suggested replacement, a Control Techniques Epsilon EP204. Also, will install a LOTO point for the Grinder Ram Bed.	Grinder 6 pellet conveyor on line 6 is down due to obsolete servo Emerson EB203, the recommended replacement is a Control Techniques Epsilon EP204.	Grinder Line 6	ISA-08 Pelleting	All
21371	Add Pressure Regulator to Process Water Line Feeding the Transition Nozzles on S-1030	CCF for adding a pressure regulator to the process water line feeding the transition nozzles on S-1030. To reduce the amount of powder buildup in the elbow/transition portion of the S-1030 scrubber, rotating swirl nozzles spray the walls with process water. A pressure transmitter is located in the process water supply line to these nozzles. Since the line pressure recorded by the transducer drops when the nozzles open, these readings could be used to indicate that the nozzles are operating as designed. However, currently the pressure in the process water feed line to the nozzles varies greatly based on extraneous factors. These variations mask the effect on the line pressure change caused by the nozzles opening/closing. This project will install a water pressure regulator in the process water supply line to the transition nozzles. The regulator will be located between the supply line isolation valve and the nozzles.	Installation of the pressure regulator should enable the pressure transducer to indicate more predictably when the nozzles are spraying. Potentially this could facilitate reducing inspection requirements of the transition section.	Conversion	ISA-01 Plant Ventilation System	All
21374	IFBA Manual Collator #1 Device Removal	CCF to modify IFBA Manual Collator #1 Station to allow the measurement device attached to be removeable from its current location. Additionally, the CCF will	The way the IFBA Collator's Device frame is designed, it causes people to hit their head while at the station. By making the Manual IFBA Collator	IFBA Manual Collator #1	ISA-14 IFBA Processing	All

Westinghouse CFFF 2022 Facility Change Report						
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		allow for future re-installation of the Manual Collator #1 measurement device if needed.	Device removeable it makes the station less prone to injury.			
21376	Update Worcester Series 39 Actuators to F39 Storeroom Items	CCF to update 19 Storeroom items that are obsolete Series 39 Worcester Actuators to Series F39 Actuators.	Series 39 Actuators are obsolete.	Storeroom Items.	Components	All
21377	Manhole Riser Installation for Process Sewer	CCF to install a manhole riser 16 inches in height that is pre-engineered by American Highway Products. The manhole riser will be installed with 4000 PSI strength Sakrete suitable for high load vehicle traffic. The manhole location is on the true northwest corner of the facility near dock 2.	The justification for this change is part of the Underground monitoring program for the facility.	Process Sewer Manhole near Dock 2 Outside.	Grounds	All
21380	IFBA Vacuum Oven 1 PT-7129 Obsolete Part Replacement	IFBA Vacuum Oven 1 is currently down due to the failure of the chamber pressure sensor. CCF to replace the obsolete Pressure sensor (PT-7129) with a new model.	CCF to replace the obsolete part with a new model that is interchangeable with the old part.	IFBA Vacuum Oven 1	ISA-12 IFBA Fuel Rod Manufacturing	All
21381	Bulk Container Frame Design Modification	CCF to release an updated Bulk Container design to increase frame stiffness and reduce weld cracking.	Implement an updated Bulk Container design to increase frame stiffness and reduce weld cracking.	Bulk Containers	ISA-05 ADU Bulk Powder Blending	All
21382	MCP-108139 Mechanical Equipment Substitution Insulation Change in Furnace Addition	CCF to approve a substitution for removing Asbestos Containing insulation from all furnaces in the Preheat Section or Entrance Muffle Section. This does not change the refractory material but changes/replaces the non-refractory (brick) insulation as needed and replaces it with non-asbestos containing material.	This will only apply to insulation activity to the furnaces. This substitution addition to MCP-108139 allows maintenance to re-install the insulation as needed without future CCFs for Furnaces.	Furnaces	ISA-08 Pelleting	All
22001	P1084 and P1484 Bearing Change	Update the internal components of pumps P1084 and P1484 to allow for larger particles and bearing cleanout. The new bearing will be replaced as needed or during routine maintenance.	New bearing will pass fluids with particles better than the original bearing.	SOLX	ISA-07 Solvent Extraction	All
22007	HP Lab Equipment Upgrade	CCF to replace two Tennelec counters with two new iMatic counters. HP has an existing iMatic counter and is familiar with the operation. No construction (maintenance/F&I) resources are needed for installation (units plug into a wall). The installation will be performed by the supplier with support from IT.	To update outdated equipment.	HP Lab	ISA-18 Laboratories	All
22012	Bulk Room Floor Scale Replacement	CCF to replace the floor scale used for the weighing of bulk containers. The recommended replacement has been identified and quoted by our contracted vendor	There is a need to install the vendor recommended scale replacement.	Bulk Blending	ISA-05 ADU Bulk Powder Blending	All

