

Westinghouse CFFF 2013 CCFs

CCF Number	Title	Description	Justification	Location	ISA ID	Engineer
10014	Waterglass Cake Dissolution Gamma Monitors	Fabricate and install a Gamma monitor Control panel in the Waterglass Building for monitoring the Cake Dissolution process discharge. Actual Implementation of the Gamma monitoring system will be performed under another CCF.	The CSE for this process requires monitoring U235.	Waterglass Building	ISA-15 URRS Wastewater Treatment System	Lowe, Vernon E
10024	Install New Waterglass Cake Dissolution System Piping Inside and Outside the Waterglass Building	This project will install the new ventilation, process and service/utility piping for the new Favorable Geometry Waterglass Cake Dissolution Process. All design, fabrication and installation for structural steel, equipment and electrical and controls will be done under other CCFs. The piping design was based on the new SSC's defined in the CSE for Warm Caustic Waterglass Cake Dissolution System, CSE-15-D, Rev 0, attached to this CCF.	This new process is required to meet the new Criticality Safety requirements.	Inside and Outside the Waterglass Building	ISA-15 URRS Wastewater Treatment System	Shuler, Robert G
10101	Oxide coater 2 drain lines	Add 4 drain lines to oxide coater 2 cooling water system.	Need a way to drain the lines for maintenance.	Oxide coater 2 mezzanie	Clean Side Rod Area	Davis, Alicia D
10417	Relocate Activity Monitors on T-1039	Relocate the UNH Activity Monitors (RT-1039A and RT-1039B) on T-1039. This CCF will include running new wire, cable, and conduit.	This change is being initiated by CAPs issue 10-018-C011 and the resultant customer 1st project. The existing monitors are suspected of being unduly influenced by the solution in the vessel. We will be relocating the Monitors below the tank and shielding the sensors to minimize the background radiation. T-1039 will be used to collect data to confirm the impact of the background radiation and its effect on the accuracy of our readings. A separate CCF will be issued for the new mounting (housing) fixture	Activity monitors on Tank T-1039 on UNH pad	ISA-15 URRS Wastewater Treatment System	Page, Scott C
10502	Replacement of UT Inspection DEC Hard Drives UT Line 1	This project will replace the old and obsolete DEC PDP 11 Computer hard drive on the UT inspection system on Rod Top End Inspection Lines 1. The current SCSI disk controller and MFM type hard drive will be replaced with a modern, industry standard KDJ11-BB processor and SCSI type dual hard drive. No software changes are required and the installation is the same as replacing the existing hard drives (The existing hard drives fail approx. 1 time per year). During this installation the computer will be cleaned and new fans installed.	There are only 8 spare hard drives in existence and at the current failure rate they will only last for 1 - 2 years. The existing system is unreliable and has no hard drive backup capabilities except loaded software on the spare hard drives. The new components function identically to the existing and no operator or UT technician tasks will change.	CFFF, Mechanical Area, Rod Top End Inspection Line 1	Components	Harpster, Leon J

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10651	ADU Pellet Tray Stiffeners	<p>Addition of a stiffening rod to the outside edges of the ADU pellet loading trays that will reduce impact damage.</p> <p>Drawing was modified through TDR process, so DAP is not attached. A copy of the modified drawing is found in the attachments.</p>	<p>Recently within the pellet area, there has been an upswing in the amount of EPNS written for large side chips known as MPS. Damage to the trays have been identified as possible contributors to the MPS defect.</p> <p>The stiffener will help prolong the time between repairs and, ultimately, should reduce the amount of MPS caused by the trays themselves.</p>	Pellet Grinding and Inspection, Rod Loading	ISA-08 Pelleting	Amormino, Sean T
10775	Cooling Water to Thermal Stability Ovens	Revamp the cooling water supply piping to the Thermal Stability Ovens 1 & 2. The existing 1 inch carbon steel pipe will be replaced using 2 inch carbon steel pipe and fittings per FSS-003-01.	This increase in pipe size will eliminate the low cooling water flow problems experienced on both ovens.	Plant Utilities / Cooling Tower Water	ISA-08 Pelleting	Page, Phillip B
10783	Relocation of Loops CI-1362A, 1362B, LI-1365 and 51 from TDC Controller to C200 Controller	<p>Relocate loops listed below:</p> <ol style="list-style-type: none"> 1. CI-1362A, DI Water Conductivity Side A 2. CI-1362B, DI Water Conductivity Side B 3. LI-1365, DI Water Tank Level 4. LI-51, Nitric Acid Storage Level from TDC Box 30 to Stills C200 controller. 	TDC 2000 equipment is obsolete and does not have tight controlling limits. Relocation of loops to C200 will also reduce downtime after a power loss and restoration.	URRS Outside Stills Control Room	Miscellaneous	Chiu, Jessica S
10784	Relocation of Loops AI-06A, AI-06B, and FI-HE01 from TDC Controller to C200 Controller	<p>Relocate loops listed below:</p> <ol style="list-style-type: none"> 1. AI-06A, Helium Line Moisture Analyzer 2. AI-06B, Helium Line N2 Analyzer 3. FI-HE01, Helium Flow from TF to Plant from TDC Box 30 to Stills C200 controller. 	TDC 2000 equipment is obsolete and does not have tight controlling limits. Relocation of loops to C200 will also reduce downtime after a power loss and restoration.	URRS Outside Stills Control Room	ISA-06 Chemicals Receipt, Handling and Storage	Chiu, Jessica S
10785	Relocation of Loop LI-1125 and LI-1187 from TDC Controller to C200 Controller	Relocate loop LI-1123, Sanitary Sump and LI-1187, Contaminated Water tank Levels from TDC Box 30 to Stills C200 controller.	TDC 2000 equipment is obsolete and does not have tight controlling limits. Relocation of loops to C200 will also reduce downtime after a power loss and restoration.	URRS Outside Stills Control Room	ISA-06 Chemicals Receipt, Handling and Storage	Chiu, Jessica S
10787	Relocation of Loops AIT-29A, 29B, 29C, and 29D from TDC Controller to C200 Controller	<p>Relocate loops listed below:</p> <ol style="list-style-type: none"> 1. AIT-29A, NH3 Detector A-SE Tank Farm 2. AIT-29B, NH3 Detector B-NE Tank Farm 3. AIT-29C, NH3 Detector C-NW Tank Farm 4. AIT-29D, NH3 Detector D-SW Tank Farm from TDC Box 30 to Stills C200 controller. 	TDC 2000 equipment is obsolete and does not have tight controlling limits. Relocation of loops to C200 will also reduce downtime after a power loss and restoration.	URRS Outside Stills Control Room	ISA-06 Chemicals Receipt, Handling and Storage	Chiu, Jessica S
10792	Relocation of Loops CLI-1115, and LI-1148 from TDC Controller to C200 Controller	<p>Relocate loops listed below:</p> <ol style="list-style-type: none"> 1. CLI-1115, Aerator Chlorine 2. LI-1148, Aqueous Waste Water Tank Level from TDC Box 30 to Stills C200 controller. 	TDC 2000 equipment is obsolete and does not have tight controlling limits. Relocation of loops to C200 will also reduce downtime after a power loss and restoration.	URRS Outside Stills Control Room	ISA-06 Chemicals Receipt, Handling and Storage	Chiu, Jessica S

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11016	Removal of Unused Equipment UT Rod Inspection Line 1	This CCF will cover removal of abandoned in place equipment(Labview UTIC computer, switches, sensors, brackets, other hardware) that is no longer used on the UT Rod Inspection Line 1 in the mechanical area. These tasks are to be done to prepare the Line for installation of new UT hardware.	The existing items are in the areas where new equipment will be installed. This demolition will prepare the line for installation of the new equipment.	Mechanical Area, UT Rod Inspection	ISA-10 ADU Rods	Harpster, Leon J
11017	Sub Station 2 Monorail	Install a 500lb capacity monorail system with one hoist trolley above the Sub Station 2 breakers.	Monorail system will be used to safely lift and transport electrical buckets from the mezzanine to the floor.	Sub Station 2	Miscellaneous	Wright, Kendrick
11035	Upgrade Line 1 BPCS to Honeywell C200 hardware Phase 5	<p>This is phase 5 of a multiphase project to relocate input and output devices from the existing TDC2000 and GE Line PLC to the Honeywell C200 Controllers.</p> <p>Revision: FT-106B was rewired to use internal loop power instead of external power. Additional demolition clouds were added for the Estop and handshake signals to clarify removal. Offgas relay connections were clouded to show replacement of relays. Drawings were updated to show TY-109 demolition. SV-S-109-1 output was moved from Q63 to Q62 to be consistent with PLC program.</p>	<p>The existing TDC2000 is obsolete and must be replaced to maintain the ability to produce powder in the conversion area. The non-safety GE Line PLC functions will be migrated to the Honeywell C200 so that all process control is being done from one system.</p> <p>This is similar to CCF 11-026.</p>	ADU Line 1	ISA-03 ADU Conversion	Batten, Alan C
11061	Reroute power for Line 2 Decanter Bearing Temperature	Reroute the power for the Line 2 Decanter Bearing Temperature indication from Line 3 Dryer Panel to the Line 2 PLC cabinet.	Currently Line 2 will shut down if the line 3 dryer panel is turned off. This change will isolate Line 2 from Line 3. No safety significant controls will be affected. See attached ITR for impact.	ADU Line 2	ISA-03 ADU Conversion	Batten, Alan C
11062	Migrate UN-902 and UN-105A/B to UN Bulk Storage PLC	<p>Relocate SSC UN-902 and UN-105A/B from Planttwo PLC to UN Bulk Storage PLC. Replace existing high level sensors with new Rosemount point level switches.</p> <p>Revision: Alarm horn contact was shown as normally open and should have been normally closed. PLC logic had jumper shown for logic blocks that was not intended. ITR has been updated accordingly.</p>	The existing general purpose programmable logic controller is obsolete. The UN Bulk Storage programmable logic controller is only used for administrative SSC's so moving the SSCs will separate them from existing process controls.	UN Bulk PLC	ISA-02 Uranyl Nitrite Bulk Storage Tanks	Batten, Alan C

CCF Number	Title	Description	Justification	Location	ISA ID	Engineer
11076	Men's Change Room Hot Water Recirculation Pump	Replace Bell & Gossett Series 100 cast iron recirculation pump with a Bell & Gossett NBF-22 bronze recirculation pump. Both pumps have the similar electrical rating and dimensions (will be a swap out).	Series 100 cast iron reacts with oxygen in the water creating rust; cast iron deteriorates faster than bronze material in potable hot water system. Bronze material is compatible with oxygen in the water, therefore pump will have a higher life span than cast iron pump. Plus, there will be less FM in the water that could plug lines and valves.	Equipment Room 1	Miscellaneous	Wright, Kendrick
11093	Line 2 Powder Prep 3rd Level Jib Crane Modification.	<p>1. Raise the 3rd level jib crane mast 57.50 inches and lengthen jib crane boom 6 inches. Ref. attached ORIGINAL CRANE INFORMATION, CRANE CALCULATIONS REVISED 08-16-13 & 322F01EQ11-1109301rC21-Sealed1 files.</p> <p>2. Install an electronic hoist to replace the current manual hoist. Ref. attached HARRINGTON HOIST INFORMATION file.</p> <p>3. Re-route 2" PVC vacuum line, and reduce fence height.</p> <p>Ref. CCF 13184 for changes related to Hoist modifications.</p>	<p>1. Safety. Currently there is no method to remove the powder lift drive on the third level. Consequently, chain falls have to be rigged in the ceiling to lift and lower the drive. With difficult access and tie-offs, rigging the chain fall is dangerous and could result in injury/death. The chain fall only provides vertical lifting capability i.e. horizontal movement of the component has to be done by hand. Also, there is no capability to lower the drive (and other 3rd level components) to the 1st floor i.e. at some point, these parts have to be lowered by hand to the 2nd floor and walked down stairs to the 1st floor. The new hoist system will allow the drive and other third level components to be lifted, moved and lowered to the 1st floor safely with the jib crane i.e. no chain falls and manual lifting will be required.</p> <p>2. Currently, the 3rd level jib crane uses a manual, chain hoist for lifting components. Due to the height of the crane, the hoist hand chain is extremely long. Raising the jib crane will require the hoist hand chain length to be even longer. The long chain often gets caught on other components when lifting, and thus, distracts the chain operator from the load being lifted. The chain operator tires easily having to work with so much chain length and has to often pause the lift. Shifting the load manually (i.e. making the hoist roll horizontally along the jib crane horizontal beam) at such heights is difficult. These issues often result in a tedious load lift and unsafe extremity exposure / awkward positioning to free and guide loads with the manual hoist. The electronic hoist will alleviate the need for long hoist hand chain, resolve associated lift issues</p>	ADU Pelleting \ Line 2 Powder Prep System	ISA-08 Pelleting	Vining, George E Jr

CCF Number	Title	Description	Justification	Location	ISA ID	Engineer
11173	UT1 Rod Inspection Line UT System Replacement	This project will replace the existing stand,tank, water supply system, ultrasound inspection hardware, and computer systems associated with automatic UT inspection of fuel rod top end girth welds. The system will be installed in the same area without significant change to the physical and operational characteristics. The system will use modern rotation and translation systems that will eliminate an outdated oil gearbox drive system.	The existing system uses obsolete components that have not been factory supported for several years. Parts are no longer available and require technical support from an external contractor that is the only person who understands the system in great detail.	CFFF, Mechanical Area, Top End UT Inspection Line 1	ISA-10 ADU Rods	Harpster, Leon J
11180	UT1 Rod Inspection Line PLC Replacement	The existing obsolete Numa Logic and GE 90/30 PLCs that control the material handling and UT Inspection station will be replaced with a Allen Bradley Compact Logix PLC. The PLC software will be re-written to accomidate a new UT system and improve material handling. As part of this work new sensors,electrical panels, communication blocks, brackets, and other hardware will be installed.	The existing Numa Logic PLC is obsolete and the GE 90/30 is being phased out. The current system is controlled via 2 PLCs which have to interface with each other to control the line. Problems exist with this system which causes considerable downtime. The system additionally needs to be reprogrammed to support the installation of new UT equipment. Sensors and other components are no longer available and will be replaced as part of theis project.	CFFF, Mechanical Area,UT1 Top End Weld Inspection	ISA-10 ADU Rods	Harpster, Leon J
11212	OLDI Database Communications Interface	Install Allen Bradley ControlLogix Rack with Redundant Power Supplys, 2 OLDI eATM Transaction Manger cards, 1 I/O Card and ControlLogix Processor. Connect system to PCN.	Eliminate custom programmed Cell applications along with associated Computer systems, replace with configurable hardware appliance to handle interface with the Oracle database system. Required to support installation of new UT System at UT1 and associated upgrades to Soft Handling system. This system can also be used for additional projects within the plant.	Mechanical Side of Plant at UT1 Wall	Grounds	Harpster, Leon J
11257	Replace Pen Scanner Station at D&V Inspection Table Station #2C and #2D	Install a new barcode scanning system for D&V Inspection Table Station #2C and #2D to more reliably scan barcodes on Rods.	Proposed system has been installed and is being used at one D&V Inspection Table with great success for 1 year. The new scanning system is much more reliable and effective at scanning barcodes.	D&V Inspection Table Station #2C and #2D	ISA-10 ADU Rods	Sinegar, Jill G
11323	Vacuum System Differential Pressure Gage Addition	Add a Dwyer differential pressure gage to monitor pressure drop across the ADU Pellet line central vacuum system intermediate filter.	Provide visual indication of pressure drop across the filter.	ADU Pelleting \ Central Vacuum Systems	ISA-01 Plant Ventilation System	Vining, George E Jr

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11388	Install hose pump for FA3	Install the Watson-Marlow SPX40 hose pump in place of the existing centrifugal pump to feed the filter press in IFBA FA3 scrap area. This installation will require discharge piping change from 1" diameter to 1.5" diameter pipe. Additionally, several infeed pipes and air line connections will require movement to accomodate the new pump as well as make the area less congested. All piping changes will be performed in advance on other CCFs. A pressure feed back loop will be used to stop the pump once a specified maximum (not to exceed 100psi) is met. Adjustments to the height of the stand for the mop water stand pipe and the attached diaphragm pump will be made to align all of the piping in a continuous line as well. Electrical installation and changes will be done on a separate CCF.	The current centrifugal pump has a very high seal failure rate. Seals are failing due to a "dead head" condition. The "dead head" condition occurs naturally during the filter press cycle because of trapped particles in the filter media. This hose pump is unaffected by the increase in pressure due to clogging of the filter press.	IFBA FA3 scrap area	ISA-14 IFBA Processing	Trayers, Michael E
11390	Replace AC3 Return Fan VFD	The Westinghouse VFD for AC3 Return fan is obsolete. This CCF will allow us to replace the Westinghouse VFD with an ABB VFD. CCF was demoted to remove contact see dwg: 523F03EL01 sht1 C2	The existing unit is obsolete and unreliable.	Air Conditioning unit 3 for Conversion	ISA-01 Plant Ventilation System	Page, Scott C
11407	PLN1 Coolant System Upgrades	1. Replace the mechanical float switches with a level probe (conductive; non-mechanical) system. 2. Replace the 1" ball valves with a Jamesbury equivalent. 3. Change the mounting scheme for the level probes as needed.	1. The mechanical style switches are not reliable. This will utilize the system currently installed on PLN2. 2. The valves are not robust.	cnt.bowl.1	ISA-08 Pelletting	Edwards, Logan W
11408	PLN3 Coolant System Upgrades	1. Replace the mechanical float switches with a level probe (conductive; non-mechanical) system. 2. Replace the 1" ball valves with a Jamesbury equivalent. 3. Change the mounting scheme for the level probes as needed.	1. The mechanical style switches are not reliable. This will utilize the system currently installed on PLN2. 2. The valves are not robust.	cnt.bowl.3	ISA-08 Pelletting	Edwards, Logan W
11410	PLN5 Coolant System Upgrades	1. Replace the mechanical float switches with a level probe (conductive; non-mechanical) system. 2. Replace the 1" ball valves with a Jamesbury equivalent. 3. Change the mounting scheme for the level probes as needed.	1. The mechanical style switches are not reliable. This will utilize the system currently installed on PLN2. 2. The valves are not robust.	cnt.bowl.5	ISA-08 Pelletting	Edwards, Logan W
11433	Decanter Transport/Work Table	Modify mobile scissor lift table to enable mechanics to transport decanter. Bolt a teflon chock block on top of table in order to set decanter securely on table.	Mechanics requested that they need a mobile lift table to safely transport decanter. Chocks will prevent the decanter from rolling while on table.	Maintenance Rebuild Shop	Miscellaneous	Wright, Kendrick

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11444	Gamma Scanner Test Rod Storage	Replace current test rod storage containers with new storage containers that have no Aluminum content in the manufacture.	A Safety walk down revealed Aluminum in the current test rod storage container design. BWR entry end of rods are not allowed to come in to contact with aluminum this creates a potential quality issue. New design will also incorporate means of inventory control for the test rods.	Underneath soft handling system for GS3 and GS4	ISA-10 ADU Rods	Sinegar, Jill G
11453	Replace ETFE lined pump with PFA lined pump at P-1084 and P-1484	Replace ETFE lined mag drive pumps at P-1084 and P-1484 with PFA lined mag drive pump.	There have been several failures of the ETFE lined pumps in this service - it appears permeation is the mode of failure. PFA is more resistant to permeation attack than ETFE. PFA is also more resistant to chemical attack than ETFE (if that is the failure mode, although that does not appear likely). All other ETFE lined pumps in service in SOLX and dissolvers continue to perform well.	SOLX	ISA-07 Solvent Extraction	Eddy, Margaret R
11455	Tie In Secondary Activated Sludge Plant to Operate during Package Plant Refurbishment	Tie in secondary activated sludge plant to operate during package plant refurbishment. The temporary system will be composed of a series of rental vessels that will have volume and aerobic/anaerobic condition that the current plant maintains.	The current plant has signs of severe paint failure and pitting corrosion along the water air interface. It will be taken off line and emptied for installation of a protective coating.	Outside URRS Package Plant	Grounds	Eddy, Margaret R
11460	ADU Line 1 Safety Instrumented System	Activate Safety System for back end of ADU Line 1. This will activate high level at precipitator V-106 ADUPCP-901 and UN Tank V-106 ADUHFS-901 on the safety plc. It will add two additional IROFS like Line 5 to the hydrolysis column ADUHYD-106 and ADUHYD-912/ADUVAP-147. Revision: Corrected terminal number designations for XV-S-102-1, XV-S-102-2, XV-S-102-3, XV-S-102-4, XV-S-101B-10 and XV-S-101A-10. Corrected tag name for FT-S-102-7 and FT-S-102-8. Corrected input location for XV-S-106-10 on the loop sheet. Removed time delay settings for FIT-S-102-9. Corrected Alarm #1 setting for LIT-S-102-10. Changed range of LIT-105A/B. Added range for LIT-S-106A-2 to the loop sheet.	ADD 3rd IROFS to fault tree for hydrolysis column. Implement Safety PLC to increase reliability of safety interlocks. Separate process controls from safety controls. Upgrade two chemical safety interlock to SIL 2. Similar to CCF 10-390	ADU Line 1	ISA-03 ADU Conversion	Batten, Alan C