Westinghouse CFFF 2022 Facility Change Report						
CCF Number	Title	Description	Justification	Location	ISA ID	Phases Approved for Startup
22014	Grid Laser 3 Door Interlock Switch Replacement	This CCF will modify the left hand and right hand front sliding door interlocks on Grid Laser 3 from two switches to a single switch.	Laser keeps shutting off during production cycles. Outages caused by a lost contact in the second switch.	Grid Area - Grid Laser Welder 3	Components	All
22015	Substitute Obsolete IFBA Passive Gamma Scanner Elevator (Infeed and Outfeed) Servo Motors	The existing Servo Motors on the IFBA Passive Gamma Scanner Elevators (infeed and outfeed) are obsolete. CCF will allow use of either model (currently installed NTE-320-CBNS-000R or the recommended replacement NTE-330-CBNS-000R).	Existing unit is obsolete and no longer available.	IFBA Passive Gamma Scanner Elevators	ISA-14 IFBA Processing	All
22019	IFBA Sand Blaster Hose Options	Update IFBA Sand Blaster hose option from 2-ply to 4-ply. 2-ply will still be an option to use.	The sand blast hose fails due to normal wear and tear about once a month. thicker hose will extend the life.	IFBA Blast Cabinet	ISA-14 IFBA Processing	All
CCF-D-22023	ADU RL3 Bar Code Reader Replacement	In FY2021, ADU Rod Line 4 bar code readers (3 each) were upgraded to a newly qualified Keyence SR-2000 style reader. ADU Rod Line 3 design will be substantially similar. Procure three (3) Keyence SR-2000 style bar code readers and install on ADU Rod Line 3 at the following locations: Plugger, Girth Weld, Seal Weld.	The obsolete bar code readers have contributed to production downtime, caused significant operator intervention, and increasing maintenance and engineering costs. Inaccurate bar code readings require rods to be read several times causing production delays. In addition, replacement parts are extremely hard to procure.	ADU Rod Line 3	ISA-10 ADU Fuel Rod Area	All
CCF-D-22025	Replace the Existing Waterglass Cake Valves PV-1168	The existing Waterglass cake valves PV-1168 is obsolete and needs a replacement option.	The existing Waterglass cake valves PV-1168 is obsolete and needs a replacement option.	Waterglass	ISA-15 Wastewater Treatment System	All
CCF-D-22026	Additional hanger trees for components in the core components area (CCA)	CCF for additional hanger trees for components in the core components area (CCA) Currently seven component hanger trees are located in the CCA area. Each can store up to 12 components. This project will install four new component tree hangers adjacent to the existing seven. The new trees will be fabricated of stainless steel rather than painted carbon steel to reduce FME concerns.	Additional component hanger trees are needed to maintain production.	Component Storage	Components	All
CCF-D-22027	Alternate Felt for F-1165 Waterglass Filters	The filter cloth specified under Storeroom #312292 is being discontinued. The CCF will provide for an alternative material "466XK2". Both filter cloths are a polypropylene material, with slight differences in permeability rating.	Existing filter cloth material is to be discontinued by the manufacturer.	Outside URRS/Waterglass	ISA-15 Wastewater Treatment System	All

Westinghouse CFFF 2022 Facility Change Report						
CCF Number	Title	Description	Justification	Location	ISA ID	Phases Approved for Startup
CCF-D-22028	Replacement of Torit vacuum hose in bulk blending	Replacement of Torit vacuum hose in bulk blending. The vacuum hose, MRO 33009, used in the bulk blending room vacuum system is no longer available. Obsolete hose is a 1.5" x 15 ft long style VF vacuum hose with a 3" bend radius.	Current hose is no longer commercially available.	Bulk blending room	ISA-05 ADU Bulk Blending System	All
CCF-D-22031	Modify Crushing Plate on UF6 Bay Drum Compactor	Modify existing crushing plate design to include a circular plate that fits within the diameter of the outer drum ring. The modification will keep the center of the drum lid flat during drum compaction.	URRS has procured an electromagnetic crushed drum lifting device. It is only effective when picking up a flat steel surface. The existing crushing plate produces a domed effect on the lid of the crushed drum. The new crushing plate will create a flat lid surface on the crushed drum.	UF6 Bay	ISA-13 Low Level Radioactive Waste System	All
CCF-D-22039	UCON Pump Station Change	Create a new configuration for the UCON pumping station to allow the drum to be in a horizontal position.	This change is to improve pumping operation to cart and flow efficiency.	Near ECG room	ISA-17 Final Assembly	All
CCF-D-22040	IFBA Coater Cathode Slide Bar Modification	Redesign coater cathode slide bar design to eliminate arc during coater run due to proximity of cathode and drum.	Eliminate arcing between cathode and drum during coater runs.	Coaters 1-5, 7 & 8	ISA-14 IFBA Processing	All
CCF-D-22041	Replacement of ADU Line 3 Calciner End Seal Pressure Switch	Replacement of ADU Line 3 Calciner end seal pressure switch. A suitable replacement is required for the pressure switch.	Existing switch has failed, and a replacement is not available.	Line 3 Calciner Exit End Seal	ISA-03 ADU Conversion System	All
CCF-D-22042	Replace Process Water Piping to S-1030 Transition	Replace process water piping to S-1030 transition. Currently three spray nozzles are installed in the transition piece of the S-1030 scrubber. They spray process water on the sides of the transition to reduce the accumulation of powder on the interior surface of the transition. The flow is controlled by three ½" air operated control valves, XV-1030-1, -2, and -3. The nozzles are fed from the process water header located in Conversion via a ¾" pipe. This line separates into three ¾ inch lines on the roof. Each ¾" line reduces to ½" tubing prior to each nozzle. All outside piping is heat traced and insulated. Last month a pressure reducing valve was installed in the ¾" line in Conversion as part of CCF-21371. At a pressure setting of 50 psi, the flow rate to each nozzle was less than needed to ensure adequate cleaning. This project will install ¾" air operated full port control valves, full port isolation valves, and ¾" tubing to the nozzles. In addition, the pressure reducing valve will be replaced with a sturdier 1" valve more capable of handling the water hammer in the system. To reduce hammer in the water line caused by the air operated valves closing quickly,	Project will help ensure adequate process water flow to spray nozzles in transition of S-1030 and reduce water hammer in the system.	Roof and Conversion	ISA-01 Plant Ventilation	All

Westinghouse CFFF 2022 Facility Change Report						
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		a flow restrictor valve will be installed between each ball valve and its solenoid. The restrictors will reduce the flow rate in the exhaust direction only.				
CCF-D-22043	Conversion Piping Upgrade - SOLX Line Material Specification Change	Conversion Piping Upgrade - SOLX Line Material Specification Change. Addition of PVDF-lined pipe to approved material options for this line to prevent leaks from corroded welds. The material specification for this service fluid does not currently allow lined pipe, CCF is for a deviation to add lined pipe as an appropriate material choice for this line.	The SOLX transfer line is currently being corroded from the liquid scrap and needs to be replaced with lined pipe.	SOLX Transfer Line from Scrap Cage to URRS	ISA-07 URRS Solvent Extraction System, ISA-11 Scrap Uranium Processing System	All
CCF-D-22044	Chem Lab Waste Treatment Room Counter Gas Nozzle Removal	Project is to disconnect and remove gas (air and gas) nozzles on the countertop of the Waste Treatment Room from main line. Main lines will be plugged.	The nozzles have not been used in years and will not be used in foreseeable future.	Chem Lab Waste Treatment Room	ISA-18 Laboratories Systems	All
CCF-D-22045	Line 1-4 Grinder Wheel Rinse Tube Change	Current rinse tube limits adjustability for rinsing the grinding wheel, as a result, operators are getting either too much flow or not enough flow, both resulting in inadequate rinsing. New design is expected to fix this issue.	Rinse tube isn't rinsing appropriately, causing sludge at the pellet/grinder interface.	Pelleting line 1-4 grinder.	ISA-08 ADU Pelleting System	All
CCF-D-22047	AC 14 - Penetration Outage Work	CCF scope includes roof penetration work for the AC-14 replacement project that is expected to be completed in the outage window.	Due to the location of this work, the AC 14 work was chosen to do it separately due to the impacts on the operational areas below.	Ceiling above Pellet Line 4	ISA-08 ADU Pelleting System	All
CCF-D-22051	Electrical Outlets for Cameras on Line 8 Welders	CCF to add electrical outlets to the welders on Line 8 for weld monitoring.	Addition of electrical outlets is necessary to assist the installation of cameras for weld monitoring.	Line 8 and GW 1 and 2	ISA-10 ADU Fuel Rod Area	All
CCF-D-22052	Pelleting Pilot Line Blue M Oven Hood Duct Inspection Port Addition	Install a new inspection port in the 12" duct coming from the pilot line Blue M Oven.	Insufficient ports are available to properly inspect the duct.	Pelleting Pilot Line	ISA-01 Plant Ventilation	All
CCF-D-22054	Electrical Outlets for Cameras on Line 5 Welders	CCF to add electrical outlets to the welders on Line 8 for weld monitoring.	Addition of electrical outlets is necessary to assist the installation of cameras for weld monitoring.	IFBA Line 5 Welders	ISA-12 IFBA Fuel Rod Manufacturing System	All
CCF-D-22055	Electrical Outlets for Cameras on Line 7 Welders	CCF to add electrical outlets to the welders on Line 8 for weld monitoring.	Addition of electrical outlets is necessary to assist the installation of cameras for weld monitoring.	IFBA Line 7 Welders	ISA-12 IFBA Fuel Rod Manufacturing System	All

Westinghouse CFFF 2022 Facility Change Report						
CCF Number	Title	Description	Justification	Location	ISA ID	Phases Approved for Startup
CCF-D-22056	Adopt URRS Modification - Candle Filter Bench Testing	In order to determine the best filter media for the candle filter, bench testing with actual product solution is preferred by the vendor. A field service engineer from vendor will assist with onsite testing and a temporary test rig will be set up in the Chemical Development Lab.	Using the most suitable filter media for the candle filter will ensure proper operation of the candle filter and minimizes maintenance and downtime.	Chemical Development Lab	ISA-18 Laboratories Systems	All
CCF-D-22057	Waterglass pumps P-1167A and P-1167B Suction and Discharge Connection Options	Waterglass pumps P-1167A and P-1167B suction and discharge re-piping. The expansion joints will have the option of 2 or 3 convolutions.	The flexible couplings on the discharge of P-1167A/B have been a source of frequent leaks.	URRS Waterglass	ISA-15 Wastewater Treatment System	All
CCF-D-22058	Install Vacuum Drying Skid and Decanting Columns to Process Wet Combustible Trash Drums containing PERC	Install a new process to enable removal of perchloroethylene (PERC) from Wet Combustible Trash drums so that they can be incinerated using our normal processes. Process will vent to S2A/S2B scrubber.	Site has over 500 drums which may have some level of PERC that require removal of the PERC prior to processing in the incinerator.	Drum Storage Area in back by URRS team room.	ISA-01 Plant Ventilation System, ISA-13 Low Level Radioactive Waste System	Phases 1 thru 4
CCF-D-22062	DI Water Sulfuric Acid Pump P1361 Replacement	DI water sulfuric acid pump P1361 replacement. P-1361A has failed and is leaking oil. Also, the pump is obsolete, so a different pump must be identified and installed.	P-1361A has failed and is leaking oil and needs to be replaced.	URRS DI water	ISA-15 Wastewater Treatment System	All
CCF-D-22063	Pellet Lines 1-5 Powder Lift Door Modification	CCF to modify Lines 1 through 5 Powder Lift Door Panel Assemblies to improve sealing.	It is suspected that these door panels are not performing a perfect seal therefore this project will attempt to correct the issue.	Powder Lift Door	ISA-08 ADU Pelleting System	Phase 1 and 5
CCF-D-22064	ADU Rodline 4, Cookie Sheet Rod Loader Escapement Gate Addition	Add a passive gate over the cookie sheet rod loader escapement to help ensure that the rods are properly loaded onto the cookie sheets.	The line will continue to operate as it currently does, the new gate will primarily constrain the rod's path and limit any bounce and potential damage.	CFFF, Chemical Side ADU Rod Line 4	ISA-10 ADU Fuel Rod Area	All
CCF-D-22066	New TPBAR Humidity Sensor	Install a New Humidity Sensor in TPBAR. The Storage area of the TPBAR area is the place with the highest relative humidity (RH). Having a unit sensor located in area of highest RH will ensure unit is working to control the most limiting environmental parameters. The current RH sensor which controls the unit is located in the production area which is typically the area with lower RH.	Reduce potential issues with high humidity.	TPBAR	Components	All