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11489	Modify IFBA Coater #6 Cable Carriers	A new style cable carrier for wiring on IFBA Coaters is being proposed.	Current cable carriers are difficult to maintain and time intensive to change out if damaged. Support for cabling system is not performing well or holding up to stresses evident in operation. The new style cable carriers are modular in nature and would be able to be repaired easily in the section that was damaged, without disconnecting all the wires in the system as well. Specifications of the new style carrier is included as an attachment to this CCF.	Cable System on IFBA Coater #6	ISA-14 IFBA Processing	Sinegar, Jill G
11524	T-2 Tank Obsolete Temperature Indicator Removal	Remove obsolete temperature indicator (TI-2A) from the T-2 tank and install a blind flange on the nozzle.	Gauge is broken and no longer used by operations. Temperature indicator in recycle line gives fluid temperature.	URRS - Tank Farm	ISA-06 Chemicals Receipt, Handling and Storage	Trayers, Michael E
11525	T-3 Tank Obsolete Temperature Indicator Removal	Remove obsolete temperature indicator (TI-3A) from the T-3 tank and install a blind flange on the nozzle.	Gauge is broken and no longer used by operations. Temperature indicator in recycle line gives fluid temperature.	URRS - Tank Farm	ISA-06 Chemicals Receipt, Handling and Storage	Trayers, Michael E
11526	T-4 Tank Obsolete Temperature Indicator Removal	Remove obsolete temperature indicator (TI-4A) from the T-4 tank and install a blind flange on the nozzle.	Gauge is broken and no longer used by operations. Temperature indicator in recycle line gives fluid temperature.	URRS - Tank Farm	ISA-06 Chemicals Receipt, Handling and Storage	Trayers, Michael E
11543	CWW SolX/Chem Maint Drain Replacement	Replace failed underground contaminated waste water drain pipe with an aboveground system. The URRS SolX area drain will be replaced with 304L stainless steel and a new manhole will be added outside for tie-in to existing 6" DI main. The Chemical Maintenance area drain will be replaced with CPVC ChemDrain and tie-in to existing manhole on west side of building. Air motive pressure pumps will be installed to facilitate low point sources; service sinks and wash fountains. This CCF will cover installation of mains, manhole installation/tie-in, and physical installation of pumps. Drainage source tie-ins will be on separate CCFs.	Failed section of underground contaminated waste water pipe.	URRS SolX and Chemical Maintenance	Grounds	Goodwin, Jesse W
11557	Varian Gauge Replacement on Seal Weld Carts	With this CCF, we will replace S/R #189058 - Varian gauge# L97363200320 with Varian gauge PCG750KF16SD2.	This item is identified as obsolete with no recommended replacement by Varian.	BWR/ PWR Seal Weld Carts	ISA-10 ADU Rods	Parker, James A

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11563	Line 6 RCCA Top End Plugger System Replacement	This project will replace the existing Line 6 RCCA top end plugger system with a new top end plugger. The new system will be made with a heavier structure and associated mechanical components to provide the necessary robustness for both EDF and AP1000 RCCAs. The obsolete controls will be replaced with a new PLC, HMI and instrumentation controls that meet CFFF plant standards. Electrical and physical interlocks will be included to improve the safe operation of this equipment to meet standard code requirements.	The existing line 6 top end plugger has obsolete controls and the mechanical system flexes when using high plugger pressures to plug the heavy wall 1300 MW EDF RCCAs. This has led to scrap product due to incomplete plug insertions or severe galling related defects. In addition, recent investigations by NPPD has concluded that Helium backfill pressures need to be increased from a typical 25 psig to up to 200 psig to be able to meet the minimum amount of Helium in the AP1000 RCCAs. The existing system is not capable to safely operate at the higher pressures.	Line 6 Top End Plugger	Components	Stefan, Nick
11593	Plating Tank Heater Control Modification	Modify control circuits for the plating room heaters so that the heaters can be shut off and the auto-on circuit can be safely disabled.	Current system will by-pass the heater switches and turn them on even if set to off. When timer is on, there is no way to turn off the heaters.	Grids - Plating Room	Components	Trayers, Michael E
11605	IFBA Mop Water Pump Controls Upgrade	<p>This CCF will allow us to move the existing controls for the mop water pump system from the obsolete System 7 Numalogic PLC to the new Scrap Cage PLC.</p> <p>Demoted to include updated drawings for Pump VFD. 510F14EL13 sht2 and 605F00EL94 sht 200</p> <p>CCR to incorporate changes: solenoid valves are 120VAC not 24Vdc shts.200 & 503; added process stop button; added panel lighting</p> <p>Rev 1 Demoted to to attach updated Numalogic drawings. The drawing changes show the devices marked for removal. 605F00EL57, 605F00EL59, 605F00EL75. Added pump high level switch on input 32sht 605f00el94 sht 501</p>	Existing system 7 PLC is obsolete and the PLC is located on the 3rd floor in a clean area. This makes trouble shooting difficult as the scrap cage is a contaminated area.	Mop water system in IFBA Scrap Area	ISA-14 IFBA Processing	Page, Scott C
11628	ERBIA/IFBA Maintenance Shop	Change current ERBIA Team Manager office into a maintenance rebuild shop (repairing pumps, equipment etc. for IFBA area).	Room is not being used by ERBIA management. Maintenance need a work shop to rebuild equipment for IFBA.	ERBIA Area	Miscellaneous	Wright, Kendrick

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11640	Transition Replacement on FL-969	Design, fabricate and install stainless steel inlet and outlet transitions on Filter House FL-969. This CCF was demoted because of drawing changes that reflect the actual field conditions to include: a 2" offset in the transition as shown on 306F03HV02, corrected the drawing 306F03PI01 to show a flex connector on the fan inlet and to show the bolt holes from 1/2" diameter to 9/16" on the rectangular flanges on both transitions.	The existing galvanized transitions are severely corroded and challenge the passive structural integrity of SSC ID VENT-CON-105-4C/4D.	Plant roof, chemical area	ISA-01 Plant Ventilation System	Page, Phillip B
11667	Hopper replacement on FL-350 Dust Collector on Conversion Line #3	Replace the hopper on dust collector FL-350 on Conversion Line #3. This new hopper will be designed with a reinforced vibrator mounting bracket. This hopper is equipped with two level probes, both of which are IROF's. (VENT-CON-101 & VENT-CON 114 Sketch RA-108-9)	The existing hopper suffers from stress fractures around the vibrator mount.	Chemical ADU line 3	ISA-01 Plant Ventilation System	Page, Phillip B
11692	Regulator Wheel Rebuild Station	With this CCF, we will be replacing the controls for the Regulator Wheel Rebuild Station. We will make it an exact replica of whats currently on the Grinder Lines. The Emerson EN-208 and Dirve and motor will be used.	The current motor/ gearbox drive is obsolete. If nothing is done, we will not have a way to dress reg wheels for the all grinder lines. Gindre lines will stop as a result. No ssc's involved.	Rebuild Station is cage across from Sponge Blast machine in UF6 Bay	ISA-08 Pelleting	Parker, James A
11697	Standardize PI-x09C Pressure Gauge	Replace the existing PI-x09C pressure gauges with a 4" Ashcroft 0-60 PSI 1/4" NPT gauge that will be standard across all five conversion lines.	All lines have a different pressure gauge and maintenance needs to know specifically what gauge is for this application.	Hydrogen feed line to the calciner	ISA-03 ADU Conversion	Hudson, Christopher W
11699	Transition Replacement on FL-971	Design, fabricate and install stainless steel inlet and outlet transitions on Filter House FL-971. This CCF was demoted because of drawing changes to show the bolt holes from 1/2" diameter to 9/16" on the rectangular flanges on both transitions. Also the flex connector on the fan inlet will be replaced.	The existing galvanized transitions are severely corroded and challenge the passive structural integrity of SSC ID VENT-CON-106-4E.	Chemical Roof	ISA-01 Plant Ventilation System	Page, Phillip B
12007	Install New Pinch Roller System on Gamma Scanner 4	Replace the current pinch roller system on Channel A of GS-4 with a new design pinch roller.	Testing of new design to reduce rescans as a result of mechanical issues in the Rod Driving System	Gamma Scanner 4	ISA-10 ADU Rods	Sinegar, Jill G
12042	Remove Sorting Hood	Remove sorting hood and re-place with a rack for empty oxidation pan storage. Removing hood includes capping breathing air line, removing PES sample number 021, and removing conduit/electrical to the hood.	Sorting Hood is no longer being used as intended. Hood is being used for oxidation pan storage.	Scrap Cage	ISA-11 Scrap Uranium Processing	Hudson, Christopher W

CCF Number	Title	Description	Justification	Location	ISA ID	Engineer
12071	Modify Scanner Station at D&V Inspection Table Station #1A and #1B	Modify the supporting bracketry for the scanner at Station #1A and #1B to improve workspace options during rod inspection.	The current moveable arm that supports the scanner and lighting configuration is cumbersome and often in the way of the Operators when not in use. The proposed change will modify the support system to allow the scanner to be moved up and out of the way of the workspace.	D&V Inspection Table 1, Station A and B	ISA-10 ADU Rods	Sinegar, Jill G
12115	Chemical Pump Rebuild Shop Rearrangement	Remove air handler from chemical pump rebuild shop. Pull electrical for handler and condenser to the cabinet. Evacuate and remove HVAC tubing to the condenser. Remove drain line. Move Drake press from inside the rebuild shop to outside the shop as indicated by the drawing. Move the flammable cabinet from the current location outside of the shop to inside of the shop per the drawing.	Optimize the layout of the area for the rebuild team	Chemical Pump Rebuild Shop	Miscellaneous	Stafford, Kris
12120	Add ventilation to wet combustible drum scales	Add ventilation pickups to wet combustible drums on scales. S-958 (8A scrubber) will provide the ventilation.	To provide ventilation for wet combustible drums	Wet combustible trash scales	ISA-01 Plant Ventilation System	Davis, Bruce A
12135	Bulger Carrier Drive Controls	Design and Installation of controls for Bulger 1 Carrier Drive.	Addition of drive motor and controls to provide electrical assist for bulger 1 carrier movement, which is currently accomplished manually.	Skeleton Assembly	ISA-17 Final Assembly	Smith, Kerry W
12152	Move CAS Station 9 Detectors	In SOLX, move the detector elements for CAS Station 9 to a column about 5 feet to the west of the present location. The present height of the elements will be measured so that we can be sure that we maintain the same height in the new location. REV. 1. Added reference drawings under attachments. No other changes.	Currently the detectors are mounted in the corner of two walls. The third side to the detectors is blocked by V-1087A. Maintenance personnel have a very difficult time accessing the detectors for servicing and calibration. The PSE Doc with the ITR is attached under related documents.	SOLX	ISA-07 Solvent Extraction	Gantt, Stephen G
12154	Tie-In for New CWW Drain to AC-26 & Dock #4 Sink	Install new 4" SS drain line from the new 4"SS contaminated waste main to the condensate floor drain from AC-26 located on mezzanine above Dock #4. Install new 2" SS drain from pressure powered pump for wash fountain at Dock #4 and connect drain from wash fountain to pump. Tie-in to vent line going to roof at Dock #4. Demo old cast iron vertical riser to floor level and seal with concrete.	Switch contaminated drain routing to new aboveground stainless steel pipe. This will allow abandonment of old underground cast iron drain pipe once all inputs have been switched to new header.	URRS Decon / Dock #4	Grounds	Knight, Christopher S

CCF Number	Title	Description	Justification	Location	ISA ID	Engineer
12156	Tie-In for New CWW Drain to Solvent Extraction Steam Condensate	Install new 1" condensate drain line from HX-1084, HX-1484, and Solvent Extraction steam header traps to new 4" SS contaminated waste drain header.	Switch contaminated drain routing to new aboveground stainless steel pipe. This will allow abandonment of old underground cast iron drain pipe once all inputs have been switched to new header.	Solvent Extraction	ISA-07 Solvent Extraction	Knight, Christopher S
12162	Relocate Access Door #7 in Torit Dry Ventilation System	<p>Access door #7 in the IFBA torit dry ventilation system DC-801, is located in a straight run of duct approximately 30 feet above the finished floor. This access door must be removed and the duct inspected for accumulation annually. Currently there is only one manlift onsite that will reach this duct and that manlift is a manual model requiring a large radius for outrigger placement. Furthermore this manlift is heavy and awkward to maneuver, requiring at least two people for relocation and setup.</p> <p>This CCF will allow relocation of AD#7, to be moved ~ 10 feet downstream, mounted in the heel of a 28" diameter elbow. By relocating this access door, the inspector will be able to stand on an existing grated platform equipped with a handrail. This will eliminate the need for a manlift for this access door inspection.</p>	Relocation of this access door will eliminate an unsafe work condition.	IFBA / Ventilation	ISA-01 Plant Ventilation System	Page, Phillip B
12186	X-Ray Developer Room Manual Assist	Install a manual assist for removing x-ray developer components and placing in sink for cleaning.	Removal of the x-ray developer components for cleaning is awkward and places strain of shoulders and back. Activity is in the Safety in Motion red zone.	QC Inspection	ISA-10 ADU Rods	Trayers, Michael E
12187	Authorize Testing for PNEM detectors	Authorize installation and removal of test PNEM detectors and stands around existing scale and UF6 pad, as needed. Detectors, stands, and testing equipment will be provided by others. Westinghouse to provide minimal utilities as needed.	An accurate enrichment measurement of cylinders during receipt would eliminate an error likley situation and free up lab resources, EH&S resources and still meet production and safety needs.	UF6 Weigh Scale	ISA-03 ADU Conversion	Goodwin, Jesse W
12190	Plating Room Manual Assist	Install a manual assist system to cover the plating operations of grids. Manual assist to cover from the racking/unracking station through all the dip tanks. System to be sized to also handle loading of nickle bags in the plating and strike tanks. Runway, bridge and hoist installed and released under CCF 13016. The CCF will be for the end effector for moving racks of grids for plating.	Current operation is manual and requires the operators to lift racks of grids from tank to tank in the Safety in Motion red zone. Also, due to needing to clear the tanks, process fluids can drip from the racks on to the operators. Proper PPE is worn but hazard still exists.	Grid Plating Room	Components	Trayers, Michael E

CCF Number	Title	Description	Justification	Location	ISA ID	Engineer
12212	CO-326 DRYER OFF GAS CONDENSER REPLACEMENT	<p>To replace the current P22SA Alfa Laval heat exchanger model with another plate heat exchanger, the M6-MFG Alfa Laval model.</p> <p>The M6-MFG is a parallel flow unit with two cover plates (one stationary and one movable) as the P22SA style. An Independent Technical Review was conducted and can be found under "Related Documents"</p>	P22SA Alfa Laval heat exchanger model is becoming obsolete. In addition, a drain valve will be installed on the discharge cooling pipe of the new heat exchanger.	ADU Conversion Line 3	ISA-03 ADU Conversion	Chan, Fernando E
12230	Line 4 fuel rod transport	Install new shaft in line 4 rod transport that is made from 3 sections instead of one long shaft	Not enough room to replace shaft because it is about 12feet long	Rod line 4	ISA-10 ADU Rods	Stafford, Kris
12235	Install Additional Overflow Vent Pipe on 1016 Vessel	Install a one inch stainless steel overflow pipe on top of vessel 1016. The pipe will perform as a passive overflow that will be piped to the Scrap Cage floor.	This is to meet the requirements that are depicted in CSE-1-D.	Conversion Scrap Cage	ISA-01 Plant Ventilation System	Walker, Barney W
12254	Retrofit of Laser #6 scrubber	<p>This CCF will cover the following modifications to the scrubber that services Laser #6 to make it match the configuration of Laser #3, #4, and #5 scrubbers.</p> <ul style="list-style-type: none"> - Removal of the liquid filters from the scrubber unit and locating them next to the blower support frame. - Removal of the ambient inlet filter. - Modification of the inlet manifold from the scrubber venturi to the weld chambers. - Retrofit of the control system to match the other scrubbers. - Minor piping and device modifications as needed to match the other scrubbers. 	The other scrubbers have improvements that have been implemented since the installation of this scrubber.	Grid Welding Area	Components	Stutts, Roy D
12260	Demolition of scrubber S-4215	Scrubber S-4215 and associated controls and ductwork will be removed from the area. This scrubber is no longer connected to the laser welders.	Scrubber S-4215 will no longer be in service.	Grid Welding Area	Components	Stutts, Roy D
12271	Hot Oil System Supply Fan Selector Switch Wiring Modification	<p>With this CCF, we will replace the Hand/Off/Auto selector switch with a Auto/Off selector switch. No work will be done on any SSC's that exist in the field.</p> <p>Also, the dwg will be updated to reflect the existing SSC in the field. It will be highlighted per WEC Columbia dwg std.</p>	Currently, if the system is left in Hand the Supply fan will continue to run if the E-Stop is pressed. Per SSC ID ADUHOS0407, the entire system should shutdown. This system works as expected if left in Auto. This work will eliminate an error likely situation.	Hot Oil Room	ISA-03 ADU Conversion	Parker, James A
12284	Bulger Carriage Drive Initial Rack Installation	Install a 12DP X .75" wide X 90.55" long rack for the #1 bulger carriage to allow for the future use of an electric drive. (The electric drive will be installed under a follow on CCF.)	Operator effort to manually move the bulger carriages is very high. If this effort to provide an electrical assist to the operator is successful, the rack will be extended to the other carriages and additional drives will be mounted.	CFFF, Skeleton Assembly, Bulger Carriages	Clean Side Rod Area	Strimble, David C

CCF Number	Title	Description	Justification	Location	ISA ID	Engineer
12343	IT Storage Trailer Power	Install a 208-220 vac single phase 15 amp receptacle in the IT storage trailer. You may replace the water heater circuit breaker as it is unused. Install a plug on the de-gauss machine power cord to match the receptacle.	Install new degausser unit in the IT Storage Trailer.	Information Systems Storage Trailer	Grounds	McCall, Frank H
12380	Install protective curtain in plating room	Install a protective curtain and hose reel in plating room. The curtain will be suspended from the ceiling.	A computer desk was installed in the vicinity of the scrubber cleaning station after the original installation. The protective curtain will contain overspray during cleaning of the laser scrubbers.	Around cleaning station in the plating room	Components	Stutts, Roy D
12395	Bulger Carriage 1 Drive Installation	Install an electric drive system on Bulger Carriage #1. This work is being accomplished under these additional CCFs: 12-284 rack track, 12-135 controls.	This is part of the preliminary/prototype work to eliminate the work hazard caused by the high effort needed by the operators to manually move the bulger carriages.	CFFF, Mechanical, Skeleton Assembly	Clean Side Rod Area	Strimple, David C
12401	Create a new wide walkway on the Chemical Area Roof	This project involves the removal of a 6 foot length of 20 inch diameter duct located on the Chemical Area Roof, on abandoned ventilation system S-1056. The duct remaining in place will be capped and sealed. Also removed during this project will be an enclosure housing the magnehelic gages for the abandoned filter house 2A. Once the duct and enclosure are removed, grating and handrail will be installed to create a new walkway between ventilation system 961 (1A) and the filter storage trailer.	Presently, the walkway used to transport filters to filter houses 1A, FL-1008 A /B and FL-1030A/B requires travel through a 20 inch isle way. By removing the section of abandoned duct and creating a new wide walkway, we eliminate this safety risk.	Chemical Area Roof	ISA-01 Plant Ventilation System	Page, Phillip B
12402	ADU Rod Line #1 Vibratory Bed Light Curtain	With this CCF, we will replace the through beam sensor at the vibratory bed with a light curtain.	Alignment is very critical. The current through beam sensors are positioned to look at 25 rods in an area where rods are manipulated manually. To the sensors one rod is equal to 25 rods. There have been several times when the sensors were misaligned and allowed the operator to transfer rods when rods was not clear of the vibratory bed. With the light curtain, allignment is much mor forgiving and will span all 25 rod locations. Anything caught in the lightcurtain will disable the batch transfer.	ADU Rod Line #1 Vibratory Bed	ISA-10 ADU Rods	Parker, James A
12407	Coater 2 Door Drive Gearmotor	Change the main door gearmotor on Coater 2 from a Bodine to a 'generic' 115 volt, 1/4 HP, full reversing gearmotor.	The Bodine gearmotor is no longer available. Any brand gearmotor that meets the spec. of 115 volt, 1/4 hp, full reversing could be a replacement	IFBA, FA1, Coater 2	ISA-14 IFBA Processing	Sinegar, Jill G

CCF Number	Title	Description	Justification	Location	ISA ID	Engineer
12408	Coater 3 Door Drive Gearmotor	Change the main door gearmotor on Coater 3 from a Bodine to a 'generic' 115 volt, 1/4 HP, full reversing gearmotor.	The Bodine gearmotor is no longer available. Any brand gearmotor that meets the spec. of 115 volt, 1/4 hp, full reversing could be a replacement	IFBA, FA1, Coater 3	ISA-14 IFBA Processing	Sinegar, Jill G
12411	ADU Rod Line #2 Vibratory Bed Light Curtain	With this CCF, we will replace the through beam sensor at the vibratory bed with a light curtain.	<p>Alignment is very critical. The current through beam sensors are positioned to look at 25 rods in an area where rods are manipulated manually. To the sensors one rod is equal to 25 rods. There have been several times when the sensors were misaligned and allowed the operator to transfer rods when rods was not clear of the vibratory bed.</p> <p>With the light curtain, alignment is much mor forgiving and will span all 25 rod locations. Anything caught in the lightcurtain will disable the batch transfer.</p>	ADU Rod Line #2 Vibratory Bed	ISA-10 ADU Rods	Parker, James A
12413	ADU Rod Line #4 Vibratory Bed Light Curtain	With this CCF, we will replace the through beam sensor at the vibratory bed with a light curtain.	<p>Alignment is very critical. The current through beam sensors are positioned to look at 25 rods in an area where rods are manipulated manually. To the sensors one rod is equal to 25 rods. There have been several times when the sensors were misaligned and allowed the operator to transfer rods when rods was not clear of the vibratory bed.</p> <p>With the light curtain, alignment is much mor forgiving and will span all 25 rod locations. Anything caught in the lightcurtain will disable the batch transfer.</p>	ADU Rod Line #4 Vibratory Bed	ISA-10 ADU Rods	Parker, James A