Westinghouse CFFF 2022 Facility Change Report						
CCF Number	Title	Description	Justification	Location	ISA ID	Phases Approved for Startup
CCF-D-22069	Add Fire Alarm System Coverage to area between Column Lines BB to CC and 102.8 to 101.	Add 7 heat detectors to monitor area where new PERC Drum Processing equipment will be installed. An FHA update will be required, as well	Preliminary PHA for new PERC Drum process identified the need for fire detection in this area.	In Chemical Area between Column Lines BB to CC and 102.8 to 101	ISA-13 Low Level Radioactive Waste Processing	Phase 1
CCF-D-22072	V-120 Centrate Collection Tank Level Switch Substitution	CCF to authorize the replacement of LSH-120B vibrating fork liquid level switch on V-120 Centrate Collection Tank. The current model 2120DODR1NADA is no longer manufactured. The replacement level switch is the same in all significant specifications, with the exception of the addition of a relay contact. The CCF will allow use of either vibrating fork liquid level switch.	Current model of level switch is obsolete and a replacement needs to be approved for installation.	V-120 Centrate Collection Tank	ISA-03 ADU Conversion System	All
CCF-D-22074	Incinerator 5A Stack Access Door Install	Install access door on duct leg after 90-degree elbow immediately down stream of AD- 118 in the Penthouse.	Operations needs additional access point to facilitate duct inspection.	Penthouse	ISA-01 Plant Ventilation System	All
CCF-D-22075	Incinerator Torit FL-936 Duct Access Door Install	Install access door on duct upstream of elbow going to Incinerator Torit FL-936.	Operations needs an additional access point to facilitate duct inspection.	SOLX	ISA-01 Plant Ventilation System	All
CCF-D-22078	IFBA Coater Thin Film Deposition Monitor and Quartz Crystal Sensor	CCF to allow the use of a thin film deposition monitor and quartz crystal sensor to measure the coating thickness in the IFBA coating process.	Measure coating thickness as being applied to pellets to prevent B10 outages.	IFBA Coaters 1-8	ISA-14 IFBA Processing	All
CCF-D-22079	Line 2 Pellet Press R-53 Rebuild	Upgrade Line 2 Pellet Press R53 electrical and mechanical components and controls.	Improved maintenance reliability and replacement of worn components.	Pellet Line 2, between Calciner Line 2 and Sintering Furnace 2B	ISA-08 ADU Pelleting System	All
CCF-D-22089	Install Remote Input / Output Rack on SOLX Basic Process Control System to Support PERC Drum Project.	Add additional Input / Output points in area where PERC Drum Processing will occur. The remote rack will service the PERC Drum Processing equipment.	Install additional I/O required to expand system.	Area bounded by column lines 01 to 102.8 and BB to CC. Area in URRS where PERC Drums are currently stored.	ISA-13 Low Level Radioactive Waste System	Phase 1 thru 3
CCF-D-22091	SOLX Torit FL-1070 Duct Access Door Install	Install access door on duct upstream side of elbow that ventilates VH-751 on the Dissolver platform.	Operations needs additional access point to facilitate duct inspection.	SOLX	ISA-01 Plant Ventilation System	All

Westinghouse CFFF 2022 Facility Change Report						
CCF Number	Title	Description	Justification	Location	ISA ID	Phases Approved for Startup
CCF-D-22092	Dissolver Dirty Scrap S-958 Duct Access Door Install	Install access door at the end of the main ventilation duct branch upstream of A/D 97 under the Dissolver platform.	Operations needs additional access point to facilitate duct inspection.	Under Dissolver Platform	ISA-01 Plant Ventilation System	All
CCF-D-22093	Replace Existing Active Ion Gage on Coater 8	The current micro-ion gage will be replaced by 2 instruments.	The current Ion gage has been having switching issues and giving bad data. The vendor suggested we change to the 2 instruments, which will cover the full vacuum range needed.	Coater 8 chamber	ISA-14 IFBA Processing	All
CCF-D-22095	Install Adjustable Build Station at Laser Welder #6	CCF to install an adjustable workstation at the Build Station Location at Laser Welder #6.	To address ergonomics issues at this location, an adjustable table will be installed.	Laser Welder 6	Components	All
CCF-D-22102	Rental Air Compressor and Air Dryer Install	Instrument Air and Plant Air are needed to support the plant during the outage. CCF is needed to install a rental electric air compressor and heatless desiccant dryer.	Rental Air Compressor and Air Dryer is needed to support the plant during the outage.	Outside	Grounds	All
CCF-D-22103	Incinerator HP Isokinetic Probe Installation.	Re-install Incinerator Isokinetic probe. Probe will be installed in existing 8" exhaust stack to capture HP air sample.	Re-install Incinerator Isokinetic probe installation in 8" exhaust stack to capture HP air sample.	URRS Incinerator	ISA-01 Plant Ventilation	All
CCF-D-22104	Add Drain on Incinerator Exhaust Duct Between Absorber and Demister	CCF to install a 2-inch drain on the 10-inch exhaust duct on the incinerator between the Absorber and Demister. The modification is intended to improve the flow of the drain and to reduce moisture carryover to the filter bank downstream.	Improved drain flow will help reduce moisture carryover to the filter bank downstream.	Incinerator	ISA-13 Low Level Radioactive Waste System	All
CCF-D-22110	Still Tower #1 GFCI Modification	CCF to modify the existing ground fault circuit interrupter (GFCI) receptacle circuit by placing it in a weather resistant enclosure. The circuit currently services the water treatment controller. Receptacle located at Still #1 East Side.	Due to repeated trips on the current GFCI for the still cooling tower water treatment, there is a need to install an equipment GFCI in a weather resistant enclosure.	Still 1 Cooling Tower	ISA-15 Wastewater Treatment System	All
CCF-D-22112	Modify Package Plant Service Grating to Enable Access to Air Valves	Modify Package Plant Service Grating to Enable Access to Air Valves.	Improve operator access and enhance safety of affected area of grating.	Outside URRS	ISA-16 Storage of Uranium Bearing Materials	All
CCF-D-22113	Pallet Racks for Patriot Building	CCF to install pallet racking in the Patriot Building.	Install pallet racking system for material storage and promote 5S initiative.	Patriot Building	Grounds	All
CCF-D-22115	Camera Receptacles for Non-Fuel Insert Station	CCF to add electrical outlets to the Nonfuel Insert Station for a weld camera and monitor.	Need for electrical receptacle installation in the affected area.	Insert Cart and Insert Station	Components	All

Westinghouse CFFF 2022 Facility Change Report						
CCF Number	Title	Description	Justification	Location	ISA ID	Phases Approved for Startup
CCF-D-22117	Revise Exhaust Piping from LASER 4	CCF to modify the exhaust piping of LASER welder 4 to increase the secondary exhaust in order to be like LASER welders 5 and 6, which were modified under CCF 21210 and 21185, respectively.	To increase the secondary exhaust of LASER welder 4	LASER welder 4	Components	All
CCF-S-22119	Eaton Model 53 BTX Basket Strainer Substitution	Substitution CCF to replace the obsolete basket strainer for the pump cooling system on the Non-Fuel Leak Detector with the Eaton Model 53 BTX basket strainer.	The current basket strainer is obsolete and no longer works.	Helium Leak Detector Vacuum Pump	ISA-10 ADU Fuel Rod Area	All
CCF-D-22121	Demo of Build Station 2 in Brazed Grids	The existing Build Station 2 in Grids will be removed. Its equipment and components will be moved to the Grids Training area to a new fully adjustable workstation on CCF-D-22162.	Build Station 2 will be removed.	Brazed Grids	Grounds	All
CCF-D-22129	UT Common, UT XRAY, UT1, and UT2 Softhandling Pneumatics Modification	CCF to modify UT Common, UT XRAY, UT1, and UT2 Soft-Handling Pneumatics. Currently the exhausts of the air solenoids within the panels are tied together in common headers. As a result of this configuration, there is bleed-back backpressure and unwanted actuation of the bladders of the softhandling system.	Currently the exhausts of the air solenoids within the panels are tied together in common headers. The configuration causes bleed-back backpressure and unwanted actuation of the bladders of the softhandling system.	UT Common, UT XRAY, UT1, and UT2 Softhandlers in Mechanical Plant	ISA-10 ADU Fuel Rod Area	Phase 1 thru 5
CCF-S-22133	Still 2 pH Probe Substitution	Substitution CCF to allow the replacement of pH probe model Rosemount 3500VP with the recommended Rosemount 396PVP model.	The still bottoms pH probe for Still 2, PHIT-1183, is broken, and replacement has a long lead time.	Still 2 pH Probe PHIT-1183	ISA-15 Wastewater Treatment System	All
CCF-D-22135	IFBA Coater Cathode End Retainer Modification	CCF to modify the coater cathode target retainers to reduce the amount of movement the targets can slide on the cathode.	Modification will reduce the amount of cathode burn throughs in the coater.	IFBA Coaters	ISA-15 Wastewater Treatment System, ISA-14 IFBA Processing	All
CCF-F-22136	QC Inspection 6 and 8 Move	CCF modification to move the QC Inspection 6 and 8 workstations to a different location within Grid OPS and QC. The QC Rework Station move included as part of this modification.	These workstations will be moved to identify issues with Grids sooner in the workflow.	Grids	Components	All
CCF-S-22138	Conversion Line LCV312A Actuator Substitution Replacement	Substitution CCF to replace the current actuator (Type: EIA-XL0131-S80-A00) with new actuator (Type: XL0131-S80-SCW-YCO).	LCV312A HYTORK actuator is not operable and needs to be replaced. Current actuator is not available, and a new type of actuator is available in the storeroom.	Conversion Line 3	ISA-03 ADU Conversion System	All

Westinghouse CFFF 2022 Facility Change Report						
CCF Number	Title	Description	Justification	Location	ISA ID	Phases Approved for Startup
CCF-D-22139	New Build Stations for CE in LaserX	CCF to install new build stations near LaserX to support new VVER load for grids. Build stations will require network, power, and plant air run to them.	Grids will have extra load with new VVER contracts and therefore more build stations are needed for grids.	Near LaserX	Components	All
CCF-S-22140	URRS Incinerator ash rake vent flex hose.	Substitution CCFS to identify and replace the vent hose on the rake door pickup with material that is more temperature tolerant.	Existing incinerator fume hose is not flame resistant.	URRS Incinerator	ISA-01 Plant Ventilation	All
CCF-D-22145	Shed 31b Repurposing.	CCF to convert a portion of Shed 31 (Bay B) to be used as a less than 90-day storage area. The additional area is needed to temporarily store previously generated wet combustible material (WCM) drums containing small amounts of perchloroethylene and other materials. drums are being marked in this manner and stored in this new area to comply with a commitment made to DHEC and the EPA.	Additional storage space is needed.	Tractor Shed 31b	Grounds	All
CCF-D-22152	Mobile Ammonia Chiller Rental Supply/Return Connection and Power Disconnect Install	Project to modify the McQuay Unit ammonia chill water lines and power to be able to isolate the McQuay unit and connect and operate the Mobile unit instead of the McQuay.	The secondary McQuay Ammonia Chiller unit is down and need repairing. Mobile unit will serve as the backup unit in case the primary unit fails, while secondary unit is being repaired or replaced.	Outside Building Behind UF6 Bay	ISA-03 ADU Conversion System	All
CCF-D-22153	LaserX Filter Flange Weldment Modification	CCF to modify the filter flange weldment to allow fit up of the Soot Filters for Laser X.	The current dimensions of the filter flange weldments allow very little room for error for the filter element manufacturers. This often results in an interference of the filter element installation due to the filter element outer diameter being slightly larger.	LaserX	Components	All
CCF-D-22156	Relocate Pulsation Dampener on Cylinder Wash V-07B Pump P-05	Relocate Pulsation Dampener on Cylinder Wash V-07B Pump P-05.	The pump vendor manuals state that the surge dampener should be as close to the discharge of the pump as possible.	Cylinder Wash	ISA-09 URRS Cylinder Wash System	All
CCF-S-22158	WATLOW Over-Temp Controller Substitution	Substitution CCF authorizing the replacement of a Watlow Temperature Controller Range to 2000 °F for a controller of the same manufacturer previously rated to 2500 °F. CCF will allow use of either Watlow Temperature Controller for this application.	The current model LVC1KW00002500A has a long lead-time that will impact Tooling's support to the plant.	Tooling Fabrication; FC8542 - Cress Furnace	Components	All
CCF-D-22159	Structural Platform above Pellet Press 2 Modification,	CCF to modify the structural platform above Pellet Press 2 (7' level) to accommodate the installation of a new cable tray. In addition, this modification restores missing anchors at structure's column (bolts one of columns to the floor).	The new cable tray will allow for easier removal/reinstall of the pellet press, which will conserve resources in the future. Restoration of	Structural platform (7' level) above Pellet Press 2.	ISA-08 ADU Pelleting System	All