CCF Number	Title	Description	Justification	Location	ISA ID	Engineer
12414	Simplex System Severe Weather Messages	<p>With this CCF, we will have programmed into our Simplex Fire Alarm System two automated messages to be triggered by a user defined pushbutton. Both tones/ messages will sound throughout the facility, exterior buildings, and ECP. The tones and announcement have been approved by the Emergency Response Team.</p> <p>Pushbutton #1 will activate a "Severe Weather Alert" message/tone. The associated tone for this message is called the "1 KiloHertz Tone" provided by Simplex. This tone will sound in two 4sec intervals then followed by "A severe weather warning has been issued. Proceed to the nearest severe weather shelter and wait for further instructions." This combination of tone then message will repeat twice.</p> <p>Pushbutton #2 will activate a "Shelter In Place" message/tone. The associated tone for this message called the "120 Beats Per/Min Tone" provided by Simplex. This tone will sound for 10sec then followed by "Please proceed to the nearest shelter in place location and wait for further instructions." This combination of tone then message will repeat twice.</p> <p>We will need to add to the head end panel a: *New input card w/ pushbuttons (std 8 input card) *New memory card (32min capacity)</p> <p>No SSC's will be affected</p>	<p>*To improve our emergency response to Severe Weather.</p> <p>*Continuous improvement</p>	Simplex Fire Alarm System	Grounds	Parker, James A
12424	Modify the "E" Spill Control Structure Platform	<p>Modify the "E" Spill Control Structure Platform as described below:</p> <ol style="list-style-type: none"> 1)Remove the existing handrail on the top of the Control Structure Platform and replace with OSHA compliant handrail. 2)Remove existing lexan sheeting which is mounted to the inside of the handrail. 3)Install lexan sheeting to the handrail to prevent persons from contacting the razor wire. 4)Install a set of steps in lieu of the existing vertical ladder. 	As recommended on Storm Water Audit EHS- AUDIT-12-10.	Plant Grounds	Grounds	Page, Phillip B

CCF Number	Title	Description	Justification	Location	ISA ID	Engineer
12426	RAPTr: PLN1	<p>Install RAPTr (Replacement of Automated Pellet Transport) on pellet line 1.</p> <p>The upgrade will replace the existing conveyor components between the grinder and tray loader: exit vibratory track, surge conveyor, stoker and related components. A new polycord conveyor system will be installed identical to existing design on pellet line 3. PLC, HMI and electrical changes will be required for full functionality of the new system.</p> <p>The change does NOT affect any existing SSCs or introduce new SSCs.</p>	<p>1. The exit vibratory track is obsolete (H1). 2. The pellet stoker creates unnecessary scrap. 3. Maintenance costs on the surge conveyor are high, due to the stainless steel surge chain.</p>	PLN1 Grinding Area	ISA-08 Pelleting	Edwards, Logan W
12427	RAPTr: PLN2	<p>Install RAPTr (Replacement of Automated Pellet Transport) on pellet line 2.</p> <p>The upgrade will replace the existing conveyor components between the grinder and tray loader: exit vibratory track, surge conveyor, stoker and related components. A new polycord conveyor system will be installed identical to existing design on pellet line 3. PLC, HMI and electrical changes will be required for full functionality of the new system.</p> <p>The change does NOT affect any existing SSCs or introduce new SSCs.</p>	<p>1. The exit vibratory track is obsolete (H1). 2. The pellet stoker creates unnecessary scrap. 3. Maintenance costs on the surge conveyor are high, due to the stainless steel surge chain.</p>	PLN2 Grinding Area	ISA-09 UF6 Cylinder Wash	Edwards, Logan W
12428	RAPTr: PLN4	<p>Install RAPTr (Replacement of Automated Pellet Transport) on pellet line 4.</p> <p>The upgrade will replace the existing conveyor components between the grinder and tray loader: exit vibratory track, surge conveyor, stoker and related components. A new polycord conveyor system will be installed identical to existing design on pellet line 3. PLC, HMI and electrical changes will be required for full functionality of the new system.</p> <p>The change does NOT affect any existing SSCs or introduce new SSCs.</p>	<p>1. The exit vibratory track is obsolete (H1). 2. The pellet stoker creates unnecessary scrap. 3. Maintenance costs on the surge conveyor are high, due to the stainless steel surge chain.</p>	PLN4 Grinding Area	ISA-08 Pelleting	Edwards, Logan W

CCF Number	Title	Description	Justification	Location	ISA ID	Engineer
12429	RAPTr: PLN5	<p>Install RAPTr (Replacement of Automated Pellet Transport) on pellet line 5.</p> <p>The upgrade will replace the existing conveyor components between the grinder and tray loader: exit vibratory track, surge conveyor, stoker and related components. A new polycord conveyor system will be installed identical to existing design on pellet line 3. PLC, HMI and electrical changes will be required for full functionality of the new system.</p> <p>The change does NOT affect any existing SSCs or introduce new SSCs.</p>	<p>1. The exit vibratory track is obsolete (H1).</p> <p>2. The pellet stoker creates unnecessary scrap.</p> <p>3. Maintenance costs on the surge conveyor are high, due to the stainless steel surge chain.</p>	PLN5 Grinding Area	ISA-08 Pelleting	Edwards, Logan W
12432	IFBA Chem Lab Potable Water Tie-In	<p>Connect the existing piping in the Janitor's closet, Rest Rooms and East Wall hose bibbs into the new SS 2 inch water header. Installation package is attached to the CCF.</p>	Existing line is corroded and partially plugged.	IFBA area	ISA-14 IFBA Processing	Walker, Barney W
12449	Correct Natural Gas Pressure Transmitter and Remove obsolete combustion pressure controls	<p>Remove calciner combustion chamber pressure controls L, M, & N.</p> <p>Re-range pressure indicator for natural gas.</p>	<p>Combustion pressure controls are no longer needed.</p> <p>Pressure indicator for Natural Gas is out of range. The current range is 0-6 psig and the operating pressure is 6.5 psig. The new range will be 0-10 psig.</p>	Conversion	ISA-03 ADU Conversion	Batten, Alan C
12451	Design, Construct and Install Structural Steel Platform for New Warm Caustic Waterglass Cake Dissolution Process Equipment	<p>This CCF is for the design, construction and installation of the structural steel platform that will support the favorable geometry vessels and piping associated with the Warm Caustic Waterglass Cake Dissolution Process. The process design and installation is covered under CCF # 10024.</p>	The structural steel platform is required to support the favorable geometry vessels and piping associated with the Warm Caustic Waterglass Cake Dissolution Process.	Inside the Waterglass Building	ISA-15 URRS Wastewater Treatment System	Shuler, Robert G
12475	CCSU - Upgrade Line 4 BPCS - Phase 1	<p>This is phase 1 of a multiphase project to relocate input and output devices from the existing TDC2000 and Numalogic Line PLC to the Honeywell C200 Controllers.</p> <p>Revision: The PLC code modification document contained a typographical error. This has been corrected and the ITR reissued as revision 1. A change was also required on drawing 337F11EL01-14 to allow the Estop circuit to function.</p>	<p>The existing TDC2000 and Numalogic are obsolete and must be replaced to maintain the ability to produce powder in the conversion area. The non-safety Numalogic Line PLC functions will be migrated to the Honeywell C200 so that all process control is being done from one system.</p> <p>This is similar to ccf 11-026.</p>	ADU Line 4	ISA-03 ADU Conversion	Batten, Alan C

CCF Number	Title	Description	Justification	Location	ISA ID	Engineer
12476	CCSU - Upgrade Line 4 BPCS - Phase 2	This is phase 2 of a multiphase project to relocate input and output devices from the existing TDC2000 and Numalogic Line PLC to the Honeywell C200 Controllers.	The existing TDC2000 and Numalogic are obsolete and must be replaced to maintain the ability to produce powder in the conversion area. The non-safety Numalogic Line PLC functions will be migrated to the Honeywell C200 so that all process control is being done from one system.	ADU Line 4	ISA-03 ADU Conversion	Batten, Alan C
			This is similar to ccf 11-026.			
12479	CCSU - Upgrade Line 4 - Mechanical Changes	<p>Install a vortex flow element and transmitter to be used in SSC's instead of the current diaphragm type flow element and transmitter FT-409B. This transmitter will be activated when installed. SSC ADUSCR-903 will be affected. The new Vortex meter requires a change to the scaling in the PLC. ITR PSEDoc0001143 has been performed to address this change.</p> <p>The following items are being installed and will be activated by a future CCF.</p> <p>Install a new vortex flow meter FTS-409-1 after the 3 way valve on the steam line going into the calciner.</p> <p>Install a new safety pressure transmitter to be used in SSC's instead of the BPCS pressure transmitter PT-S-409D.</p> <p>Install a new blocking valve to be used in SSC's instead of the BPCS flow control valve FCV-409A.</p> <p>Install a new blocking valve to be used in SSC's instead of the BPCS flow control valve FCV-409B.</p> <p>Change is similar to CCF 10-628 and 11-307.</p>	This change will increase reliability of the existing safety interlocks and allow separation of the BPCS and Safety System.	ADU Line 4 at calciner	ISA-03 ADU Conversion	Walker, Barney W
12480	substitute flow switches on Thermal Stability Furnaces	Replace the existing Efeclor flow switches on Thermal Stability System B with McDonnell & Miller FSS-3T3 flow switches.	CAPS issue # 12-047-C007. The flow switches on system B will be replaced by the type that are used on system A.	Thermal Stability System "B"	ISA-08 Pelletizing	Page, Scott C

CCF Number	Title	Description	Justification	Location	ISA ID	Engineer
12496	Furnace 1B Mechanical Drum Replacement and Migration of SSC's from PLC to Hardwired	With this CCF, we will replace the current mechanical drum controller. In its place we will install a PLC. We will migrate the Above Low N2 Press, Main N2 Press, and Zone 2 Low Temp Interlocks from the GE PLC and wire these SSCs through a Safety Relay. The SSID's are PELSINT-904 (zone 2 low temp), PELSINT-903 (low pressure in main nitrogen supply line), and PELSINT-905 (Individual furnace N2 supply loss interlock).	Store Room part #105044 (Sequence Drum) is used on the sintering furnaces and is now obsolete with no offered replacement. The Electricians have recently repaired a drum controller with the last of the known spare parts.	ADU Sintering Furnace Entrance End	ISA-08 Pelleting	Parker, James A
12502	Replace the existing 20 plus year old roof access hatch in Equipment Room #3.	The existing roof access hatch in Equipment Room #3 is 20 plus years old. It will be replaced with an ELMDOR 30 x 54 access hatch, equipped with a handsfree power hatch lift and OSHA compliant handrail system. See attached pdf files for more details.	The existing access door suffers from 20 plus years of service. The hinges are worn and the closing actuator has failed. Parts are not readily available.	Equipment Room #3	Grounds	Page, Phillip B
12509	West 1 Lagoon Buried Discharge Line Isolation	Install blind flanges and pipe caps on the West 1 Lagoon discharge piping to isolate the buried line going to the North & South Lagoons and the West 2 Lagoon.	Lines are obsolete and no longer being used.	URRS - West 1 Lagoon	ISA-15 URRS Wastewater Treatment System	Trayers, Michael E
12527	Non-Fuel Area Simplex (Fire Alarm) Speaker Installation	With this CCF: We will be installing a Simplex (Fire Alarm) speaker in the Non-fuel Area. Initially the speaker will be set to 7.5W however the final tap setting will be finalized during the system verification. We will also changing the tap setting to speaker 158 in the Mass Spec room of the Chem Lab. The final speaker tap setting will be finalized during the system verification.	It has been observed in these areas that announcements from emergency personnel cannot be heard/ understood during weekly drills. This installation and speaker volume adjustment will give occupants the ability to hear important announcements from emergency personnel during the event of an emergency/drill.	Non-fuel Area	Grounds	Parker, James A
12529	Install Material Handling System in the Tool Room	Install a Material Handling System (MHS) which will stage, present, support, remove, off-load and hold chrome-plated RCCA tubes for machining in the Hardinge GT-27 Lathe. The MHS equipment number is MH-3802. The Material Handling System was procured under PSEDoc-0000772, Rev. 0 and PO # 4500452878. Reference CCF # 13020 which modified the equipment arrangement drawing 500F04AR07 Sheet 4.	The Material Handling System (MHS) will be automatic, decrease the requirements on the ToolMakers and produce a consistent quality product.	Tool Room	Grounds	McInnis, Steve H
12538	IFBA Mop Water System Pump Inlet Piping Modifications	Install new piping from the V-7092, X-7092 and V-7093 vessels to the P-7092 mop water pump.	Prepare for the installation of the new P-7092 mop water pump and associated controls upgrades under CCF 11388.	IFBA - FA3 Scrap Recovery, Mop Water System	ISA-14 IFBA Processing	Trayers, Michael E

CCF Number	Title	Description	Justification	Location	ISA ID	Engineer
12539	IFBA Mop Water System Pump Discharge Piping Modifications	Install new piping from the P-7092 mop water pump to the FL-7092 filter press. Inlet piping to the P-7092 modified under CCF 12538.	Prepare for the installation of the new P-7092 mop water pump and associated controls upgrades under CCF 11388.	IFBA - FA3 Scrap Recovery, Mop Water System	ISA-14 IFBA Processing	Trayers, Michael E
12541	Laminar Flow Hood Light Replacement	With this CCF, we will replace all the Laminar Flow Hood T12 fluorescent light bulbs when needed with T5's. Laminar Flow Hoods are used throughout the Chemical area. This includes replacing the ballast. No drawings changes necessary.	T12 fluorescent bulbs are being phased out. T5 bulbs are the new plant standard. T5 fluorescent bulbs are energy efficient.	Laminar Flow Hoods (Down Flows)in IFBA, ERBIA, Pelleting	Miscellaneous	Parker, James A
12543	Design and Fabricate Gamma Monitor Equipment and Equipment Stands for the Warm Caustic Waterglass Cake Dissolution Process	This CCF is for the mechanical design and fabrication of the Gamma Monitor equipment and equipment stands for the Warm Caustic Waterglass Cake Dissolution Process. The installation and startup of this equipment will be done under a separate CCF.	This equipment is required for the Warm Caustic Waterglass Cake Dissolution Process.	Inside the Waterglass Building	ISA-15 URRS Wastewater Treatment System	Shuler, Robert G
12546	Line 1 rod flipper for walking beam	Creating drawings for the current rod flipper but replacing carbon steel with stainless steel.	The current rod flipper that lifts rods from the exit of the plugger to the walking beam for the welders is made from carbon steel and is painted. While the painted surfaces do not actually touch the rod it does create potential for foreign material in the area.	ADU Rod Line 1	ISA-10 ADU Rods	Davis, Alicia D
12549	Relocation of T-1163 and T-1161 Temperature Controls	Relocate T-1161 and T-1163 Tank Temperature Controls from TDC2000 to Experion C200	TDC2000 equipment is obsolete and also provide better monitoring and control from new Experion C200 system	Outside URRS - WaterGlass	ISA-15 URRS Wastewater Treatment System	Barber, Kevin E
12556	L7 (IFBA) Girth Weld Pop-up Rollers	Replace the existing fixed longitudinal rollers with pop-up rollers (with swappable longitudinal and rotational rollers) similar to ones previously installed on the L5 and L7 repair lathes.	Current fixed rollers are marking the tubes to a point where they are causing excessive rework.	CFFF, IFBA Rod Fabrication Line, Girth Weld Position	ISA-14 IFBA Processing	Strimple, David C
12557	CCSU - Upgrade Line 3 BPCS - Phase 1	This is phase 1 of a multiphase project to relocate input and output devices from the existing TDC2000 and GE Line PLC to the Honeywell C200 Controllers. Revision: Revised ITR to review correction to PLC trip setting for FT-309B . Changed FT-305A from loop power to internally sourced. Corrected drafting error on 336F01EL26. Corrected wire numbers on 336F01EL26. Changed relay power panel feed from Breaker 1 to Breaker 9 of RP-300.	The existing TDC2000 is obsolete and must be replaced to maintain the ability to produce powder in the conversion area. The non-safety GE Line PLC functions will be migrated to the Honeywell C200 so that all process control is being done from one system. This is similar to ccf 11-026.	ADU Line 3	ISA-03 ADU Conversion	Batten, Alan C

CCF Number	Title	Description	Justification	Location	ISA ID	Engineer
12558	CCSU - Upgrade Line 3 BPCS - Phase 2	This is phase 2 of a multiphase project to relocate input and output devices from the existing TDC2000 and GE Line PLC to the Honeywell C200 Controllers.	The existing TDC2000 is obsolete and the GE PLC is 17 years old. They must be replaced to maintain the ability to produce powder in the conversion area. The non-safety Numalogic Line PLC functions will be migrated to the Honeywell C200 so that all process control is being done from one system. This is similar to ccf 11-026.	ADU Line 3	ISA-03 ADU Conversion	Batten, Alan C
12565	Smoke Check Closer Installation for Fire Rated Doors	With this CCF, we will be installing Smoke Check closers with built in ION Detectors (smoke detectors). The smoke check closers will hold open fire rated doors and release on detection of fire/smoke and loss of power. Doors to receive this device are: *3 pair of doors behind Cafeteria *1 pair just outside 301/302 Break Room *2 pair just pass 2nd floor Mens Change Room A PM will be generated to have these door closers checked for functionality. No SSC's will be affected.	Safety and Continuous improvement.	Fire Rated Doors in main hallways	Grounds	Parker, James A
12568	tack cloth holder line 3	install a stainless steel wire hook inside the polypak enclosure at line 3 mill to provide a place to keep a tack cloth. The hook is made for a peg board, so 2 holes will have to be drilled into the enclosure to support the hook. Each hole is approx 1/8" diameter. The hook will extend approx 5 1/4" from the edge of the enclosure. refer to CCF 12095 for line 1	Providing a tack cloth storage location inside the mill can help contain contamination inside the ventilated enclosure.	line 3 mill enclosure	ISA-03 ADU Conversion	Dudas, Lisa M
12569	tack cloth holder line 4	install a stainless steel wire hook inside the polypak enclosure at line 4 mill to provide a place to keep a tack cloth. The hook is made for a peg board, so 2 holes will have to be drilled into the enclosure to support the hook. Each hole is approx 1/8" diameter. The hook will extend approx 5 1/4" from the edge of the enclosure. refer to CCF 12095 for line 1	Providing a tack cloth storage location inside the mill can help contain contamination inside the ventilated enclosure.	line 4 mill enclosure	ISA-03 ADU Conversion	Dudas, Lisa M

CCF Number	Title	Description	Justification	Location	ISA ID	Engineer
12570	tack cloth holder line 5	install a stainless steel wire hook inside the polypak enclosure at line 5 mill to provide a place to keep a tack cloth. The hook is made for a peg board, so 2 holes will have to be drilled into the enclosure to support the hook. Each hole is approx 1/8" diameter. The hook will extend approx 5 1/4" from the edge of the enclosure. refer to CCF 12095 for line 1	Providing a tack cloth storage location inside the mill can help contain contamination inside the ventilated enclosure.	line 5 mill enclosure	ISA-03 ADU Conversion	Dudas, Lisa M
12581	Installation of Electrical and Instrumentation Equipment for the Warm Caustic process	This project will provide new Electrical and Instrumentation for the Warm Caustic Waterglass Cake Dissolution process.	Electrical and Instrumentation is needed to start the Warm Caustic Waterglass Cake Dissolution process to dissolve the waterglas cake and recover Uranium.	Waterglass building	ISA-15 URRS Wastewater Treatment System	Lowe, Vernon E
12585	Demo "Out of Service" Pilot Ion Exchange Unit South of Waterglass Building	This CCF is for the mechanical and electrical demolition of the "Out of Service" pilot ion exchange unit located outside and south of the Waterglass Building.	The pilot ion exchange unit has been "Out of Service" for several years and there are no immediate plans to perform any additional tests with this unit.	Outside and South of the Waterglass Building	ISA-15 URRS Wastewater Treatment System	Shuler, Robert G
12586	Oxide Coater #1 Electrical Upgrade Pre-Work	The scope of this job is to install various conduit runs and HMI stands on Oxide Coater #1 during a short downtime window, 3 days. This scope is Pre-Work which consists of installing these items to existing equipment in advance of another downtime window. These items will be mounted to existing equipment. None of the items will be terminated to electrical or pneumatic power sources at this time. The field location of the items will be determined by the project engineer and peer checked by the area engineer to ensure they do not interfere with the operation of the existing equipment. These items consist of the following: - Install two HMI stands - Various conduit runs for Power and Ethernet cables to Turck Blocks, SMC manifolds, Allen Bradley FLEX I/O cabinets, E-Stop switches and various electrical boxes, as time permits. After the work is completed, this CCF will be approved for start-up and closed. The next scope of work will be done under a new CCF during the next downtime window.	This is an approved capital project (AR TI-12502) to replace the Oxide Coater #1 control system. Due to high production demands, the full scope of the job cannot be done during one long extended downtime window. This work will be done in phases in multiple short downtime windows via the TA-500 CCF process for each scope of work.	Tube Prep Oxide Coater #1	Components	Stefan, Nick
12588	Relocation of Existing WaterGlass Remote Rack	Relocate control of WaterGlass Remote Rack (located behind F-1168 filter press) to WaterGlass C200 rather than the Misc C200	Since installation of WaterGlass C200 controller it is appropriate to re-assign the control for this remote I/O from the Misc C200 controller.	Outside WaterGlass	URRS - ISA-15 URRS Wastewater Treatment System	Lowe, Vernon E

CCF Number	Title	Description	Justification	Location	ISA ID	Engineer
12592	Plating Room Main 480V Disconnect	Install a main 480V disconnect on the power feed to the plating room with remote activation buttons to isolate the room in an emergency if required.	Safety improvement for the plating room operations in the event of an emergency requiring isolation of all 480V power to the room.	Grids - Plating Room	Components	Trayers, Michael E
12594	D&V computer upgrade	Remove computer box monitor and replace with a flat panel monitor and a pole. The pole will be mounted to the floor to the left of the D&V table in such a position to swing the monitor and keyboard out of the way of the scale when not in use. The printer and scan gun will also be attached to the computer pole.	The current box for the computer system is bulky and in the way. Changing to the pole mount will allow operations to move the monitor out of the flow of traffic to better organize the area.	At the QC D&V hood near the IFBA chem lab	ISA-14 IFBA Processing	Craig, Brian M
12598	Migrate Line 1 Vaporizer controls from GE PLC to SPLC	Migrate Safety Significant Controls for the vaporizer currently in GE Line PLC to Siemens Safety PLC Revision: Added range and trip point settings for PIT-S-102-1 and CIT-S-101-1	Increase reliability of Safety Significant Controls.	Line 1 Vaporizer area	ISA-03 ADU Conversion	Batten, Alan C
12610	Temporary Installation/Removal of Plastic Sheet Over Soft Handling Line	Install fire retardant plastic sheeting over Soft Handling Rod line to prevent foreign material, while contractors installing insulation above area.	Prevent FM. Required by CSE-99-G	Soft Rod Handling	ISA-10 ADU Rods	Wright, Kendrick
12613	Implement Gamma Monitors for the Waterglass Cake Dissolution	Install SSC safety valves XV-S-1170A and XV-S-1170B in conjunction recirculation valve XV-1170C. The Gamma monitors RIT-S-1170A and RIT-S-1170B will trip safety valves at levels below the CSE-15-D limit of 1250 PPM U-235. These valves will prevent flow to the V-1170A and V-1170B vessels. Flow will be redirected to the supply tank V-1168 via XV-1170C for further processing. Three urani-nitrate calibration standards shall be required to calibrate the gamma monitors. A 500 milligrams per liter U-235 at 4.5 enrichment solution and an 1000 milligrams per liter U-235 at 4.5 enrichment solution shall be for calibration. An 80 milligrams per liter U-235 at 4.5 enrichment solution will be the trip standard. The gamma monitor will be set to trip at >800 ppm-U.	Gamma monitors and SSC valves are required to prevent levels greater than 1250 ppm from entering the V-1170A or V-1170B.	Water Glass Building	ISA-15 URRS Wastewater Treatment System	Lowe, Vernon E
12623	Freon Detector Replacement in IFBA Equip. Room	Replace the obsolete Freon Detector in the IFBA Equip. Room	Existing unit is obsolete	Equipment room on the 3rd floor in IFBA	ISA-14 IFBA Processing	Page, Scott C
12625	New DataCenter UPS	Power pulls from new UPS#4 unit to various racks within the Datacenter. There is a lack of power within the datacenter causing a shortage of redundant power to some racks or no power at all to other racks.	The Columbia Site requires redundant UPS power to Network and Server hardware for minimal downtime. This new UPS will allow for enough power to power Columbia Infrastructure.	Data Center	Grounds	McCall, Frank H

CCF Number	Title	Description	Justification	Location	ISA ID	Engineer
12629	Upgraded Pellet Tray Transfer Carts	A redesign of the current pellet tray transfer carts to maintain the same storage ability and footprint, but mitigate handling, maintenance, and foreign material concerns.	The 250 current pellet carts in use in the pelleting area are a mix of three design iterations. All designs are difficult for operators to maneuver due to their weight (up to 600lb), height (6"), and awkward handle positioning. Nearly all of the carts are also covered in multiple coats of paint that tends to flake off with any contact. Operator injuries and FM excursions have already been attributed to the design of the pellet carts. Growth in production and changes in standards will require operators to move the carts more frequently, raising their risk of injury and raising the risk of foreign material in the area.	Pellet Area	ISA-08 Pelleting	Amormino, Sean T
12631	Camera Mount installation	Install a camera mount inside of the plugger/spring inserter station of the dry box. Four holes will be drilled in the bottom of the box to facilitate mounting the bracket to the box. Refer to drawing 806F05TL04 for information concerning the camera mount.	The camera mount is required for future installation of a new bar code camera within the dry box.	Rod line 7 dry box plugger/spring inserter	ISA-14 IFBA Processing	Craig, Brian M

CCF Number	Title	Description	Justification	Location	ISA ID	Engineer
12632	Stacking Station Modification	Extend Offline Press Hoist Beam and remove Stacking Station Bay nearest press.	<p>Improve safety. Currently, the top end of the press has to be pulled over to the side by hand for removal/installation. The new layout will alleviate the need to attach ropes/slings and pull the top end of the press over while raising/lowering i.e. the top end can be lifted vertically and moved horizontally without the need for pulling to the side. Straining and limb exposure to manipulate the heavy load will no longer be required.</p> <p>The new layout will also decrease the risk of damage to the press as the top end can be raised, lowered and positioned directly without the need to pull over to the side. Due to the weight of the top end, controlling the position/orientation when raising/lowering is difficult; unwanted contact with other parts of the press can occur. Being able to lift directly and move horizontally will alleviate this issue.</p>	Chemical Area Tool Shop \ Offline Press Rebuild Area	Grounds	Vining, George E Jr
12634	Support conveyor For Rod Trays	On ADU Rod, line 3 rod tray conveyors are spaced too far apart causing tray to sag. Adding another support would eliminate rod trays from sagging in the middle toward bottom end.	Justification for this job is to eliminated fuel rods from getting caught on tray supports when rods are being moved in and out of girth and seal welders.	Adu Rod line three transport system	ISA-10 ADU Rods	Simons, Erby R
12635	Disconnect Nitrogen Purge from Hydrogen System	A nitrogen purge line is connected to the main hydrogen line with a single isolation valve. Disconnect line and install caps over open pipes. Modify drawings so line can be reconnected in the future if purging is required.	Opening a single isolation valve could cause cross contamination of the nitrogen and hydrogen systems.	URRS - Tank Farm, Hydrogen and Nitrogen Bulk Storage	ISA-06 Chemicals Receipt, Handling and Storage	Trayers, Michael E
12636	Support conveyor For Rod Trays	On ADU Rodline 4 the rod tray conveyors are spaced too far apart causing rod trays to sag. Adding another conveyor would eliminate rod trays from sagging in middle toward bottom end.	Justification for this job is to eliminate fuel rods from getting caught on tray supports due to not being supported fully when rods are being moved in and out of girth and seal welder.	Adu Rodline 4	ISA-10 ADU Rods	Simons, Erby R
12639	Add Lockable Disconnects for Servo Motors on Oxide Ctr 2	Add Lockable disconnects for the Servo Motors on Oxide Coater 2.	This change will allow us create LOTO procedures for sections of the Oxide Coater. Currently we have to take down the whole system to deenergize a motor.	Oxide Coater 2 on the Mechanical side	Components	Page, Scott C

CCF Number	Title	Description	Justification	Location	ISA ID	Engineer
12640	5B Boat Inverter Sensor Removal	Remove the photoeye sensor from the boat inverter system on 5B sintering furnace.	The sensor is not used. SSCs not affected.	5B Sintering Furnace Boat Inverter	ISA-08 Pelleting	Edwards, Logan W
12641	Back flow preventer supplying the garden fountain and irrigation system	Remove the existing underground back flow preventer which supplies the garden fountain and garden irrigation system. Install an above ground reduced pressure back flow assembly upstream of the garden fountain and garden irrigation system.	The existing backflow preventer has exceeded it reliable service life. Also, the backflow is installed underground in a vault that drains poorly. The new above ground installation will facilitate annual recertification.	Grounds	Grounds	Page, Phillip B
12642	Relocate 24" diameter scrap Moly drum	Remove the bolts from the floor and move the moly drum approximately 5 feet west to the other side of the torit system. Also, move the pipe support stand in the same manner as the drum to support the instrument air line in the area. Remove abandoned in place electrical conduit and vacuum lines.	Current IFBA process transports fuel rods through that area of the plant. The location of the Moly drum make the cart movement very tight and poses risk of operator injury. Moving the pipe support also allows more movement room. Removing the abandoned in place piping will clean the area up for future use.	Near torit system DC-1909	ISA-08 Pelleting	Craig, Brian M
12644	Add Recepticle for Sleeve Crimper in FA	Add Recepticle for Sleeve Crimper in Final Assembly.	Currently there is a drop cord on the floor which is a tripping hazard.	Crimping Fixture near BWR in Final Assy.	ISA-17 Final Assembly	Page, Scott C
12646	Design, Construct and Install Vessels and Equipment for the Warm Caustic Waterglass Cake Dissolution System in the Waterglass Building	Design, construct and install vessels and equipment (pumps, heaters, etc.) for the Warm Caustic Waterglass Cake Dissolution System in the Waterglass Building. This CCF will also cover the installation of the Gamma Monitor equipment and stands designed and built under CCF # 12543. This CCF is for mechanical installation only. The vessel and equipment designs are based on the new SSC's defined in the CSE for Warm Caustic Waterglass Cake Dissolution System, CSE-15-D, Rev 0, attached to this CCF.	Part of the new Warm Caustic Waterglass Cake Dissolution System that will be installed inside the Waterglass Building.	Inside Waterglass Building	ISA-15 URRS Wastewater Treatment System	Shuler, Robert G
12647	Waterglass Polypak Storage Rack	This CCF will design, build and install an 18 unit polypak storage rack in the Waterglass Building. The storage rack will be used to store the wet filter cake from the F-1168 rotary filter that is generated as part of the Warm Caustic Waterglass Cake Dissolution Process.	The new Warm Caustic Waterglass Cake Dissolution Process requires the use of polypaks in the Waterglass Building.	Inside the Waterglass Building	ISA-15 URRS Wastewater Treatment System	Shuler, Robert G
12649	Modify Weight on transfer switch on line 4	Add a 1/4"-20 UNC tap into the existing counterweight and a note stating to add weight as needed for proper switch operation.	Switch currently does not always return to the up position impeding the operator from transferring rods when the table is actually clear.	ADu rod Line 4	ISA-10 ADU Rods	Davis, Alicia D

CCF Number	Title	Description	Justification	Location	ISA ID	Engineer
12650	CCSU - Upgrade Line 3 - Mechanical Changes	<p>Install a new safety vortex flow element and transmitter to be used in SSC's instead of the BPCS flow element and transmitter FT-309B. This transmitter will be activated when installed.</p> <p>SSC ADUSCR-903 will be affected.</p> <p>The following items are being installed and will be activated by a future CCF.</p> <p>Replace existing flow element and transmitter with a vortex flow meter to be used for BPCS (FT-309B).</p> <p>Install a new safety pressure transmitter to be used in SSC's instead of the BPCS pressure transmitter PT-S-309D.</p> <p>Install a new blocking valve to be used in SSC's instead of the BPCS flow control Valve FCV-309A.</p> <p>See CCF 10-628 and 11-307.</p>	This change will increase reliability of the existing safety interlocks and allow separation of the BPCS and Safety System.	ADU Line 3 Calcliner	ISA-03 ADU Conversion	Walker, Barney W
12651	Hot Oil System Fill and Drain Site Preparation	Prepare a site outside the UF6 Bay to install equipment for the Hot Oil System. This CCF will include demolishing the old loading dock, performing the site preparation, pouring concrete, constructing a containment dike and constructing the roof for new hot oil system equipment. The equipment will be installed with another CCF.	This area will be used for the new hot oil fill system, drain system and pressure relief catch system.	Outside UF6 Bay	ISA-03 ADU Conversion	Owens, Michael D

CCF Number	Title	Description	Justification	Location	ISA ID	Engineer
12653	Hot Oil System #3 & #4 pressure relief piping, vent piping and catch tank installation.	<p>Install a catch tank outside the UF6 bay and route all the hot oil system vents and pressure relief pipes to the catch tank. This CCF was originally used to also install the hot oil system expansion tanks, fill system, drain system and filter systems. Due to equipment possibly being started at different times the filters are now being installed with CCF 13210 & CCF 13397, the expansion tanks are being installed with CCF 13398 & CCF 12654 and the fill and drain system is being installed with CCF 13211. The electrical and controls are also being installed with separate CCFs.</p> <p>This CCF had to be demoted and rerouted to reflect the following design/drawing changes:</p> <p>1.347F04PI02, sheet 01 now shows pipe 371 connecting on top of the mezzanine. It also reflects existing valve 369-2.</p> <p>2.347F04PI02, sheet 02 now shows pipe 471 connecting in the hot oil room. It also reflects existing valve 469-2.</p> <p>3.347F04PI02, sheet 03 now shows the existing expansion tank remaining in place and the vent lines being capped off.</p>	The hot oil systems pressure relief valves are routed to the expansion tank relieving pressure back into the system. This CCF will route the piping to a catch tank located outside. The vent valves currently are open inside the building. This CCF will route the vents to the outside catch tank.	Hot oil room, Conversion Area, UF6 bay and loading dock	ISA-03 ADU Conversion	Owens, Michael D
12655	AC 8 Chill Water Control Valve	Tie-in freeze stats to chill water valve to force valve to full open flow position when temperature decrease below 35 degrees.	AC8 chill water coil has burst a couple times over the past 8 years due to freezing. Connecting valve to the freeze stat will provide extra protection to coil by allowing the water to flow freely, preventing the water to freeze. Freeze stat will also shut down the unit at 35 degrees.	AC 8	Grounds	Wright, Kendrick
12658	Modify Weight on transfer switch on line 3	Add a 1/4"-20 UNC tap into the existing counterweight and a note stating to add weight as needed for proper switch operation.	Switch may not always return to the up position impeding the operator from transferring rods when the table is actually clear.	ADU rod line 3	ISA-10 ADU Rods	Davis, Alicia D
12659	Modify Weight on transfer switch on line 2	Add a 1/4"-20 UNC tap into the existing counterweight and a note stating to add weight as needed for proper switch operation.	Switch may not always return to the up position impeding the operator from transferring rods when the table is actually clear.	ADU Rod Line 2	ISA-10 ADU Rods	Davis, Alicia D
12660	Modify Weight on transfer switch on line 1	Add a 1/4"-20 UNC tap into the existing counterweight and a note stating to add weight as needed for proper switch operation.	Switch may not always return to the up position impeding the operator from transferring rods when the table is actually clear.	ADU Rod Line 1	ISA-10 ADU Rods	Davis, Alicia D

CCF Number	Title	Description	Justification	Location	ISA ID	Engineer
12661	Dedicated Circuit for Corner Grinder on Inconel Line	With this CCF we will add a dedicated circuit for the Corner Grinder on the Inconel line.	Over time, much has been added to the circuit in terms of equipment, lights, etc. This increase in load causes the breaker to trip when the corner grinder is started.	Grid area Inconel Line	Components	Parker, James A
12666	Plating Room Trench Level Detection System	Install a level detection system for the plating room trench to notify operators when the level attains a predetermined point indicating the need to pump out the trench. Add a second higher level that will set off an audible alarm and beacon outside the plating room to notify plant personnel of the trench being near full and at risk of overflowing.	There is not a level sensing system nor alarms to notify operators or personnel of the risk of the plating room trench overflowing.	Grids - Plating Room	Components	Trayers, Michael E
12668	Installation of Maintenance Storage Area	Install 8' high black wired fencing in the area behind Maintenance Restroom and across from Allegiance area per attached drawing. Install ladder racks along the aisle way next to Tool Shop stock fence. Demo old Maintenance/Planning storage room next to stairs going up to planners office,gym etc.	Current storage space will be taken by operation to store tube carts. Maintenance and planners need storage area for equipment, parts, tools, etc for projects.	Machine Shop	Grounds	Wright, Kendrick
12670	Installation of BackBone Power Supply System in Ammonia Stills Control Room	Install a new redundant 24VDC power supply system for the purpose of supplying power to the new and existing Honeywell C200 controllers and associated 24 VDC devices in the Ammonia Stills Control Room	Need for clean and redundant 24VDC power to maintain control of Stills controls and Miscellaneous Tank Farm Controls in Outside URRS.	Outside URRS (Stills Control Room)	ISA-06 Chemicals Receipt, Handling and Storage	Barber, Kevin E
12671	Installation of C200 Controls for Future Use With Still 1	Installation of backplate with Honeywell C200 controls to support the future cutover of Still 1 TDC signals to the new Honeywell System	Old TDC components are obsolete and Still 1 I/O is mixed between various TDC boxes.	Outside URRS (Stills Control Room)	ISA-06 Chemicals Receipt, Handling and Storage	Barber, Kevin E
12672	Installation of C200 Controls for Future Use With Still 2	Installation of backplate with Honeywell C200 controls to support the future cutover of Still 2 TDC signals to the new Honeywell System	Old TDC components are obsolete and Still 2 I/O is mixed between various TDC boxes	Outside URRS (Stills Control Room)	ISA-06 Chemicals Receipt, Handling and Storage	Barber, Kevin E
12675	WABA #2 (Line 9) Wash Table	Install a shelf to the wash table on WABA Line 9 to que WABA #1 bottom assemblies for loading into WABA Rod Assemblies.	The current table only has one spot to que both outer rods and WABA #1 bottom assemblies. The two rods need to be seperated because the end plugs on the WABA #1 bottom assemblies can nick the heat shrink sleeves and labels on the outer rods when they are being loaded. This shelf will allow two different ques for outer rods and WABA #1 bottom assemblies to aid production.	WABA Line 9 wash table	Components	Winegardner, Julia S
12676	Non Fuel Eye Wash Station	Remove the Acetone Tank and add an Aquarion self contained eyewash station, Model Z358.1-2009, in the attached location in Non Fuel.	We will be removing an unneeded acetone tank and adding an eye wash station in that location.	Beside the WABA room at the cleaning station.	Components	Winegardner, Julia S

CCF Number	Title	Description	Justification	Location	ISA ID	Engineer
12677	Modify heater frame on doghouse heaters	<p>Internal chamber heaters have been added to the IFBA Caoters. The heater elements that are mounted to the sides of the upper cathode support (doghouse) come in close proximity to cathodes 4 and 6, so close that it is difficult to get a lift strap between the cathode and the heater frame to remove one of those cathodes for service.</p> <p>Remove a small section of the heater frame (8" x 0.75") near the center top frame. This would have no effect on the heater and allow space for the lift strap.</p>	Safety - allow enough space to place the lifting strap around cathode 4 or 6 and not have interference woth the heater frame.	IFBA/FA1	ISA-14 IFBA Processing	Young, Roy D
12678	Davit crane for Technician Shop	With this CCF, we will install a Davit crane in the Chemical Side Inst. Technician Shop. This will aid in the valve rebuild process.	Valves being rebuilt are heavy and pose a safty hazard. This install is also part of a continuous improvement project/ Kizen Event.	Chemical Side Inst. Shop	Grounds	Stafford, Kris
12680	CAS LOOPS 4 and 6 horn replacement	<p>On the criticality alarm system, (CAS) replace the 24vac operated horns with 120vac horns. We will also be adding a second horn in the Chem. Lab for better coverage.</p> <p>The area of the plant that is serviced by these loops are the Cafeteria and the Chem. Lab.</p>	<p>The CAS has areas in the plant that cannot hear the horns; this project is a continuation of our efforts to address this issue.</p> <p>The current horns use 24 vac. With the long distances that many of these horns are from the front desk, there is a significant voltage drop to the affect that the outlying horns do not operate at their peak sound levels. By increasing the voltage, the voltage drop will not be as much of a factor.</p> <p>In addition; the 120vac rated horns use 1/3 of the amperage than the current 24vac horns. This will allow us to easily add additional horns on the existing loops.</p> <p>This phase is a continuation of the replacement of horns we performed on CAS Loop 5 under CCF 12628.</p>	Cafeteria and Chem. Lab	Grounds	Gantt, Stephen G
12681	Install DP Bubbler Pressure Transmitter on Cylinder Rinse Water Column	Install DP Bubbler Pressure Transmitter on Cylinder Rinse Water Column B-07B	The current DP diaphragm pressure transmitter builds with solids which contain a HF chemical hazard. Oerations has to clean out B-07B annually for calibration. The new transmitter will plug less frequently and can be calibrated without a breech of containment.	Cylinder Wash	ISA-09 UF6 Cylinder Wash	Eddy, Margaret R