Westinghouse CFFF 2022 Facility Change Report

CCF Number	Title	Description	Justification	Location	ISA ID	Phases Approved for Startup
	to Allow for Installation of Cable Tray.		the missing anchor bolts at the column will assure the structure meets seismically requirement.			
CCF-D-22160	Modification of Warm Caustic Polypak Enclosure	Modify the polypak enclosure on the discharge of the F-1168 warm caustic filter press, to change from Lexan to stainless steel. No change in dimensions.	The Lexan material frequently becomes brittle and breaks, resulting in frequent downtime for repair.	URRS Outside / Waterglass	ISA-15 Wastewater Treatment System	All
CCF-D-22162	Training Area in Grids	CCF to repurpose an area near Brazed Grids into a training area. Workstations will be installed with adjustable tables.	Training area is needed for new employees to support the new VVER workload.	Brazed Grids	Grounds	Phase 1, 2, 3, 6, and 7
CCF-S-22163	Rod Weigh Walking Beam Pneumatic Cylinder Substitution	Substitution CCF to allow the substitution of the pneumatic cylinder used to transfer rods between walking beams at Rod Weigh. The A Side transfers rods between Walking Beam A2 & A3. The B Side transfers rods between Walking Beam A5 & A6. The existing cylinder on the A Side is damaged and obsolete and requires replacement. CCF will also cover the replacement of the B Side cylinder when required.	The existing cylinder is damaged and obsolete.	Rod Weigh Walking Beam Side A & B	ISA-10 ADU Fuel Rod Area	All
CCF-D-22164	Pressure Transmitter PT-S-945 Pressure Change	CCF to change the range of PT-S-945 from 0-120 psi to 0-200 psi to prevent nuisance trips from pressure spikes in the city water line.	Incinerator is tripping offline due to spurious spikes in city water pressure. Re-range PT-S-945 to allow for pressures of up to 200 psi, without tripping out the incinerator.	Incinerator Off Gas Scrubber	ISA-13 Low Level Radioactive Waste System	All
CCF-D-22166	Siletta Feeder Thinned Top Boot and Alternate Clamp Gasket that is Resistant to Tearing and Deformation.	Roll Compactor Siletta Feeder Boot Change Request and alternate quick connect gasket. Alternate material Quick Clamp Gaskets to improve resistance to tearing and deformation.	The current boot thickness is stiff enough such that the top Siletta Feeder Quick Clamp Flange cannot be easily moved and held out of the path of the feeder when being removed/re-installed. An alternate material for the Quick Clamp Gaskets to improve resistance to tearing and deformation.	Pelleting Siletta feeder	ISA-08 ADU Pelleting System	All
CCF-D-22169	Hydrogen Pressure Monitoring Reconnection	Connect hydrogen supply to PIT-1003 using an existing valve on the new header.	PIT-1003 monitors hydrogen supply pressure that's recorded in PI. Reconnecting PIT-1003 will address CAP IR-2022-4009.	UF6 Bay	ISA-03 ADU Conversion System	All
CCF-D-22171	Move Engraver on Table	The engraver table at laser 5 (418F02EQ10) needs to be modified to bring the engraver closer to the operator. The operator currently has to stretch across the table to access the equipment.	The operator currently has to stretch across the table to access the equipment.	Laser Welder 5 in Grids	Components Structures	All

Westinghouse CFFF 2022 Facility Change Report						
CCF Number	Title	Description	Justification	Location	ISA ID	Phases Approved for Startup
CCF-D-22173	Replacement of SOLX Flow Transmitters FT-1076 and FT-1476.	CCF to replace SOLX DP Flow Transmitters FT-1076 and FT-1476 with Magnetic Flow Transmitters.	Existing DP flow transmitters are prone to leakage and internal wear due to the fluids they contact in the process. The proposed magnetic flow transmitters are more resistant to these conditions.	SOLX Feed Tanks 1076 and 1476	ISA-07 URRS Solvent Extraction System	All
CCF-D-22174	Installation of STA Alarm Trip to Replace Failed Ortec Relay Card in IFBA Scrap Gamma Scanner system.	Replacement of Ortec relay module with Moore STA Alarm Trip. System is covered by ISA14.	The Ortec alarm card has failed and is obsolete. Similar installations exist using Moore SPA trips in SOLX and the Conversion Lines.	MOP Water Effluent Monitor RE-7092	ISA-14 IFBA Processing	All
CCF-D-22175	Remove Spool that Collects Calcium Carbonate Scale on Pumpout Line from West II to West I	Remove a spool that contains a reducer, tee, and valve as well as an additional block valve on the pump out line from West I to West II.	This spool was installed to run a past pilot study and is no longer needed. The restriction caused by the valve slows the flow and encourages calcium carbonate scale to form at this location. During our last pipe cleanout, the most significant blockage was found at this spool.	West Lagoons	Grounds	All
CCF-D-22176	Improvements to Acetone Dispensing System	Configuration change to the acetone dispensing system to reduce the volume of the drum heel.	Reduce the amount of acetone remaining in "empty" acetone drums	In walkway near zinc room	Grounds	All
CCF-D-22183	Incinerator Ventilation Duct Heating Element Gasket	There is currently a gap between the Incinerator duct heater top cover and housing, allowing air to be pulled into the system. This CCF will install a gasket between the duct heater top cover and housing to eliminate the gap and seal the duct.	Installation of the gasket will eliminate potential paths for debris intrusion and fly-ash to escape the scrubber system.	Incinerator Ventilation Duct Heating Element	ISA-01 Plant Ventilation	All
CCF-D-22184	Scrap Cage Gamma Monitor Piping Replacement	CCF to replace the piping from the Scrap Cage to the Scrap Cage gamma monitor. Currently there are several different pipe materials of PVC, Kynar, and Stainless. This CCF will change part of it to stainless for consistency and keep the Kynar on the horizontal run to the Gamma Monitor.	Replace piping due to clogging, material inconsistencies, and provide a more favorable pipe routing.	Scrap Cage Gamma Monitor	ISA-11 Scrap Uranium Processing System	Phase 1
CCF-F-22185	Satellite Accumulation Station SAA-11 Removal	Satellite Accumulation Station (SAA) -11 is no longer being used and will be demolished. Scope includes removal of waste paint drum and aerosol puncture station from flammable cabinets staged underneath the shed between Sealands, S-30 & S-31, adjacent to the tractor shed. The flammable cabinets will remain in the area for future use. Waste labels will be removed.	Satellite Accumulation Station (SAA) -11 is no longer being used and will be demolished.	Plant Grounds next to Tractor Shed	Grounds	All