CCF Number	Title	Description	Justification	Location	ISA ID	Engineer
12682	Replace Kynar Pipe	The Kynar piping on the V-506 "U" loop leaks frequently. This CCF will replace the kynar piping with lined piping. This should reduce the likelihood of leaks at this location.	Fix leaking UNH.	V-506	ISA-03 ADU Conversion	Hudson, Christopher W
12683	PLN3 RAPTr Modifications	Modify the new RAPTr (Replacement of Automated Pellet Transfer) system on PLN3. The design changes include, but not limited to: tracks, covers, guides, mounting components, ancillary parts and the vacuum system on the conveyor. The changes do not affect any SSCs.	The conveyor has been in operation for about 1 month and data has been collected to address operational issues. The extent of changes are documented on DWG 361F08EQ34.	Pellet Line 3 Grinding Area	ISA-08 Pelleting	Edwards, Logan W
12684	CAS Horns Electrical Circuits	Provide (3) 120vac UPS powered electrical circuits to the Criticality Alarm System (CAS) horn circuits.	In our effort to improve the audibility of the CAS system in the Plant and on Plant grounds, we will be adding additional horns. The addition of these horns will require more electrical current than what is now provided to the system. These UPS circuits will be tied into the CAS horn loops under future CCFs.	Plant wide	Grounds	Gantt, Stephen G
12685	Add barcode labels to line 7 cassette	Add two (2) heat resistant bar code labels to the long horizontal bar of the cassettes as an option for labeling. Bar code labels are ceramic on a stainless steel plate. Labels should be considered optional for identification of the cassettes.	This will provide an upgrade of our current labeling on the cassettes, and also prepares the equipment to further upgrade computer transactions at the drying ovens for rod line 7.	IFBA cassettes	ISA-12 IFBA Fuel Rod Manufacturing	Craig, Brian M
12686	Install Tool Board on CL1 2nd Level Platform	Install a tool board on the west side of the 2nd level platform of Line 1 between the calciner and the decanter. It will measure approximately 48 inches by 24 inches and will be mounted on the platform handrails using a mounting bracket. No drawing changes are necessary since none of the existing drawings show these handrails.	Various tools used to perform routine operations tasks on the 2nd level platform of Line 1 will be stored on the tool board.	West Side of 2nd Level Platform of CL1 between Calciner and Decanter	ISA-03 ADU Conversion	Weathers, Stephen H
12688	Sintering Furnace Platform Lighting	With this CCF, we will replace the existing feed to the new Sintering Furnace Platform lighting with a dedicated circuit.	When the new platform was installed, the additional lights are generating too much load and are tripping the breaker. A dedicated circuit will eliminate this issue. Ref. Issue Report (# 12-309-C001)	Sintering Furnace Platform Lighting	Grounds	Parker, James A

CCF Number	Title	Description	Justification	Location	ISA ID	Engineer
12689	CR105 Simplex (Fire Alarm) Speaker Installation	With this CCF, we will be installing a Simplex (Fire Alarm) speaker in CR105. Initially the speaker will be set to .5W however the final tap setting will be finalized during the system verification.	It has been observed in this area that announcements from emergency personnel cannot be heard/ understood during weekly drills. This installation and speaker volume adjustment will give occupants the ability to hear important announcements from emergency personnel during the event of an emergency/drill. Ref. CAPs commitment #12-090-M004.01	CR-105	Grounds	Parker, James A
12690	Chem Lab Manual Pull Station Installation	With this CCF, we will install an additional fire alarm manual pull station at the entrance to the Chem Lab.	There is only one pull station at the rear of the Chem Lab. This door is not used.	Chem Lab	Grounds	Parker, James A
12691	SLIDING GLASS DOORS	CLOSE TWO ENTRANCES OFF AND MAKE ONE SLIDING GLASS DOOR IN THE MIDDLE.	MORE EFFICIENT MATERIAL FLOW THRU TOOL ROOM	TOOL ROOM	Grounds	Joyner, Wendell C
12693	PLN6 Exit Conveyor Upgrades	Upgrade the conveyor system to include more robust bearings and mounting components for the pulleys. Also, standardize the parts to be used on the remainder of the pellet lines with the RAPTr rollout. This change does NOT affect SSC.	The current bearings used on pellet line 6 are not robust enough for operation. Improved designs are being rolled out on the remainder of the pellet lines which include a new bearing, guide and pulley configurations.	Pellet Line 6 Exit Conveyor	ISA-08 Pelleting	Edwards, Logan W
12695	Modify RCCA Auto Lathe (LA-3801)	Prepare for the future addition of the Material Handling System (in the Tool Room) by performing the following modifications: 1. Install the following new sensors in the new RCCA Auto Lathe (Hardinge model GT-27), Equipment # LA-3801: - Tube Bullet Nose to the Stop (pressure switch) - Tube in the Collet (Laser proximity switch) 2. Modify the Emergency Stop (E-Stoop) switch on the RCCA Auto Lathe (Equipment # LA-3801) to provide dual channel communication with the future Material Handling System. This will add a relay and extra contacts to the E-Stop. 3. Modify the vendor drawings (electrical, only) for the above changes. 4. Add the vendor drawings into Matrix, which are: - Electrical drawings (18 total)- 423F07EL02 - Outline drawing (1 total) - 423F07EQ02	1. The sensors are needed for communication & control between the RCCA Auto Lathe and the Material Handling System. 2. The dual channel communication between E-Stops will provide an extra measure of personnel safety. 3. Good practice to keep vendor's electrical drawings current and in Matrix. 4. Good practice to add power panel and mechanical outline drawings into Matrix.	Tool Room, near Column B-12, Mechanical Side	Grounds	McInnis, Steve H

CCF Number	Title	Description	Justification	Location	ISA ID	Engineer
12696	Demo Obsolete P-1112A Pump	Demo obsolete lime slaker transfer and recycle pump P-1112A and associated piping and electrical.	Pump is obsolete and inhibits operator and maintenance access.	URRS - Outside Lime Slaker	ISA-06 Chemicals Receipt, Handling and Storage	Trayers, Michael E
12697	Change CAAS Loop 14 and 17 to 120vac horns	<p>On the criticality alarm system, (CAAS) replace the 24vac operated horns with 120vac horns.</p> <p>The area of the plant that is serviced by this loop is roughly around the UF6 Storage Pad and the Respirator Cleaning Facility.</p> <p>Additional horns will be added to the area to increase audibility.</p>	<p>The CAAS has areas in the plant that cannot hear the horns; this project is a continuation of our efforts to address this issue.</p> <p>The current horns use 24 vac. With the long distances that many of these horns are from the front desk, there is a significant voltage drop to the affect that the outlying horns do not operate at their peak sound levels. By increasing the voltage, the voltage drop will not be as much of a factor.</p> <p>In addition; the 120vac rated horns use 1/3 of the amperage than the current 24vac horns. This will allow us to easily add additional horns on the existing loops.</p> <p>This phase is a continuation of changes for the replacement of the horns as we did on CAAS Loop 5 under CCF 12628.</p> <p>PSEDoc0001257 containing the ITR is attached.</p>	Around the Respirator Cleaning Facility	Grounds	Gantt, Stephen G
12698	PA and Quality Development Managers' Office Simplex (Fire Alarm) Speaker Installation	With this CCF, we will be installing a Simplex (Fire Alarm) speaker in the PA and Quality Development Managers' Office. Initially the speaker will be set to .5W however the final tap setting will be finalized during the system verification.	<p>It has been observed in these areas that announcements from emergency personnel cannot be heard/ understood during weekly drills. This installation and speaker volume adjustment will give occupants the ability to hear important announcements from emergency personnel during the event of an emergency/drill.</p> <p>Ref. CAPs commitment #12-101-C002.01</p>	PA and Quality Development Managers' Office	Grounds	Parker, James A

CCF Number	Title	Description	Justification	Location	ISA ID	Engineer
12700	Add an Air Release Valve to Package Plant Sludge Discharge Line	Add an Air Release Valve to Package Plant Sludge Discharge Line. This is the discharge line from the package plant sludge holding tank to T-1120, Sludge Treatment Tank in the dewatering building.	<p>If sludge is held up in this line for an extended period of time, it can offgas causing a slight pressurization in the line. This resulted in the splashing of material out of T-1120 during the sluge transfer sequence. This is documented by CAPs Issue #12-194-C002.</p> <p>The air release valve will continually relieve pressure as it accumulates in the line. It will be mounted on the high point of the line away from operator exposure.</p>	Package Plant Dewatering Building	Grounds	Eddy, Margaret R
12701	Provide Protection to Prevent Premature RGA Filament Burn-up on IFBA Coater #5	<p>Utilize the new Parini Pressure Gauge, on IFBA Coater #5, to de-energize the filament on the Residual Gas Analyzer (RGA), when the RGA Chamber pressure is above 20 milli-Torr.</p> <p>Equipment #'s: - Parini Pressure Gauge is PE-7069A19. - RGA (on IFBA Coater #5) is AE-7069A16.</p>	De-energizing the filament (stopping emission) will prevent pre-mature burn-out of the RGA filament, when RGA Chamber pressure exceeds manufacturer's upper limits.	IFBA Coater #5	ISA-14 IFBA Processing	McInnis, Steve H
12703	Modify Conversion Area Flexhose Wands	<p>Modify the flexhose wands in the Conversion area that are used for pumping solution from favorable geometry containers by adding a check valve in the piping at the pump inlet between the flexhose and the wand.</p> <p>Additionally, different piping configurations and/or fasteners will be tested on the flexhose wands at the pump inlet and outlet to secure the wands in the favorable geometry container.</p> <p>Initially the wand at the scrubber heat exchanger acid wash pump on CL3 will be modified. A 1/2" 316SS check valve will be used. See the attached file "Check Valve Info.pdf" for additional information. After the design is proven in this application, the design will be migrated to other lines/applications in the area, and the applicable drawings will be updated at that time.</p>	<p>Adding the check valve will prevent solution from leaking back through the wand and onto the floor.</p> <p>Different piping configurations and/or fasteners to secure the flexhose wands at the pump inlet and outlet in the favorable geometry container will reduce the likelihood of a spill and resulting personnel exposure.</p>	Conversion Area	ISA-03 ADU Conversion	Weathers, Stephen H
12704	Incinerator Room Safety Shower Replacement	Replace galvanize steel Bradley safety shower with ENCON stainless steel safety shower.	Current safety shower is deteriorated inside of piping, causing rusty/yellowish water to discharge during weekly checks. Operators are concerned of using dirty water if emergency occurs.	Incinerator Room	ISA-13 Low Level Radioactive Waste Processing	Wright, Kendrick

CCF Number	Title	Description	Justification	Location	ISA ID	Engineer
12705	Hot Oil System Solenoid Valve Exhaust Breathers	The solenoid valves that actuate the isolation valves on the hot oil system currently have a metering device on the exhaust port to vary the close time. Replace the metering devices with breathers on the exhaust ports on valves SV-1385A1, SV-1385A2, SV-1376A1 and SV-1376A2.	The isolation valves can sometimes be slow to close. The metering device could be slightly restricting flow. Also the manufacturer of the solenoid valves does not recommend using a metering device if the solenoid valves are used for 3-way applications (like they are currently used on the hot oil system isolation valves).	Hot Oil System in UF6 Bay	ISA-03 ADU Conversion	Owens, Michael D
12706	Move Breathing Air Station	Move the breathing air station in Solx about 5 feet from the current location.	The breathing air station located near the Solx control room is blocking access to Criticality Alarm Station (CAS) 9. The current location poses a hazard for the Technicians when they must access the station's electrical enclosure for service and calibration. The work will be performed per FSS-003-56.	SOLX	ISA-07 Solvent Extraction	Gantt, Stephen G
12708	Installation of Strobe Light in Equipment Room 3 for CAAS	Install a Strobe Light in Equipment Room 3 to supplement Criticality Alarm	Noise level in room is high and visual notification is needed.	Mechanical Side - Equipment Room	Grounds	Lowe, Vernon E
12709	Forklift Polypak Carrier	Design and build a polypak carrier for transporting polypaks of wet filter cake from the Warm Caustic Waterglass Cake Dissolution process. These polypaks will be transported in this carrier by fork lift from the Waterglass Building to the UF6 bay for further processing.	Polypaks of wet warm caustic filter cake have to be transferred from the Waterglass Building to the UF6 Bay	Waterglass Building	ISA-15 URRS Wastewater Treatment System	Shuler, Robert G
12710	F-1168 Filter Plate Cleaning Table	Design and build a filter plate cleaning table for the plates from the F-1168 rotary filter. The table will have a criticality safe depth so that the plates can be cleaned in a hot water bath.	CSE-15-D for the Warm Caustic Waterglass Cake Dissolution System requires that the dirty plates from the F-1168 rotary filter be cleaned in a criticality safe hot water bath. The previous process used half of a 55 gallon drum for cleaning the plates.	Waterglass Building	ISA-15 URRS Wastewater Treatment System	Shuler, Robert G
12712	Fire Door Release Devices on the Roll Up Doors in the Incinerator Room	Replace the existing release devices on the roll up doors in the Incinerator Room with Chamberlain Liftmaster model LM21XPBB. These normally energized fail-safe devices are FM and UL approved. These devices are listed/ref on dwgs 510F01EL03-06 and 510F01EL01-02. No modifications to these dwgs will be necessary. This CCF has been demoted because the terminal blocks inside the new device are different and required changes to drawing 510F01EL04 sheet 27. Those changes have been made and the drawing is routing.	The existing release devices are obsolete and have failed functional testing numerous times.	Incinerator Room	ISA-13 Low Level Radioactive Waste Processing	Page, Phillip B

CCF Number	Title	Description	Justification	Location	ISA ID	Engineer
12713	Change last 2 Oxide Coater 2 entry ramps to stainless steel	Change the last 2 rails on the entry ramp for oxide coater 2 prep station to stainless steel.	The open end of the tubing could come in contact with the plastic and scrape pieces off that could get inside the tubing.	Oxide Coater 2	ISA-10 ADU Rods	Davis, Alicia D
12714	Replace ramp of OC 2 exit pull ramp with SSt	Replace the ramp on the section of Oxide Coater 2 swing in ramp at the Helium Station.	The open end of the tubing could come in contact with the plastic and scrape pieces off that could get inside the tubing.	Oxide Coater 2	ISA-10 ADU Rods	Davis, Alicia D
12715	Change line 9 entry ramps to SSt	Change line 9 entry ramps to SSt on top and bottom end.	The open end of the tubing could come in contact with the plastic and scrape pieces off that could get inside the tubing.	Line 9 Entry	ISA-10 ADU Rods	Davis, Alicia D
12716	Change Lexan guard at Line 9 rod weigh to SSt	Change the Lexan guard along the exit ramp of line 9 to SSt	The open end of the tubing could come in contact with the plastic and scrape pieces off that could get inside the tubing.	Line 9 Exit	ISA-10 ADU Rods	Davis, Alicia D
12717	Change Oxide Coater 1 entry ramps to SSt	Change the last 2 ramps of the oxide coater 1 entry ramps to SSt.	The open end of the tubing could come in contact with the plastic and scrape pieces off that could get inside the tubing.	Oxide Coater 1 entry	Components	Davis, Alicia D
12719	Skeleton Area Equipment Relocation	Move the existing cabinets to a new location and place the bulge tools behind manual skeleton fixture #4.	Locate the bulge tools to an area that is more accessible.	Skeleton Area	Components	Lincoln, Randal K
12720	Replace plastic rails with SSt on Tube Prep rework lathe	Change the last 3 rails (near the open end of the tube) to SSt rails.	The open end of the tubing could come in contact with the plastic and scrape pieces off that could get inside the tubing.	Tube Prep rework lathe	Clean Side Rod Area	Davis, Alicia D
12721	Power Supply Pulsing Unit for IFBA Coater 8	Install a pulsing unit in series between the power supply and cathode #2 on IFBA Coater #8. This will be a temporary installation to prove that the pulsing unit decreases arcing at the cathode.	If the pulsing unit works as advertised, it will decrease the # of hard arcs, therefore increasing the life of the cathode.	IFBA	ISA-14 IFBA Processing	Lundy, Kevin J
12722	Pre-Work for WaterGlass Misc Rack 6 Panel	Installation of relays and wiring of relays to unused inputs/outputs.	These inputs/outputs are required for future cutovers of remaining Box 28 controls	Outside URRS - WaterGlass	ISA-15 URRS Wastewater Treatment System	Barber, Kevin E
12723	Relocation of T-1161 and T-1163 Pump, Valve and Level Controls	T-1161 and T-1163 Pump, Valve and Level controls need to be removed from TDC Box 28	Remaining controls for T-1161 and T-1163 need to be relocated to new C200 Local I/O Panel in Waterglass control room	Outside URRS - WaterGlass	ISA-15 URRS Wastewater Treatment System	Barber, Kevin E
12724	Relocation of T-1173/T-1174 Controls	Relocate controls associated with Tanks T-1173 and T-1174 from Box 28	Box 28 is being removed and associated I/O relocated to Miscellaneous C200 Remote Rack 6 located in the WaterGlass Control Room	Outside URRS - WaterGlass	ISA-15 URRS Wastewater Treatment System	Barber, Kevin E
12725	Relocation of 1143 Controls	Relocation of 1143 controls from TDC Box 28 to Misc C200 Remote I/O panel	TDC Box 28 is obsolete and being removed	Outside URRS - WaterGlass	ISA-15 URRS Wastewater Treatment System	Barber, Kevin E

CCF Number	Title	Description	Justification	Location	ISA ID	Engineer
12726	Relocation of T-1160B Tank Controls	Relocation of 1160B controls from TDC Box 28 to Misc C200 Remote I/O Panel	TDC Box 28 is obsolete and being removed	Outside RRRS - WaterGlass	ISA-15 URRS Wastewater Treatment System	Barber, Kevin E
12727	Relocation of T-1160A and T-1160C Tank Controls	Relocation of 1160A and 1160C controls from TDC Box 28 to Misc C200 Remote I/O Panel	TDC Box 28 is obsolete and being removed	Outside URRS - WaterGlass	ISA-15 URRS Wastewater Treatment System	Barber, Kevin E
12729	Relocation of 1148/1149 Incinerator Valve Control, 1149 Pump Control and Breathing Air Monitoring	Relocation of XV-1149C, XV-1148C, XV-1190E, Drum Pump XV-1149 and Breathing Air Pressure and Selector switch from TDC Box 28 to Misc C200 Remote Rack	TDC Box 28 is obsolete and being removed	Outside URRS - WaterGlass	ISA-15 URRS Wastewater Treatment System	Barber, Kevin E
12732	CAS Horns Patriot Building	<p>Add Criticality Alarm System (CAS) Horns inside the Patriot Building, outside the Patriot Building for Gate 1, Outside the Shipping Container Refurbishment Building and outside of the Paintspray booth. In addition, a horn will be added in the Grid Strap Annealing Room, and a horn and stobe will be added to the Compressor Room.</p> <p>Please see the attached ITR.</p>	The CAS horns cannot be heard inside the Patriot Building, outside the Patriot Building around Gate 1, inside and outside of the areas of the Shipping Container Refurb. Bldg, Paint Spray Booth, Zirc Strap Annealing Room and the Compressor Room. In addition to a horn in the Compressor Room, a strobe light will also be added due to the high noise level in that room.	North side Plant grounds, Mechanical Area	Grounds	Gantt, Stephen G
12735	Pellet Area Eye Wash Stations	Install a portable eye wash station (under 1L in volume) similar to those found throughout the plant at the front end of each of the pellet lines and inside the pelleting tool crib.	Operators remain concerned about the possibility of debris getting into their eyes. The nearest eyewash station is in the conversion area and the pellet team room. These installations allow for easier access for smaller, more immediate injuries.	Front Ends of All Pellet Lines and Pellet Tool Crib	ISA-08 Pelleting	Amormino, Sean T
12737	PLN3 Vacuum Blower Upgrade	<p>Replace the obsolete vacuum blower with a Spencer unit used on PLN4, 5 and 6.</p> <p>Changes same as 08151.</p>	The current unit is obsolete (no spares) with production waiting for a replacement.	Pellet Line 3 Vacuum Blower (under Tray Stacker)	ISA-08 Pelleting	Edwards, Logan W
12738	Add 165" Stainless Steel Channel for Rod Storage	<p>A new item will be added to 439F02TL03 to make 165" stainless steel channels for rod storage. Changes to this drawing require a CCF. Since it is a tooling drawing there is no for construction drawing but a PDF of the revised drawing is attached.</p> <p>Drawing 439F02TL03 was previously DAP'ed by Tooling. The new 165" S.S. channel was added to the drawing as new sheet 2.</p>	<p>Remove all rhinolined channels due to FM. Using all long stainless steel channels is not preferred.</p> <p>Since the impacted drawing mentions a Safety Significant Control (SSC) ADUROD-115, an "Independent Technical Review" was performed and filed as PSE Doc-0001209. No SSC's are impacted by this CCF.</p>	Rod Storage	ISA-10 ADU Rods	McInnis, Steve H

CCF Number	Title	Description	Justification	Location	ISA ID	Engineer
13001	Rod Line 8 Girth Welder Motor Replacement	Install componets,wiring and programming for Line 8 Girth Welder Replacement. This installation will not affect existing motor or functionality of line 8. The motor gearbox, final programming and demo will be implemented on a separate CCF.	Spare and replacement parts are unavailable for the current drive motor. The new motor will have spare part readily available.	Rod Line 8	Clean Side Rod Area	Lowe, Vernon E
13002	Replace Gripper Support angles on APVIS	Replace gripper support angles on APVIS from welded parts to heavier section angles. The welded parts are too limber due to the welding process, resulting in bending and misalignment of the gripper actuators.	Improved system reliability and easier corrective action when wrecks occur.	Gripper Zone 3	ISA-14 IFBA Processing	Crone, David C
13003	Relocate Waterglass Overhead and Jib Crane Disconnects	Relocate the disconnects for the Waterglass overhead crane and the jib crane from beside the F-1168 filter to the wall.	Current location of the disconnects are in front of the drive belts for the F-1168 filter and makes access to the machine difficult for routine maintenance.	URRS - Waterglass	ISA-15 URRS Wastewater Treatment System	Lowe, Vernon E
13004	Maintenance Laydown Shed	Install 30'X40'X10' shed design and stamped by O.R. Haney, P.E for Jacobs Carports, Inc. See attachment for detailed specification.	Shed is needed for Maintenance equipment laydown area. Original Maintenance laydown area is now used as Recycling Center.	Between Scrap Metal Recycling area and Mechanical Cooling Tower	Grounds	Wright, Kendrick
13005	Kitchen Dock 11 Expansion	Expand Kitchen Dock approximately 42' out with shed included. Plus install an 18'-6"X25' pad and modular building on the other side(flower bed behind kitchen storage area) of the north wall of the Kitchen Dock. Cut 4' door in north wall to gain access to building. Building will be teperatured control. Electrical Installation includes: *Svc to the new Pre-Fab Modular Building to accomodate outlets, lighting, etc. *Svc for HVAC *Svc for a Raynor rollup door *Simplex speaker and heat detector installation *General and Emergency lighting for the extended dock cover	The current Kitchen Dock has run out of capacity to safely and efficiently operate during high volume deliveries. The dock is congested (kitchen staff and vendors, change clothing, digester, trash etc.) with limited amount of space. Building is needed for contractors to exchange clothing efficiently; plus with this space, contractors will be able to move clothing racks from out main Chem Lab ailse. Project has been approved by Upper Staff Level Management.	Dock 11	Grounds	Wright, Kendrick
13006	HX-1105, Absorber Cooler Top and Bottom Head Replacement	Replace the carbon steel top and bottom heads on HX-1105, absorber cooler with stainless steel parts.	CAPs commitment #09-302-C002.01: During recent internal inspection of HX-1105, moderate corrosion of both the top and bottom tube sheets was noted. There is also minor to moderate corrosion in the shell side. The bottom head is described as having moderate to severe corrosion. Replacement was recommended.	URRS Outside / Still 1	ISA-06 Chemicals Receipt, Handling and Storage	Chiu, Jessica S

CCF Number	Title	Description	Justification	Location	ISA ID	Engineer
13007	Modify Orientation of DI Water Spray Nozzles in Off-Gas Scrubber Crossover Loop	<p>Modify the two DI Water spray nozzles located at the top of the crossover loop piping from their current orientation.</p> <p>As shown on drawing 336F05EQ03:06, the current specified angle is 25 degrees from the horizontal. As documented in CAPs issue reports 11-308-C015, 11-350-C006, and 12-024-C011, there have been several instances when the nozzles were unintentionally switched when they were reinstalled, effectively resulting in an orientation of 130 degrees from the specified angle (or 155 degrees from the horizontal).</p> <p>This CCF will allow testing of different spray angles to include 70 degrees, 85 degrees, 95 degrees, 105 degrees, and 115 degrees as measured from the current angle (for reference these angles would correspond to 95 degrees, 110 degrees, 120 degrees, 130 degrees, and 140 degrees, respectively, from the horizontal).</p> <p>The initial modification will be to change the angle to 95 degrees from the current angle (120 degrees from the horizontal). Initially this modification will be made on Line 3 with modifications made to other lines pending acceptable results during the Line 3 trial. Notes will be added to the appropriate drawings to indicate the acceptable angles. A memo will be issued as an update to the attached Maintenance training bulletin (note that the attachment shows the current configuration not the change per this CCF).</p>	Pluggage of the crossover loop piping is a recurring problem that leads to calciner/scrubber pressure excursions and the resulting need to clear the piping. Observation and modeling have shown that even with the DI water spray nozzles at the top of the crossover loop in their current orientation, the bends in the crossover loop are the prime locations for buildup. Optimizing the orientation of the existing spray nozzles per this CCF is the first step in reducing the pluggage.	Off-Gas Scrubber Crossover Loop Piping	ISA-03 ADU Conversion	Weathers, Stephen H
13008	Replace Existing Waterglass DCS panel and AC Power distribution	This CCF will replace the existing Waterglass DCS C200 panel and install a new 480/120 volt AC control panel.	The existing panel will not support the I/O required for the Warm Caustic process. New AC controls are required to support the Warm Caustic process.	Water Glass Building	ISA-15 URRS Wastewater Treatment System	Lowe, Vernon E
13010	Shorten Trolley beam in Oven 2	Shorten the Trolley beam to allow increased clearance inside oven 2.	The Trolley position is determined by an Encoder. The length of the beam allows a small tolerance to be in an acceptable position to open/close Oven doors. By removing excess trolley length from each end of the beam will increase the allowable tolerance.	IFBA/FA2	ISA-14 IFBA Processing	Young, Roy D

CCF Number	Title	Description	Justification	Location	ISA ID	Engineer
13011	Change Satellite Designations on 522E01AR01	Drawing 522E01AR01 currently shows 3 areas in or adjacent to final assembly that are designated as "C" (Zirconium Waste Storage Areas). One of these should actually be an "A" (Flamable Liquid Storage Cabinet) and one is being eliminated. See attached drawing for changes	Satellite drawing 522E01AR01 ("Chemical Storage Cabinets) needs to be accurate and represent the existing facilities condition for satellite locations regarding chemical storage.	Final Assembly	ISA-17 Final Assembly	Lincoln, Randal K
13012	Hot oil room doors	Remove the threshold plate under the doors to the hot oil room	New fire doors will be added to replace the existing doors and the new doors are a custom fit so the threshold that filled the under door gap is no longer needed.	Hot oil room west end doors	ISA-03 ADU Conversion	Stafford, Kris
13013	IFBA RodLine 7 Drybox Camera Replacement	Replacement of barcode cameras on IFBA Rodline #7 to improve reliability of tube scanning.	This is the second phase of upgrading the Line 7 bar code cameras to replace old, problematic equipment with the new plant standard cameras. In this phase, the two cameras at the entrance and exit of the drybox will be replaced with one camera mounted at the plugger station. This change will improve reliability and throughput.	Line 7 Drybox Plugger Station	ISA-12 IFBA Fuel Rod Manufacturing	Smith, Kerry W
13014	Electrically remove Light Curtains from ADU Lift Table	Originally the lift table operation in ADU Rods was designed using light curtains for safety barriers. This modification will be removing the light curtains electrically from the system (currently they are "jumped out" with approval from Industrial Safety as other appropriate safety measures have been instituted.)	Post-installation the lift table operation was thoroughly evaluated to properly protect employees from hazards and the light curtain design was determined as unnecessary when other measures were in place (which have been established for the equipment now including a longer back guard and signage of pinch points.)	ADU Rod Lift Table	ISA-10 ADU Rods	Sinegar, Jill G
13016	Plating Room Manual Assist Bridge System	Install a manual assist bridge system to cover the plating operations of grids. Manual assist to cover from the racking/unracking station through all the dip tanks. System to be sized to handle loading of nickle bags in the plating and strike tanks. This CCF will encompass the runway, bridge and hoist for handling nickel bags. CCF-12190 will be for the end effector for moving plating racks between tanks.	Current operation is manual and requires the operators to lift racks of grids from tank to tank in the Safety in Motion red zone. Also, due to needing to clear the tanks, process fluids can drip from the racks on to the operators. Proper PPE is worn but hazard still exists.	Grid Plating Room	Components	Trayers, Michael E
13017	Lime Slaker Grit Screw Replacement	Install a new grit screw in the lime slaker room. New grit screw to be stainless steel housing and cover. Increase angle to improve liquid/solid separation.	Current screw is at end of life and corroded.	URRS - Outside - Lime Slaker	ISA-06 Chemicals Receipt, Handling and Storage	Trayers, Michael E
13019	Oven 3, change pump connection to bellows	Change the fitting from the roughing pump to the Oven 3 vacuum piping system from a rubber sleeve to a bellows type fitting like Oven 1 (CCF-11217)	Easy to install/remove roughing pump and maintain a proper vacuum seal.	IFBA, Oven 3	ISA-14 IFBA Processing	Young, Roy D

CCF Number	Title	Description	Justification	Location	ISA ID	Engineer
13020	Modify Arrangement Drawing for New Material Handling System in Tool Room	<p>Modify arrangement drawing 500F04AR07 Sheet 4 and show the new Material Handling System (MHS) in the Tool Room.</p> <p>Toolmakers will remove and store the existing "Temporary Test Rig" (reference TD001553).</p> <p>This will simply locate the new MHS in its final location, ONLY.</p> <p>No tie-ins and no connections will be made under this CCF.</p>	<p>This separate CCF is required to meet the configuration control requirements.</p> <p>The CCF for installation, tie-ins and connections will occur later.</p>	Tool Room	Grounds	McInnis, Steve H
13021	Ramco Degreaser skimmer tank	Replace plastic skimmer tank with a stainless steel tank.	Ramco has gone to stainless tanks	strap degreasing area	Grounds	Stafford, Kris
13022	Piping Extension for Rental Compressor	Add piping extension from Centac compressor room to exterior yard area for a permanent connection point for a rental compressor. The existing rental compressor will be switched over to feed from new piping connection through west air receiver and dryer unit. This CCF will also disconnect several small diameter instrument air supplies feeding out of service Centac compressors, which are not shown on drawings.	Remove safety hazard during demolition inside of building due to flexible hose and allow east dryer unit to be removed from service for new air compressor project.	Centac Compressor Room	Grounds	Knight, Christopher S
13023	Change Power Feed for Lighting around Sludge Dewatering area	Change Power Feed for Lighting around Sludge Dewatering area. This change will eliminate ERP-SDB	The existing underground feed cable from the East side of the lagoons has failed. We will disconnect the feed cable near the EPA building and will feed the lights on the West side of the lagoons from the Sludge Dewatering Building Power Panel. We will replace the 120 volt lamps on the building with 480/277 volt fixtures, which will allow us to eliminate the transformer/mini-PowerZone panel.	Lighting around the Sludge Dewatering Building	Grounds	Page, Scott C
13024	Oven 3, Monorail joint in the oven	The monorail in oven 3 is in two parts that come together at the sprocket in the center of the oven. In oven 3 the two parts are not correctly aligned, the exit side has shifted ~1/2" to the right of the center. Weld two 1" x 4" SST pieces (one to each side of the input monorail) that hold the exit side in proper alignment.	Production & Equipment safety - Because of this mis-alignment, when the trolley is being moved from the exit side to the input side, the sprocket does not align with the chain on top of the trolley and the sprocket presses down on top of the chain. This can cause the welds that hold the monorail in place to break (this has happened). If too many welds break, the monorail with cassettes could fall inside the oven.	IFBA Rod line 5	ISA-12 IFBA Fuel Rod Manufacturing	Young, Roy D

CCF Number	Title	Description	Justification	Location	ISA ID	Engineer
13025	Oxide Coater #1 Electrical Upgrade Pre-Work	<p>The scope of this job is to install various items on Oxide Coater #1 during a short downtime window. This scope is Pre-Work which consists of installing these items to existing equipment in advance of another downtime window. These items will be mounted to existing equipment. None of the items will be terminated to electrical or pneumatic power sources at this time. The field location of the items will be determined by the project engineer and peer checked by the area engineer to ensure they do not interfere with the operation of the existing equipment. Per plant practice, these items are documented on schematics only. There are no layout drawings at this time. These items consist of the following:</p> <ul style="list-style-type: none"> - Remote Turck Ethernet based Input blocks. - SMC pneumatic manifold panels. - Allen Bradley Flex I/O cabinets. - E-Stop and Various electrical boxes, conduit, and cables as time permits. <p>After the work is completed, this CCF will be approved for start-up and closed. The next scope of work will be done under a new CCF during the next downtime window.</p>	This is an approved capital project (AR TI-12502) to replace the Oxide Coater #1 control system. Due to high production demands, the full scope of the job cannot be done during one long extended downtime window. This work will be done in phases in multiple short downtime windows via the TA-500 CCF process for each scope of work.	Oxide Coater #1	Components	Stefan, Nick
13026	Install Double Nuts on Counterweights for Scrubber Back Pressure Valves	Install double nuts on the counterweight on the scrubber back pressure ("flapper") valve located on each of the 5 conversion lines. This affects SSC ID ADUSCR-106. The ITR is attached.	This modification is to prevent the counterweights from falling off. A recent incident occurred as reported in Redbook # 62164.	Conversion Line Scrubbers	ISA-03 ADU Conversion	Weathers, Stephen H
13027	Installation of Power Panel For Support of P-1128	Installation of new Power Panel to support P-1128 (North Lagoon Pump)	Current conduit is underground and corroded. The new power panel will be located closer to the pump and will have conduit run above ground to prevent corrosion due to the ground. Also, the new panel will support future expansion and temporary connection of portable sewage system.	Outside URRS - Grounds North Lagoon		Barber, Kevin E
13028	Remove PID control in VFD for Line1 MoynoPump	Remove PID control in VFD for Line1 MoynoPump. Currently there is PID control internal to the VFD controlling the Moyno Pump speed. We are going to move the PID function to the DCS system. This will require reprogramming the VFD and several wiring changes.	With the new DCS system we can return the control to the operators, currently the PID function is in the VFD. This is a much more standard type control installation.	Line 1 VFD for the Moyno pump	ISA-03 ADU Conversion	Page, Scott C

CCF Number	Title	Description	Justification	Location	ISA ID	Engineer
13029	Line 1 Bulk Room Portable Pneumatic Hammer	Introduce a portable pneumatic vibrator to the bulk room to aid in hammering on the tank during powder flow problems (ie: sticky powder). Vibrator will be powered via already existing airlines. Only portable hose will be run while system is in service. See CCF 12566 for example of implementation on Line 5	The current method of loosening packed powder is swinging weighted mallets into the tank. In the past 12 months, this has contributed to 3 first aid cases and numerous near hits. The use of the pneumatic vibrator eliminates the need to swing the hammer in the confined space of the bulk room.	Line 1 Bulk Room	ISA-08 Pelletting	Amormino, Sean T
13030	Line 2 Bulk Room Portable Pneumatic Hammer	Introduce a portable pneumatic vibrator to the bulk room to aid in hammering on the tank during powder flow problems (ie: sticky powder). Vibrator will be powered via already existing airlines. Only portable hose will be run while system is in service. See CCF 12566 for example of implementation on Line 5	The current method of loosening packed powder is swinging weighted mallets into the tank. In the past 12 months, this has contributed to 3 first aid cases and numerous near hits. The use of the pneumatic vibrator eliminates the need to swing the hammer in the confined space of the bulk room.	Line 2 Bulk Room	ISA-08 Pelletting	Amormino, Sean T
13031	Line 3 Bulk Room Portable Pneumatic Hammer	Introduce a portable pneumatic vibrator to the bulk room to aid in hammering on the tank during powder flow problems (ie: sticky powder). Vibrator will be powered via already existing airlines. Only portable hose will be run while system is in service. See CCF 12566 for example of implementation on Line 5	The current method of loosening packed powder is swinging weighted mallets into the tank. In the past 12 months, this has contributed to 3 first aid cases and numerous near hits. The use of the pneumatic vibrator eliminates the need to swing the hammer in the confined space of the bulk room.	Line 3 Bulk Room	ISA-08 Pelletting	Amormino, Sean T
13032	Line 4 Bulk Room Portable Pneumatic Hammer	Introduce a portable pneumatic vibrator to the bulk room to aid in hammering on the tank during powder flow problems (ie: sticky powder). Vibrator will be powered via already existing airlines. Only portable hose will be run while system is in service. See CCF 12566 for example of implementation on Line 5	The current method of loosening packed powder is swinging weighted mallets into the tank. In the past 12 months, this has contributed to 3 first aid cases and numerous near hits. The use of the pneumatic vibrator eliminates the need to swing the hammer in the confined space of the bulk room.	Line 4 Bulk Room	ISA-08 Pelletting	Amormino, Sean T
13033	Floor-Mounted Crane for Centrifuge Bowl Removal on Line 2	A floor-mounted hand-crank crane positioned behind the grinder on line 2 to be used for lifting and moving centrifuge bowls.	A portable version of the skyhook crane was tested on the production floor, but was deemed too cumbersome for daily use. A version mounted to the back end of each line was determined to be more practical for operator use.	Line 2 Grinder	ISA-08 Pelletting	Amormino, Sean T

CCF Number	Title	Description	Justification	Location	ISA ID	Engineer
13034	Floor-Mounted Crane for Centrifuge Bowl Removal on Line 3	A floor-mounted hand-crank crane positioned behind the grinder on line 3 to be used for lifting and moving centrifuge bowls.	A portable version of the skyhook crane was tested on the production floor, but was deemed too cumbersome for daily use. A version mounted to the back end of each line was determined to be more practical for operator use.	Line 3 Grinder	ISA-08 Pelleting	Amormino, Sean T
13035	Floor-Mounted Crane for Centrifuge Bowl Removal on Line 4	A floor-mounted hand-crank crane positioned behind the grinder on line 4 to be used for lifting and moving centrifuge bowls.	A portable version of the skyhook crane was tested on the production floor, but was deemed too cumbersome for daily use. A version mounted to the back end of each line was determined to be more practical for operator use.	Line 4 Grinder Centrifuge	ISA-08 Pelleting	Amormino, Sean T
13036	Floor-Mounted Crane for Centrifuge Bowl Removal on Line 5	A floor-mounted hand-crank crane positioned behind the grinder on line 5 to be used for lifting and moving centrifuge bowls.	A portable version of the skyhook crane was tested on the production floor, but was deemed too cumbersome for daily use. A version mounted to the back end of each line was determined to be more practical for operator use.	Line 5 Grinder Centrifuge	ISA-08 Pelleting	Amormino, Sean T
13037	Add Shutoff Valve in Hot Water Return Line on Top Of T-1143	Add shutoff valve on top of Hot Water Tank, T-1143.	Adding a shutoff valve will allow isolation of the hot water return line, PRHWR-025-2"-72 in the event that this line needs to be isolated from T-1143 for repair.	Top of Hot Water Tank T-1143 Outside in URRS	ISA-15 URRS Wastewater Treatment System	Shuler, Robert G
13038	Add a Ball Valve in the Dirty Dissolver Centrifuge Recycle Line	Add a Ball Valve in the Dirty Dissolver Centrifuge Recycle Line. This valve will be located on the discharge line of the P-754B pump that recycles contents to V-754A, the centrifuge feed tank.	This valve will aid in better isolation of components and help to troubleshoot desired flow rates through the system.	Dirty Dissolver	ISA-04 Safe Geometry Dissolver	Eddy, Margaret R
13040	Install Float Valve on Cold Rinse Tank	Install a float valve to control DI water addition to the cold rinse tank. Valve will automatically close when tank hits a predetermined level.	Current fill method is opening a manual valve when required. If valve is left open, tank can overflow into trench which will eventually overflow causing considerable clean up and waste costs.	Grids - Plating Room	Components	Trayers, Michael E
13041	Dryer Modifications	Update tolerance on insert plug and allow for use of a spacer if needed. (360F23EQ10 and 360F23EQ03)	Allow for field fitting of plug from storeroom.	ADU Dryers	ISA-03 ADU Conversion	Hudson, Christopher W
13042	Add Air Break Above Sight Glass on T-1081	Install a "T" and a short flanged leg off of the "T" in the top elbow after FG-1081.	The former sight glass had a "T" design. Since the new strait sight glass installation, V-1081 has been experiencing a strong siphoning effect when the column floods. The added air gap will help operations recover after a flooding condition.	SOLX	ISA-07 Solvent Extraction	Eddy, Margaret R

CCF Number	Title	Description	Justification	Location	ISA ID	Engineer
13043	1B Furnace Upgrades	<p>ELECTRICAL</p> <p>1.Modify the PLC code by adding a 3 sec. delay start timer to the boat dumper's reversing relay. This will allow time for the motor to come to a complete stop before reversing direction. Ref. CCF 10134, 10371, 10552, 10642, 11263 & 12268 for similar change.</p> <p>2.Field verify and correct any drawing inadequacies</p> <p>3.Add a weld receptacle</p> <p>4.Replace solenoid valves SV1B-1, SV1B-2, SV1B-3, SV1B-6 & SV1B-7 with Jamesbury air actuated ball valves. These valves are part of SSC's: PELSINT-901, PELSINT-903, PELSINT-904, PELSINT-905, PELSINT-906 & PELSINT-909. Ref. CCF 11511 & 12268 for similar change.</p> <p>5.Replace solenoid valves SV1B-9, SV1B-10 and SV1B-11 with Jamesbury air actuated ball valves. PELSINT-915 will be affected. Ref. CCF 09605, 09559, 09802, 10209, 10513, 10642, 11263 & 11575 for similar change.</p> <p>The following SSC's will be checked: PELSINT-901,PELSINT-902,PELSINT-903, PELSINT-904, PELSINT-905, PELSINT-906, PELSINT-907, PELSINT-908, PELSINT-909, and PELSINT-915</p> <p>MECHANICAL</p> <p>F01 P&ID</p> <p>1.Upgrade piping to FSS-003/NFPA 50A/ASME B.31.12-2008 specifications. Ref. CCF 12535, Part 1 for similar changes.</p> <p>2.Change nitrogen and hydrogen piping routes. Ref. CCF 12535, Part 2 for similar changes.</p> <p>3.Replace SV1B-4 with air actuated valve. Ref. CCF 12535, Part 3 for similar changes.</p> <p>4.Relocate CV1B-1 to be downstream of XV1B-6 control valve instead of preceding the valve. Ref. CCF 12535, Part 4 for similar changes.</p>	<p>ELECTRICAL</p> <p>1. Per the boat dumper's motor manufacturer, the motor wasn't designed for the application in which it is being used. Currently, when needed the motor's forward relay is energized and held high until its motion is completed. Once its forward motion is completed, its reverse relay is instantly energized and held high until its cycle is complete. This cycle happens on avg of about every 20min. When called to reverse, the motor periodically continues driving forward damaging its gearbox. The Boat Dumper is not safety significant (Active Engineered), however it is controlled by a PLC that is safety significant. Sketch No. 829013-1</p> <p>2. Field verifying and making drawing corrections while working on a piece of equipment is good engineering practice. This also provides Craft personnel reliable documentation when troubleshooting.</p> <p>3. No weld receptacles are nearby. The new receptacle will allow welder connection w/o having to run cables great distances and thus eliminate safety hazards associated with long welder cable runs.</p> <p>4 & 5. Solenoid valves are a poor choice for final elements in interlocks because confirmation of the state of the valve when performing interlock verifications is not possible. Also, solenoid valves are prone to leak-through. This change will bring all of the 1B furnace SSC valves up to the plant standard practice of using quarter turn valves with spring return, air operated actuators as the final elements in SSC's.</p>	ADU Pelleting \ 1B Sintering Furnace	ISA-08 Pelleting	Vining, George E Jr