Westinghouse CFFF 2022 Facility Change Report						
CCF Number	Title	Description	Justification	Location	ISA ID	Phases Approved for Startup
CCF-S-22186	Replace Y-strainer in UN line to spiking station #2	Substitution CCF to replace Y-strainer in UN line to spiking station #2. The Y-strainer on the UN line feeding spiking station #2 showed signs of wear and the strainer model is no longer available.	The Titan-FCI Y-strainer on spiking #2 is no longer commercially available.	Incoming UN Pipe to Spiking Stations	ISA-03 ADU Conversion System	All
CCF-D-22188	Laser X Grippers Modification	Project is to have Tool Shop machine notch outside edges of Laser X grippers to universally fit Laser 3, 4, 5 and 6 tooling configurations.	Modification of Laser X grippers will provide necessary clearance to be used with different tooling configurations/fixtures.	Laser X	Components	All
CCF-D-22195	Remove and Replace Valve 005-2 on P302 Discharge Line with Spool Piece	Remove and replace Saunders valve (PN-025-34-50-A-11T-P2), tagged# 005-2, on P302 discharge line with a spool piece. Located in Conversion Line 3.	Valve 005-2 leaks. Lockout/Tagout will not be impacted as there is another valve (005-3) downstream from valve 005-2 less than two feet away.	ADU Line 3	ISA-03 ADU Conversion System	All
CCF-S-22204	Substitution of reversing motor started for Pellet Line 4 Powder Lift.	Substitution CCF for a reversing motor starter for Pellet Line 4 Powder Lift. An EATON A56DN0AB starter (S.R #19500) will be substituted for existing, obsolete and unavailable starter Cutler-Hammer model W210MLCFC contactor with WBL3FJ overload	Existing starter/overload assembly has failed and is obsolete and not available from the storeroom.	Line 4 Powder Lift Control Panel	ISA-08 ADU Pelleting System	All
CCF-D-22207	Install Manual Sample Port on River Discharge Line	Install a manual sample port on the river discharge line. The sample port will be located on the discharge of the Round Tank Pumps P-1116A/B. The sample port will be on a line that pulls from this line and returns to the Round Tank T-1116.	The sample port enables data collection for evaluating process improvements.	Outside URRS	Grounds	All
CCF-S-22208	XV756F Actuator Substitution	Substitution CCF to replace the valve actuator and solenoid on XV756F on the SOLX Dirty Scrap Safe Geometry Dissolver.	Currently the valve body for XV756F is leaking. While replacing the valve the actuator will be upgraded to the Worcester Series F39 that was evaluated by CCF 21085 and ITR PSEDoc-0007724.	Dirty Scrap Dissolver	ISA-04 Safe Geometry Dissolver System	All
CCF-S-22211	Substitution for alternate level transmitter for ADU Lines 1 and 5 precipitator tanks.	Substitution CCF for alternate sensor for Conversion Lines 1 and 5 precipitator tank level transmitters LIT-S-x05A & B.	One existing transmitter has failed. The exact replacement is not available from the storeroom and currently has an extended lead time.	ADU Lines 1 and 5 Precipitator Tanks	ISA-03 ADU Conversion System	All
CCF-S-22212	Saunders Lined Valve (SR#63061)	Substitution CCF to replace an obsolete valve model in Conversion.	Valve obsolete. PFA lined is approved per FSS-003-13	Conversion	ISA-03 ADU Conversion System	All

Westinghouse CFFF 2022 Facility Change Report

CCF Number	Title	Description	Justification	Location	ISA ID	Phases Approved for Startup
CCF-D-22218	Dump Hood and Gather Station PC Change out	CCF to change out the Dump Hood and Gather Station Computers.	The current PCs are running windows that is no longer supported by Microsoft. Upgrading to Windows 10 to maintain Windows updates and support as necessary for computer security.	Bulk Blending Gather Station and Dump Hood.	ISA-05 ADU Bulk Blending System	All
CCF-D-22222	IFBA Dehumidification steam piping modification	Rework balance line between exhaust and condensate inlet for Spirax Sarco APT-14 at PK9662 reactivation coil condensate recovery.	Piping rework will alleviate a potential pumping problem.	IFBA Dry Room Dehumidification Skid Outside of Building	ISA-12 IFBA Fuel Rod Manufacturing System	All
CCF-D-22227	IFBA Mop Water HMI Replacement	IFBA project/MOP Water Human Machine Interface (HMI) Replacement. Replace existing QP HMI Model IC754VSI12CTD - with direct replacement model IC755CSS12CDB	HMI Model IC754VSI12CTD Discontinued - direct replacement model IC755CSS12CDB	IFBA – Scrap Cage / Mop Water	ISA-14 IFBA Processing	All
CCF-D-22228	Conversion Line 3 Electronic Horn Replacement (Dispatch 142397)	CCF to substitute an alternate Alarm Horn for Conversion Line 3. The Horn is from the same manufacturer, same voltage, same current, both are UL listed but the manufacturer Part Number changed. Both models 450 and 450E electronic horn offer a loud, clear and distinctive tone.	Electrical failure on the Decanter control panel resulted in the horn failure. The replacement horn's model number has changed by the manufacturer. The alternate alarm horn for Conversion Line 3 is from the same manufacturer, same voltage, same current, both are UL listed. Both models 450 and 450E electronic horn offers a loud, clear and distinctive tone. The manufacturer updated the model number to include "E" to indicate electronic.	Conversion Line 3	ISA-03 ADU Conversion System	All
CCF-D-22231	SOLX Wonderware PC Change Out	Scope includes the change out of the old Windows 7 PC with a new Windows 10 PC in the SOLX operating area. This PC uses Wonderware application for display to the operator screen and has SSCs associated with it. SSCs identified in the CCF that required testing to confirm functionality.	Windows 7 is no longer a supported operating system from Microsoft. We need to upgrade this PC to Windows 10 to maintain security updates and support for the new operating system.	URRS Operators Station in SOLX	ISA-04 Safe Geometry Dissolver System, ISA-02 Uranyl Nitrate Bulk Storage System, ISA-07 URRS Solvent Extraction System	All