CCF Number	Title	Description	Justification	Location	ISA ID	Engineer
13045	Conversion Line 1 Dryer Modifications	<p>Install a 1/8-inch 304 SS plate to act as a spacer on the support pier on the discharge end of the line 1 dryer.</p> <p>Remove the weld on the inside (dryer side) of the plug as necessary so that the plug will fit flush into the dryer shell.</p> <p>Adjust the height of the 4 dryer paddles near the plug as necessary to ensure a sufficient clearance from the dryer shell. As indicated on the drawing, these are paddle numbers 15 and 16 on the top and bottom of the dryer shaft, counting from the feed end.</p>	The changes are all being made as part of the effort to reduce the intermittent rumbling in the dryer.	Conversion line 1 Dryer	ISA-03 ADU Conversion	Weathers, Stephen H
13047	Relocation of T-1163 Tank Controls	Relocation of pump, level and valve controls from TDC Box 28 to new Experion C200 Controls	TDC Box 28 is obsolete and being removed	Outside URRS - WaterGlass	ISA-15 URRS Wastewater Treatment System	Barber, Kevin E
13048	XV-312D Valve Replacement	<p>Replace the XV-312D valve/actuator assembly on conversion line 3. The current valve/actuator assembly is a Flowserve Worcester T5166T150R6 (1-in. flanged, CF8M body, 316 SS trim, Teflon seat). The replacement assembly will consist of a Jamesbury valve model # 7150-31-3600XTZ (1-in. flanged, CF8M body, ball, and stem, Xtreme seat) with Valv-Powr actuator model # VPVP200SR45B (see attached cut sheets).</p> <p>This CCF was demoted so I could correct the part number of the actuator. The correct part number is VPVL200SR45B. Note: This actuator, equipped with a 120 volt solenoid, is spring to close - air to open.</p>	The current Worcester valves have a long lead time and the Jamesburys can be obtained the same day. Reference CCF 09736 which did the same thing for replacing currently installed XV-S-942 (manufacturer Worcester) with Jamesbury 7150 ball valve with VPVL actuator and integral solenoid.	V-312 tank valves	ISA-03 ADU Conversion	Page, Phillip B
13049	Fuel Shut off Valve on Generator #2	<p>Replace the existing single seal fuel shut off valve (FV8002) on #2 Generator with a dual seal fuel shut off valve (FV11021-02). This new valve is recommended by the OEM.</p> <p>See the attached Cummins Atlantic parts catalog sheet.</p>	The existing fuel shut off valve is leaking by the single seal and allowing fuel to enter the crankcase. This new OEM recommended shut off valve (FV1021-02) has dual sealing surfaces and is a more robust design, thereby eliminating fuel leakage.	UF6 Bay in the Chemical Area	Grounds	Page, Phillip B
13051	Install Power Feed for Sub-Station Breaker Calibration	Install 480V Backup Power Receptacle for Sub-Station Breaker Calibration in Sub-Station 6.	This will give us the ability to calibrate breakers in Sub-6 instead of "hauling" them to other calibration locations.	Substation 6 behind DI Water Building	Grounds	Page, Scott C
13052	New Receptacle and Relocate Thermostat in Modular Office #8	Install a new 20 amp receptacle per the attached drawing and relocate the Thermostat from the Office to the Hallway	Security needs a receptacle to run a projector. The thermostat needs to be in a location, so that both Security and Emergency Brigade have access to the thermostat.	Modular Office 8	Grounds	Rawlings, James W

CCF Number	Title	Description	Justification	Location	ISA ID	Engineer
13053	Bar Code Reader Light Shields Oxide Coater 2	During installation of the new Cognex Barcode Readers on Oxide Coater 2 it was found that the overhead lights were interfering with the reading of the barcodes. This project would install permanent covers(shields) on the new assemblies that hold the bar code cameras and lights. A test assembly will be installed on the Helium station and ran prior to installing on the other 3 stations.	Bar code readers on Oxide Coater 2 will not read properly without blocking or removal of the overhead lights	All 4 process stations	Components	Harpster, Leon J
13054	Re-Install Recirculating fan as per 805F03EL02 rev01 Remove Motor Temperature Switch on IFBA Vac. Oven3 Hot Gas Recirc. Fan	Remove Motor Temperature Switch on IFBA Vacuum Oven 3 Hot Gas Recirculation Fan. Revision: The temperature switch will be connected when the Fan is re-installed. The switch was located on the back side of the motor and is available for use.	Motor was repaired (rewound) and the temperature switch was omitted. This function of this switch is to protect the motor from overtemperature. Revision Incorrectly determined that the switch was omitted; the switch was mounted on the back side of the motor.	IFBA Vacuum Oven 3	ISA-14 IFBA Processing	Page, Scott C

CCF Number	Title	Description	Justification	Location	ISA ID	Engineer
13055	Line 2 R53 Press, Roll Hood & Boat Loader Modifications	<p>Press</p> <ol style="list-style-type: none"> 1. Change the die fill and bottom punch LVDT from RDP Electrosense, Inc. P/N RDP D2-2000 to Measurement Specialties P/N 2000 DC-EC. Spec. sheets on the RDP and Measurement Specialties LVDT's are attached. 2. Install a needle valve on the air supply line to the Vibra-Fluid Feeder air motor. Ref. CCF 12065 for identical change. 3. Add a new hold-down cam angle indicator. <p>Roll Hood</p> <ol style="list-style-type: none"> 1. Add Note to 361F03EQ10, Sht 01 to provide general location/size of oil reservoir access port. <p>Boat Loader</p> <ol style="list-style-type: none"> 1. Add Note to 322F10EQ22, Sht 23, Item 133 to allow multi-piece construction of cover. 	<p>Press</p> <ol style="list-style-type: none"> 1. The RDP Electrosense LVDT is obsolete. 2. Ergonomics. Currently, an operator has to bend low to change the pressure to increase/decrease the speed of the air motor. <p>The operation of the air motor is not readily visible when bent over to make the adjustment. Therefore, adjustment is often an iterative process. The new flow control valve is positioned such that the operator can easily change speeds w/o having to change positions and can observe the speed change while operating the valve.</p> <ol style="list-style-type: none"> 3. The OEM hold-down cam angle indication is very difficult to read. The new indicator greatly improves the angle setting visibility. Ref. attached pics. <p>Roll Hood</p> <ol style="list-style-type: none"> 1. Port previously shown on drawing, but not defined. <p>Boat Loader</p> <ol style="list-style-type: none"> 1. Allow fabrication of pellet conveyor secondary top cover from multiple pieces of Lexan via glued/screwed construction to improve installation and ease of repair. 	ADU Pelleting \ Line 2 Press, Roll Hood & Boat Loader	ISA-08 Pelleting	Vining, George E Jr
13056	Hot Oil fill and drain system electrical controls	Install electrical controls and service for operation of a new drain and fill system for Hot Oil Systems 3 and 4.	The upgrades will improve safety and reliability.	Hot Oil Room and Mezzanine, Outside UF6 Bay	ISA-03 ADU Conversion	Smith, Kerry W
13057	Hot Oil System 4 expansion tank electrical controls	Install electrical controls for operation of a new expansion tank for Hot Oil System 4.	These upgrades will improve safety and reliability. The expansion tank installation will further separation of the two systems to enhance maintenance and reduce downtime.	Hot Oil Room and Mezzanine	ISA-03 ADU Conversion	Smith, Kerry W

CCF Number	Title	Description	Justification	Location	ISA ID	Engineer
13058	Mechanical clamp to temporarily resolve a cooling water leak above the X-Ray power supply platform	This CCF will allow the installation of a mechanical clam shell enclosure that will temporarily repair a cooling water leak over the X-Ray power supply platform in the QC Rod Area.	The cooling water piping is severely degraded and this repair clamp will allow the area to operate until the pipe can be replaced during the May 2013 Outage.	QC Rod Area	ISA-10 ADU Rods	Page, Phillip B
13059	Modify Support for Existing Pipe Rack	Add new support for existing pipe rack support column. This new support will be tied into the existing support structure for the Warm Caustic Waterglass Cake Dissolution System.	The existing angle supports for the pipe rack support column interfere with the piping for the Warm Caustic Waterglass Cake Dissolution System. Adding the new supports will allow removal of the existing angle supports that interfere with the piping and the new supports will be much more substantial than what exists now.	Inside Waterglass Building	ISA-15 URRS Wastewater Treatment System	Shuler, Robert G
13060	Relocation of Power for LT-1161	Relocate Power from TDC 24VDC Power Supply to new WG C200 Panel	TDC Panel and components are obsolete and will be scheduled for removal	Outside URRS - WaterGlass	ISA-15 URRS Wastewater Treatment System	Barber, Kevin E
13061	Utilize Nilfisk Model GM80i in Chemical Areas	The current vacuum, Nilfisk Model GM80 is no longer available. The company now only supplies Model GM80i. According to the factory specifications, there is no difference in the physical dimensions of the vacuum component. The GM80i is the "industrial" model that comes with a heavy duty trolley, neoprene hose, and curved steel handle attachment.	The company now only supplies Model GM80i.	Vacuum for Chemical Areas	Miscellaneous	Eddy, Margaret R
13062	Install a Flammable storage cabinet	Install a Flammable storage cabinet on the north side of the Baltec equipment room.	Currently Grid area employees have to go outside to the oil house to get acetone. This is dangerous when it is dark outside.	Bays 12-13 & BB-A	Grounds	Stafford, Kris
13063	Conversion line 1 dryer gearbox	Change the gearbox on line 1 dryer to reduce the feed rate. The stock number of what we have is M85723 with a 11.4:1 ratio and we want to go with a stock number of M85726 with a 20.9:1 ratio. Both are 140DM2A APG reducers and the bodies are identical in size, form and shape.	This will enable us to better control the feed rate of the dryer and help to eliminate the dryer rumble that we currently have.	Moyno Pump	ISA-03 ADU Conversion	Stafford, Kris
13065	Chem. Lab Scrubber Caustic Alarm	Add an alarm to the Chem. Lab Scrubber for "too long" caustic(NaOH) addition. We had an event where the caustic valve stayed open too long and added to much caustic to the Chem. Lab Scrubber. This alarm will shut the valve and activate an alarm.	We had an event where the caustic valve stayed open too long and added to much caustic to the Chem. Lab Scrubber. This alarm will shut the valve and activate an alarm.	Chem. Lab Scrubber S974 on Roof	ISA-01 Plant Ventilation System	Page, Scott C
13066	Data Center AC Installation	Five new row cooling units will be installed in the Data Center(computer room). Demolition of AC06 will take place in a future CCF. This CCF covers the installation of the cooling units and condensers.	AC06 is near its end of serviceable life.	Inside of the Data Center	Grounds	Stutts, Roy D

CCF Number	Title	Description	Justification	Location	ISA ID	Engineer
13067	Removal of Unused Temperature Converters and Addition of 2nd Alarm Horn	Remove SlimPAKs originally installed to support T-1161 and T-1163. Also add additional alarm horn to be located in the WaterGlass Building to existing alarm horn circuit.	There are three temperature controllers (with monitoring) for each Tank (T-1161 and T-1163) at the bottom, middle and top. An additional temperature solely for monitoring each tank is not necessary. The additional alarm horn is to address a greenbook regarding the inability to hear the WaterGlass Alarm Horn from Inside the building when the roll-up door is shut. (The other alarm horn is mounted externally on the building).	Outside URRS - WaterGlass	ISA-15 URRS Wastewater Treatment System	Barber, Kevin E
13068	Remove Obsolete Air and DI Water Lines at Cylinder Wash	Remove Obsolete Air and DI Water Lines at Cylinder Wash	The lines are no longer in service and have been identified as a safety hazard by Green Book #28970.	UF6 Cylinder Wash	ISA-09 UF6 Cylinder Wash	Eddy, Margaret R
13069	GE Series 90 Micro PLC Substitution	The GE series 90 Micro PLC is obsolete, GE released a new model line to replace these units years ago. The replacement units are GE Versamax Micros. This CCF will allow us to add GE Versamax Micros to MCP-212174 Electrical and Instrumentation Substitution Procedure.	The existing series 90 Micro PLCs are no longer available, and are not compatible with the newer programming software.	Plantwide, add to substitution Procedure	Miscellaneous	Page, Scott C
13071	Hang Chem Lab Safety Banner	Hang a banner outside the Chem lab door by Conversion line 4. The banner will be hung with a metal bracket, on the 2" silver pipe that is closest to the Chem lab wall. As you face the Chem lab wall from the Conversion line four, the banner should be hung from the first available point on the pipe to the left of the pneumatic shoot that goes to HP. There is a PDF attached that contains two pictures indicating the exact location the banner should be hung.	The purpose is to show personnel in the plant that the Chem lab was successful in their safety review.	2" silver pipe that is closest to the Chem lab wall outside the QC lab by Conversion Line 4, starting on the first available point on the pipe to the left of the pneumatic shoot (that goes to HP).	ISA-18 Laboratories	Leong, Jeffrey S

CCF Number	Title	Description	Justification	Location	ISA ID	Engineer
13072	CO2 Testing on 2A Sintering Furnace	1. Install dew point analyzer removed from 4A in 2A furnace. Ref. For Construction Dwg 322F01PI01, Sht 01 - 03 for dew point analyzer installation. 2. Install temporary CO2 supply system to 2A furnace and perform product testing using CO2 instead of H2O. The furnace controls will allow the introduction of CO2 in the same manner as H2O is currently introduced(only above 1090 Deg. C). The saturator system will be isolated mechanically and electrically during the test. Ref. For Construction Dwg 322F01PI03, Sht 01 and 02 for the temporary CO2 system.	1. Dew point analyzer is required to monitor dew point before, during and after testing as required. When not in use, the dew point analyzer will remain connected to the furnace mechanically, but will be unplugged from 120 VAC source when not in use. 2. To perform initial testing to determine CO2 effects on sintering. The long range goal is to eliminate the H2O saturation system, possibly decrease sintering temperate and possibly decrease furnace push cycle. When not in use, the CO2 supply system will be disconnected mechanically and electrically.	ADU Pelleting \ 2A Sintering Furnace	ISA-08 Pelleting	Vining, George E Jr
13073	Modify VB6 Transactions	Remove the check to ensure the number of MM1 samples equals the number of MM2 samples associated with an item.	The new edit check will ensure there is at least one of each moisture sample type associated with all of the items. The ITR states the code change does not affect the associated SSC, but the SSC will be verified once the change is put into place. A copy of the modified code is attached.	Champs VB6	ISA-05 ADU Bulk Powder Blending	Hudson, Christopher W
13074	Modify x-02 Passive Overflow Hood On Lines 3 & 4	Replace notched door with an un-notched door and cut (2) 4x2 notches in the back to accomodate draining the hood. The existing pool depth of two inches in the hood will not be altered.	The current drain notch on lines three and four are facing the main aisleway and there is a potential to spray UO2F2 out of this hood when the column overflows. Putting the notches in the back of the hood will force solution away from the aisleway. This modification will fix one of Conversion's top five safety hazards.	Conversion Lines 3 & 4	ISA-03 ADU Conversion	Hudson, Christopher W
13075	Aqueous Ammonia Filter FL-3B Elimination	Eliminate aqueous ammonia filter FL-3B and associated piping on the feed line between T-3 tank and the T-20 tank.	The filter is an older style and not needed. There are aqueous ammonia filters on the T-2, T-3 and T-4 tanks as well as the T-20 and T-19 tanks. Additional fittings are potential leak sources and the filter style is older and being replaced with newer Parker filters.	URRS - Outside - Tank Farm	ISA-06 Chemicals Receipt, Handling and Storage	Trayers, Michael E
13076	T-3 Tank Area Aqueous Ammonia Piping Modifications	Modify piping in the T-3 tank area to remove obsolete lines.	Remove obsolete lines and potential leak sources and improve operator access to the P-3A and P-3B transfer pumps.	URRS - Outside - Tank Farm	ISA-06 Chemicals Receipt, Handling and Storage	Trayers, Michael E

CCF Number	Title	Description	Justification	Location	ISA ID	Engineer
13077	Lime Slaker Sump Installation	Installation of a new sump below the lime slaker.	The current sump is located outside the lime slaker building and collects rain water and whatever else gets washed into it which is then pumped back into the lime surge tank.	URRS - Outside - Slaker Building	ISA-06 Chemicals Receipt, Handling and Storage	Trayers, Michael E
13080	IFBA FA3 Floor Recoating Including Plastic Containment Curtain	Installation of a temporary fire retardant plastic curtain around the IFBA mop water and boron stripping areas for refurbishment of the floors. Floor refurbishment to include grinding the existing floor coating and repairing concrete and then applying a chemical resistant epoxy floor coating.	Floors in areas and degraded and containment is needed for preparation and grinding activities for coating the floors.	IFBA - FA3 Waste Processing	ISA-14 IFBA Processing	Trayers, Michael E
13082	replace s2a2b filter housings	The S2a/2b pumps currently send fluid through a bank of 3 cartridge filter housings. These will be replaced with a bank of 3 bag filter housings, and will include an air blow down. VENT-S2A2B-119 (in RA-108-9) will need to be re-written per new crit requirements.	The cartridge filters are hard to get to when they need to be changed out, and have had some leaks.	S2a/2b filter housings	ISA-01 Plant Ventilation System	Dudas, Lisa M
13083	CL1 Dryer Paddle Clearance Modification	Increase the current 0.250-in. radial clearance between the ID of the dryer shell and the tip of the paddles to 0.450 inches on CL1.	This change is to alleviate continued issues with dryer rumbling and low bulk density.	CL1 Dryer	ISA-03 ADU Conversion	Weathers, Stephen H
13084	Demo Centac Compressors	This CCF will cover demolition of Centac Compressors #1 & #2, and the east air dryer unit in outside compressor room next to boiler house. Chilled water supply piping to be removed back to compressor room entrance location. Electrical is already disconnected on compressors, but electrical power to dryer will be removed per this CCF. All air piping associated with compressors and east dryer unit to be removed.	Demolition of old equipment in preparation for installing new compressor and dryer unit per Project EF-12304.	Outside Compressor Room	Grounds	Knight, Christopher S
13085	Rotating Whiteboard on Pellet Lines	A 4-sided hollow whiteboard box on casters to be used for recording short-interval control data on the pellet lines.	The area is attempting to introduce better short-interval control. The rotating whiteboard allows for a compact display of data that can fit on most parts of the pellet line. Attached to the CCF is product information. No drawing is to be edited as this is not equipment with a permanent location.	Pellet Production Floor	ISA-18 Laboratories	Amormino, Sean T
13086	Line 3 seal weld rotation air line	A 1" to 1/4" reducer, valve, filter and regulator will be added to the main plant air supply line for the tray indexers. This line will feed the seal weld electrode rotation tooling being provided by tooling.	NA	ADU Rod Line 3	ISA-10 ADU Rods	Davis, Alicia D

CCF Number	Title	Description	Justification	Location	ISA ID	Engineer
13087	Line 4 seal weld rotation air line	A 1" to 1/4" reducer, valve, filter and regulator will be added to the main plant air supply line for the tray indexers. This line will feed the seal weld electrode rotation tooling being provided by tooling.	NA	ADU Rod Line 4	ISA-10 ADU Rods	Davis, Alicia D
13088	Neptune ICP Mass Spectrometer Electrical Pre-Work	This CCF covers the electrical engineering and pre-work tasks prior to the installation of the Mass Spec Instrument. It will include installation of utilities and site prep prior to the arrival of the mass spec instrument. Some of the work will occur above the ceiling tiles inside the Chem Lab.	Ensure the chemical lab area is appropriately prepared for instrument installation.	chem lab	ISA-18 Laboratories	Lundy, Kevin J
13089	Neptune ICP Mass Spectrometer Installation	<p>A new Neptune Mass Spectrometer will be installed in the Chemical Lab. This CCF will identify the location of new equipment and connection to new utilities. The equipment will be assembled by the manufacturer's service engineer with assistance from Gregs Construction. Gregs construction will connect the new equipment to the utilities. WEC chemical lab chemists will assist the service engineer on the checkout and startup of the new equipment. After the equipment has been checked out for operation by the service engineer, the equipment will be turned over to the chemist. After the CCF is approved for startup, the chemist will perform qualification testing using SNM standards that are used for the other Chem lab mass specs. This CCF will include installation of a nitrogen bottle near the equipment.</p> <p>This CCF will include filling the heat exchanger systems tied to this equipment with distilled water.</p> <p>The new utilities required for the installation and startup of the new Neptune mass spec will have been installed and approved for operation under the following CCFs.</p> <p>Electrical Power - CCF 13-088. Complete.</p> <p>Argon Gas Service - CCF 13-187. In progress</p> <p>Ventilation ductwork - CCF 13-204. In progress.</p> <p>Remove VG-2 electrical service and equipment and update the CSE. All equipment is removed. The CSE update has been submitted to EHS for approval.</p>	<p>This is an approved capital project.</p> <p>TI-12513, Mass Spectrometer Replacement.</p>	chem lab	ISA-18 Laboratories	Frye, Lester C
13090	PLN2 Vacuum Blower Upgrade	<p>Replace the obsolete vacuum blower with a Spencer unit used on pellet lines 3 - 6.</p> <p>Similar changes to CCF 12737.</p>	The current unit is obsolete (1 spare).	Pellet Line 2 Vacuum Blower (under Tray Stacker)	ISA-08 Pelleting	Edwards, Logan W