Westinghouse CFFF 2022 Facility Change Report						
CCF Number	Title	Description	Justification	Location	ISA ID	Phases Approved for Startup
CCF-D-22234	Warm Caustic Hot Water BFP Substitution RP-06-56A, RP-06-56B, RP-06-57-A, RP-06-57-B	Vendor has changed model numbers for the hot water backflow preventers in the warm caustic process. Substitute new model number with "LF" prefix.	Vendor has changed model numbers for the hot water backflow preventers in the warm caustic process. Substitute new model number with "LF" prefix.	URRS Waterglass	ISA-15 Wastewater Treatment System	All
CCF-D-22235	F-1165 Alternate Felt	Allow for the use of felt material NPO1801GL2 from Cross Filtration. It is polypropylene (like existing felts), with small differences in weight and weave.	Attempting to find a felt that will result in longer filter life.	URRS / Waterglass	ISA-15 Wastewater Treatment System	All
CCF-D-22236	IFBA Coater Quartz Crystal Sensor Monitoring Location Modification	CCF to change the location of the quartz crystal sensor monitoring port on the coater front door. The original location introduced with CCF-D-22078 has a protrusion on the inside of the door, making it too thick for the sensor to thread into the port.	The original location does not accommodate the sensor.	IFBA Coaters	ISA-14 IFBA Processing	All
CCF-S-22243	HEPA Filter Alternative for SR#21062	Approve HEPA Filter SR#21075 (Model# T-007-W-04-05-NU-51-00-GG-FU5) to be used as an alternative for SR#21062 (Model# O-007-W-04-05-NU-51-00-GG-FU5). T-clips on SR#21075 (Model# T-007-W-04-05-NU-51-00-GG-FU5) will be removed and filter will be used on equipment that uses SR#21062. SR#21075(Model# T-007-W-04-05-NU-51-00-GG-FU5) with T-Clip removal will used on: DC1515, DC1609, DC1709, DC1809, DC3151, FLH1389, FN1564, FN1714, VNT700D7 and X7901B7.	SR#21075 (Model# T-007-W-04-05-NU-51-00-GG-FU5) is the same type of filter as SR#21062 (Model# O-007-W-04-05-NU-51-00-GG-FU5), but SR#21075 has hardware T-Clips and 21062 does not have T-Clips. T-Clips will need to be removed to be similar type filter.	Pelleting Area	ISA-08 ADU Pelleting System	All
CCF-S-22245	Conversion Decanter Glyd Ring (O-Ring) Substitution	The Turcon Glyd ring used to rebuild the decanter rotating assembly is currently not available. CCF to specify a substitution. The storeroom number is 360301. The part is shown on drawing 360F26EQ10 and is identified as item number 57 in the bill of material.	The lead time to obtain the current part is 19 weeks.	ADU Conversion Decanters	ISA-03 ADU Conversion System	All
CCF-D-22258	CAMFIL Stainless Steel HEPA Filter Alternative for SR#21500	Approve HEPA Filter Model# 01XH to be used as an alternative for SR#21500. Alternative filter Model# 01XH is a UL586 stainless steel box frame HEPA Filter versus current filter Model# O-007 is a UL586 fire retardant plywood box frame HEPA Filter.	UL586 FR Plywood HEPA filters material is not readily available. UL586 stainless steel HEPA Filters material is currently more readily available. Stainless Steel HEPA Filters will be used as back up.	Roof	ISA-01 Plant Ventilation System	All
CCF-D-22260	Fire Water Tank #2 refurbishment	CCF to restore and bring fire water tank #2 in line with code.	Fire water tank #2 has areas that do not meet current codes. A list of 21 items were identified to improve code compliance.	Outside the Low Level Waste Building.	Grounds	All

Westinghouse CFFF 2022 Facility Change Report						
CCF Number	Title	Description	Justification	Location	ISA ID	Phases Approved for Startup
CCF-D-22262	Install New Floor Grating and Supports in the First Section (West Side) of the S-958 scrubber.	CCF to install supports and grating that are designed to be used together. The floor grating will be 1.5" deep x 1.5" square mesh. Two types of supports will be used: Fiberglass double notch head supports will be used on the seam between two sections of grating, holding them together, and single notch supports will be used for general support throughout.	The floor in the first chamber collapsed. CCF will duplicate the flooring that was installed in the second section of the scrubber, in CCF 16541. Also, the old flooring was very difficult to remove for scrubber cleaning.	Roof over SOLX	ISA-01 Plant Ventilation	All
CCF-D-22265	Men's Change Room Refurbishment	Men's change room on the clean side - project to replace the tile flooring and the ceiling within the two showers. HP surveyed the flooring and determined fixed contamination was found. Material to be disposed of as low-level waste.	There are several shower stalls roped off due to damaged ceiling. In addition, the old vinyl tile flooring is coming up causing tripping hazards.	Men's Change Room	Grounds	Phase 1 and 2
CCF-D-22276	UF6 Pad Storage Rack Post Installed Anchor Screws	UF6 Pad Storage Rack Post Installed Anchor Screws - Nondestructive Examination of the UF6 Cylinder Storage Racks noted multiple rack locations with anchor bolts that are either missing or degraded due to atmospheric or soil-based corrosion.	Eliminate hazard of degraded anchor bolts potentially impacting the structural integrity of the storage rack.	UF6 Storage Cylinder	ISA-03 ADU Conversion System	All
CCF-D-22284	"A" Cell Chemical Cooling Tower Structure Change	CCF to document the updated structure that is being installed on the "A" Cell Chemical Cooling Tower.	The existing structure had cracking and had to be replaced. The manufacturer has begun upgrading their Cell Structures with a new design. The new design will replace the cracked structure elements.	Chemical Cooling Tower	Grounds	All
CCF-D-22285	T-1143 Hot Water Tank Backflow Preventers	During the low temperatures experienced during the winter holidays, the four BFPs going to P-1160A and P-1160B from T-1143 were damaged from freezing conditions in Waterglass. The hot water backflow preventers are made to order and have an 8-9 week lead time. This CCF will replace these Watts LF909M1-QT-HW 2 backflow preventers with an alternate from Zurn (Model 975XL2). This alternate is rated for 180 degrees Fahrenheit whereas the current backflow preventer is rated for 210 degrees. URRS operations must administratively control the temperature below 180 degrees Fahrenheit with these alternate backflow preventers (BFP) in place when using the P-1160A or P-1160B pumps.	Current backflow preventers are damaged from freezing conditions and are IROFS and must be replaced.	Waterglass	ISA-15 Wastewater Treatment System	Phase 1 and 2