CCF Number	Title	Description	Justification	Location	ISA ID	Engineer
13091	Install White Board in the QC Chemical Lab	Install a white board on the wall in the first room of the QC Lab. See attached picture for exact location of the white board.	The white board will be a tool used for shift turnover information.	The west wall in the QC lab room which is closest to Waste Treatment room. See attached picture for exact location.	ISA-18 Laboratories	Leong, Jeffrey S
13092	Non-Fuel Lathe Assembly and Installation	Replace existing Harding type lathe with a standard Westinghouse pneumatic type lathe	Improved ergonomics and safety	CCCF, Mechanical, Non-fuel	Clean Side Rod Area	Strimple, David C
13093	Install Drains in 706 Blue M to comply with SSC URSSCRP-141 and URSSCRP-166	Install Drains in 706 Blue M to comply with SSC URSSCRP-141 and URSSCRP-166	<p>In order to implement the CSE and allow processing of IFBA filter press cleanout in the hood, a second drain must be added to the 706 M Hood per the following control:</p> <p>The 706 hood shall be equipped with more than one, independent (from SSC URSSCRP-141) drain (or open drain path) installed such that solution (water, etc.) cannot collect deeper than 5.08 cm (2 inches).</p>	Solvent Extraction Blue M	ISA-04 Safe Geometry Dissolver	Eddy, Margaret R
13094	Lower Core Plate Assembly for 8 ft VIPER test	A new lower core plate and stand-offs are being designed for a VIPER test involving an 8ft assembly. Lower core components drawings need to be created and components manufactured and a VIPER assembly drawing needs to be created. This CCF is to design, manufacture and install the components for testing an 8' assembly.	For testing short 8 ft bundle in VIPER loop	VIPER Loop	ISA-18 Laboratories	Owens, Michael D

CCF Number	Title	Description	Justification	Location	ISA ID	Engineer
13095	Line 1 SIS - Nitrogen Purge Mode for UF6 Lines	Add a nitrogen purge mode to the Line 1 SIS so that the UF6 lines can be purged if a unexpected shutdown occurs.	<p>Operations currently has this mode of operation in the WonderWare but it was not installed in the SIS. This mode will allow trapped UF6 to be transfered to the hydrolysis column without DI water flow for 10 minutes to allow safe shutdown of the process. Leaving UF6 trapped between the vaporizer and x02 column could have undesireable affects if left there for extended peroids of time.</p> <p>Create new SSC ADUHYD-914 for this mode of operation.</p>	Software in Line 1 SIS	ISA-03 ADU Conversion	Batten, Alan C
13096	Modify Substitution Procedure for Motors	Modify Substitution Procedure MCP202174 section II. 5.0 to include Motors configured to minimize Electrical Fluting from VFDs.	<p>The fast switching speeds of todays gate transitors in VFDs tends to induce voltage into the armature of the motors. The discharge of this potential through the bearings can cause reduced life expectancy of the bearings.</p> <p>There are several methods of dealing with this issue: see attached proposed change to the Motor section of MCP-202174. This CCF will allow us to substitute theses types of motors or have our motors modified to incorporate these changes.</p>	Modification of MCP-202174, plantwide	Grounds	Page, Scott C
13098	Universal Waste Storage	Relocate light bulbs from the Mechanical Side Electrical Shop and from under stairwell of Product Storeroom platform to maintenance closet on the main aisle leading to maintenance office.	Potential breaking of the bulbs due to the congested area. Relocation of bulbs will allow a safer and easier access to bulb/area.	Maintenance Aisle Closet	Grounds	Wright, Kendrick
13099	Install screws in protective SS plate	Install screws in the stainless steel plate that runs along the underside of the support channel to prevent the stainless from covering the zirc clean out ports.	In November 2012 a zirc fire occured because the clean out port was blocked by the protective sheet. The addition of the screws(4 total infeed and outfeed on both channels) will prevent recurrence.	IFBA line 7 PGS channels "A" and "B" infeed and outfeed	ISA-12 IFBA Fuel Rod Manufacturing	Craig, Brian M

CCF Number	Title	Description	Justification	Location	ISA ID	Engineer
13101	Demo Line between V-412 and S-431	Remove process line between V-412 and S-431 scrubber. This will eliminate the need for SSC ADUSCR-401 and ADUSCR-902. Remove the following valves which are in the process line XV-412A, XV-412D and LCV-431C. LT-412A will no longer be safety significant. Level control for the scrubber will be maintained by the crossover nozzle solenoid valves for DI water addition. The SSCs ADUSCR-401 and ADUSCR-902 will be removed for this Line since they are no longer needed.	Removing the process line eliminates the hazard of adding air to the scrubber from the P-412A/B. These SSCs can be eliminated if the line is removed.	ADU Line 4 Scrubber	ISA-03 ADU Conversion	Batten, Alan C
13102	Sintering Furnace 1B Power Relocation	Fabrication and installation of a new control panel to relocate the 480v power controllers and associated equipment from the furnace.	The 480v power controllers and related equipment are installed behind lift-off panels along the furnace sidewalls. This installation presents several safety issues. Access to the equipment is not restricted nor protected by a mechanically-interlocked disconnect. The placement (a few feet off the floor) makes maintenance work difficult and dangerous. There is also the potential for water to be present on the floor and on the equipment, further endangering maintenance electricians and technicians. In this project the controls will be moved to standard NEMA12 control panel(s) located at the furnace side near the load end.	Pellet Sintering Furnace 1B	ISA-08 Pelleting	Smith, Kerry W
13103	PWR Drag Pit Foreign Material Barrier	Install Stainless Covers over cross beams located in the drag pit.	Keep paint chips from coming in contact with fuel	Drag Pit	ISA-17 Final Assembly	Stafford, Kris
13104	Grinder Hood Switch Replacement	1. Replace the hood switch on grinder line 3 with a non-contact type, such as a reflective photoeye. 2. Move the bulk-head thru holes to the rear of the hood (from the right side). NOTE: NO SSCs affected for this project.	1. The currently used switch can wear out due to high use and the key does not align perfectly with the switch block, thereby requiring the operator to line up the hood and cover for operation. The switch disconnect is also poorly placed. 2. The current location of the bulk head fittings require the operator to remove 4 tube connections when the hood is disassembled. Moving the holes to the rear will prevent extra work from having to be carried out for maintenance, cleaning, etc...	Pellet Line 3 Grinder	ISA-08 Pelleting	Edwards, Logan W

CCF Number	Title	Description	Justification	Location	ISA ID	Engineer
13105	Remove rubber boot on Plating Room Scrubber Duct	Remove the rubber boot joint on the 24 inch diameter fiberglass duct, upstream of the Plating Room Scrubber. (This rubber boot is secured using worm drive hose clamps) Couple the two pieces of duct using vinyl ester fiberglass. NOTE: The technical data sheet on the vinyl ester resin is attached.	By coupling the two pieces of duct with fiberglass instead of a rubber boot, we eliminate a chronic leak point.	Plating Room	Components	Page, Phillip B
13107	Vacuum Isolation Materials change	Replace vacuum pump vibration isolation materials on argon and helium stations. Also under this CCF, for clarification, drawings 454F08EQ01 thru 08 and on 454F04EQ06 and 454F04EQ07 will be updated to reference new light shield 454F08EQ10, being installed under CCF-13053.	Vibration from vacuum pumps appears to be affecting barcode reader consistency. New materials will better isolate the vibration of the vacuum pump from the structure for the cameras.	Oxide Coater 2	Clean Side Rod Area	Davis, Alicia D
13108	Helium Compressor Removal	Remove the helium compressor system owned and installed by Air Products.	Unit is out of service.	URRS - Outside - Helium Storage System	ISA-06 Chemicals Receipt, Handling and Storage	Trayers, Michael E
13109	Expand Fence Around Bulk Hydrogen Storage System	Expand the fence around the bulk hydrogen storage system. Move the west fence side out 10 feet.	To allow for access around new hydrogen vaporizer being installed under CCF 13079.	URRS - Outside - Hydrogen Storage System	ISA-06 Chemicals Receipt, Handling and Storage	Trayers, Michael E

CCF Number	Title	Description	Justification	Location	ISA ID	Engineer
13112	Oxide Coater #1 Electrical Upgrade Pre-Work	<p>The scope of this job is to continue various conduit runs, install a new 480VAC conduit, a new 120VAC UPS conduit, and pull cables and wires on Oxide Coater #1 during a short downtime window, 3 days. This scope is Pre-Work which consists of installing these items to existing equipment in advance of another downtime window. These items will be mounted to existing equipment. None of the items will be terminated to electrical or pneumatic power sources at this time. The field location of the items will be determined by the project engineer and peer checked by the area engineer to ensure they do not interfere with the operation of the existing equipment. These items consist of the following:</p> <ul style="list-style-type: none"> - New 480VAC power feed from PP10D - New UPS 120VAC power feed from URP-10D. - Various conduit runs and pulling cable and wires for Power and Ethernet cables to Turck Blocks, SMC manifolds, Allen Bradley FLEX I/O cabinets, E-Stop switches and various electrical boxes, as time permits. None of the items will be terminated to electrical or pneumatic power sources at this time. <p>After the work is completed, this CCF will be approved for start-up and closed. The next scope of work will be done under a new CCF during the next downtime window.</p>	This is an approved capital project (AR TI-12502) to replace the Oxide Coater #1 control system. Due to high production demands, the full scope of the job cannot be done during one long extended downtime window. This work will be done in phases in multiple short downtime windows via the TA-500 CCF process for each scope of work.	Tube Prep Oxide Coater #1	Clean Side Rod Area	Stefan, Nick
13113	Cleaning Station and Lift Point Modification	<p>Cleaning station grid laser scrubber mounting frame to be modified to fit the caster foot print on all scrubbers.</p> <p>Modify spare laser Welder Ruwac Scrubber to match existing scrubbers.</p> <p>Install guard at all laser welder scrubber recirculation filters.</p> <p>Install Lifting device for filter change on all Ruwac Scrubbers</p>	Safety and to update spare laser welder scrubber	Plating Room	Components	Stutts, Roy D
13114	Add Heat Tracing to Sprinkler Risers in Dock4	<p>Add Heat Tracing to Sprinkler Risers in Dock4. This project will include replacing the existing transformer with a transformer/RP panel to provide 110vac for the heat tracing.</p> <p>As part of this project we will remove an abandoned Receptacle Panel in the room beside the hand wash station at the Dock. No Circuits are being used on this Panel and it should not be fed from this circuit. This panel is not shown on any drawings and is not labeled.</p>	Heat Tracing will be added to prevent pipes from freezing. The RP panel will be removed as a best practice.	Dock 4 Outer Roll Up door area	Grounds	Page, Scott C

CCF Number	Title	Description	Justification	Location	ISA ID	Engineer
13115	Alternative use of different shim plate thickness and material for the ADU Conversion Hot Oil Dryers discharge end mounting support	It is desired to use shim plates on the discharge end mounting support of the ADU Conversion Hot Oil dryers with thickness that could vary in the range of 0.125 inches to 0.375 inches thick and the alternate use of material of either 304 SS or Teflon.	To allow proper thermal growth of the dryer shell during operations.	ADU Hot Oil Dryers	ISA-03 ADU Conversion	Chan, Fernando E
13116	2A Furnace Piping Modification	1. Add valve at unused gas inlet port. Valve will be plugged. 2. Remove old dew point analyzer and plug valves.	1. Provide valved connection for future use 2. Old dew point analyzer is unused. Also to provide valved connection for future use. Note: This work is being done to provide connections for future CO2 testing per CCF 13072.	ADU Pelleting \ 2A Sintering Furnace	ISA-08 Pelleting	Vining, George E Jr
13118	Drag pit floor covers	Fill in the open spaces around the QC envelope fixtures located in final assembly	Currently a safety hazard because of large openings in the grating	envelope fixtures 1 and 2	ISA-17 Final Assembly	Stafford, Kris
13120	Add Restricting Flow Orifice in Water Line to Dirty Dissolver Centrifuge	Add Restricting Flow Orifice in Water Line to Dirty Dissolver Centrifuge	This orifice will provide the appropriate amount of flow to the centrifuge and allow for discontinued service of the water flow nozzle internal to the centrifuge if warranted.	Dirty Dissolver	ISA-04 Safe Geometry Dissolver	Eddy, Margaret R
13123	ADU Rods Tube Cart Transport cover	Currently Tube Carts are covered with Polyethylene, would like to have the option of using the fabric Herculite to cover carts. This cover is needed for FME concerns of getting inside tubing cart.	The justification for using Herculite is the material is more robust and will last longer. Change out of cart covers are very time consuming and it takes away manpower that is needed for productions on floor.	ADU Rods (all lines)	ISA-10 ADU Rods	Simons, Erby R
13124	F1168 Gearbox Replacement	Replace the T15 Dodge gearbox with the replacement model TXT505A. There are no drawings specifying the gearbox.	T15 gearbox is obsolete. The TXT505A is the replacement model. The F1168 filter operations is scheduled to restart operations.	URRS - Waterglass - F1168	ISA-15 URRS Wastewater Treatment System	Trayers, Michael E
13125	Removal of Vibratory Deburr Machine	With this CCF, we will remove the Tool Room Vibratory Machine, associated electrical controls and electrical service.	This equipment is no longer in use. The area where this equipment is located will be converted into a laydown area for Planning and Maintenance Eng. Dept.	Machine Shop	Grounds	Parker, James A
13126	4A Furnace Dew Point Analyzer Removal	Remove dew point analyzer from the 4A furnace. The port from which the dew point analyzer sensor was removed will be plugged. The valve used to isolate the sensor will be left in the closed position.	Dew Point analyzer is needed for CO2 test on the 2A furnace.	ADU Pelleting \ 4A Sintering Furnace	ISA-08 Pelleting	Vining, George E Jr
13127	Relocate Hazardous Waste Satellite Area #1 to Refurbishing Building	Relocate Hazardous Waste Satellite Area #1 to Refurbishing Building.	Former Satellite Area #1 was located in Final Assembly. This storage area is no longer needed.	Refurbishing Building (Hot House)	Grounds	Eddy, Margaret R

CCF Number	Title	Description	Justification	Location	ISA ID	Engineer
13129	Install Mechanical Upgrades to Line 4	<p>Install safety Level transmitters on V-405, V-402 and V-406. Install safety flow transmitter on DI water to V-402 and recirculation flow to V-402. Install isolation valves in lines from V-406 to V-405, V-402 to V-405, Nitric Acid to V-405, DI water to V-405 and Ammonia to V-405. Install isolation valves to inputs to V-406. The isolation valves will be left in the open position and activated under a later CCF. Activation of new safety transmitters will be covered by a separate CCF.</p> <p>Similar to changes made on CCF 10-762, 11-463, 09-727, 10-005 and 11-461</p>	<p>Install mechanical changes to allow implementation of a safety plc on line 4. Activation of new safety transmitters and control valves will be covered by a separate CCF.</p>	V-402, V-405 and V-406	ISA-03 ADU Conversion	Walker, Barney W
13130	Blue M oven floor supports	<p>Allow jack stands to hold up the Blue M oven floor to be placed in the element chambers of the ovens as needed.</p> <p>This is similar to changes made on CCFs 09677, 09499, and 09221.</p>	The floors of the ovens tend to fall down over time and this causes the elements to short out.	scrap reprocessing area	ISA-19 Hoods and Containment	Stafford, Kris
13131	Addition of Chem Lab UPS (UPS #5)	Add a UPS in the circuit to the new RP Panel located in the Chem Lab.	The power feeding the Chem Lab has to maintain a tight voltage tolerance due to the sensitivity of the connected equipment. By installing a UPS (which generates its own regulated AC) the output voltage will be within the expected tolerance required by the equipment.	Mechanical Side (behind Chem Lab)	ISA-18 Laboratories	Barber, Kevin E
13134	Implementation of Line 8 Girth Welder Motor	Perform final checkout, programming and mounting the motor. The demolition of old drive and electrical components will also be completed. This work will complete the scope of the project started under CCF 13001. (Line 8 Girth Welder Motor Replacement)	The primary work performed on CCF-13001 required connecting to existing power and IO on Line 8. This allowed testing and preliminary work to be performed with limited down time on line 8. To complete the installation this CCF was created for final install, checkout, and demolition.	Rod Line 8 Girth Welder Motor	Clean Side Rod Area	Lowe, Vernon E
13135	Temporary installation/removal of plastic sheet on ADU rod lines	<p>After all rods have been removed from the lines.</p> <p>Install fire retardant plastic sheeting over ADU rod lines 1-4, or any subset thereof, to complete work overhead. Remove plastic once all overhead work is complete</p>	Required by CSE-99-G	Lines 1-4 in ADU Rods	ISA-10 ADU Rods	Davis, Alicia D
13137	Use polyester netting to seal Polypak carrier	Use polyester netting with 1 1/4 inch mesh size to seal polypak carrier to ease inventory.	This will allow the paks to be scanned in the carriers and sealed, eliminating the need for the inventory team to scan each pak on inventory day.	LLRS	ISA-13 Low Level Radioactive Waste Processing	Chiu, Jessica S

CCF Number	Title	Description	Justification	Location	ISA ID	Engineer
13139	Relocation of T-1124 Level	Cutover LI-1124 level from TDC Box 30 to Misc C200	TDC controls are obsolete and being replaced with C200 controls	Outside URRS - Tank Farm	ISA-06 Chemicals Receipt, Handling and Storage	Barber, Kevin E
13140	Relocation of T-1123 Level	Cutover of LI-1123 from TDC Box 30 to Misc C200	TDC controls are obsolete and being replaced with C200 controls	Outside URRS - Tank Farm	ISA-06 Chemicals Receipt, Handling and Storage	Barber, Kevin E
13141	Moisture trap Gas Purifier replacement for Helium line Analyzer	This CCF will allow us to use a SGE Analytical Science Moisture trap model 103487 in place of the obsolete storeroom number 267076 (Swagelock Model T3AR MOLECULAR SIEVE TRAP.)	The existing swagelock item is obsolete and no longer available	Helium Storage; instrument is located in WT inst. shop.	Miscellaneous	Page, Scott C
13143	Provide split air feed systems to Channel A and Channel B of Gamma Scanner #4	Currently, the air supply to both channels of Gamma Scanner #4 are fed from the same regulator. This CCF is requesting to split the air feed so that each channel can be independently adjusted, especially the pinch roller function which is air operated.	The pinch roller function on Channel A is different than the pinch roller function on B (one is a double acting air cylinder, the other a single acting air cylinder after a developmental design was installed) and the independent adjustment would be ideal to optimize the operation.	Gamma Scanner #4 rod transport system	ISA-10 ADU Rods	Sinegar, Jill G
13145	Line 3 Pelleting Oven/Hood duct modifications	Line 3 and 4 Oven/Hood equipment is being replaced. The Line 3 replacement hood/oven duct will require modifications because it can not be located in the same footprint as the old unit. The hood for this line will be a foot wider and have a guillotine oven door that requires about 10 feet of vertical clearance. The Line 4 Oven/Hood will not require duct modifications because the ventilation duct connection point will be in the same location as the old unit.	The replacement Line 3 Oven/Hood will require duct modifications because it will not be in the same location as the old unit.	Pellet Area Line 3 Hood/Oven duct work	ISA-08 Pelleting	Walker, Barney W
13147	Add optional cart handle to both ends of ADU tube carts	Add pivoting cart handle that provided 2 different heights to both ends of ADU tube carts	Depending on the height of the operator the current handle height requires the operator to lean over to reach it to push the cart.	ADU area	ISA-10 ADU Rods	Davis, Alicia D
13149	Add Transmitters to MCP-202174 Substitution Procedures	Add Transmitters to MCP-202174 Substitution Procedures	The plant has many older transmitters, when they fail the replacement often has to be a newer model due to obsolescence. This CCF will allow a Maintenance or PSE control engineer to substitute the transmitter after evaluating and documenting the the process requirements and transmitter specifications.	Etaps Substitution Procedure MCP-202174	Grounds	Page, Scott C

CCF Number	Title	Description	Justification	Location	ISA ID	Engineer
13150	Remove UT reject sensor at AVIS on line 9	Remove sensor at AVIS that is now unused.	The sensor was previously used to prompt the tube to skip AVIS inspection if it had been rejected at UT and driven back further upon exiting the UT. We have changed this so we use the pushers at the weigh scale to push the rejects out.	Tube Prep Line 9	ISA-10 ADU Rods	Davis, Alicia D
13152	Upgrade Motor and Control on Pelleting Line 3 and 4 Torits	The motors on Pelleting Lines 3 and 4 Torit Fans need upgraded to provide for more air flow. These fans and torits provide ventilation for the presses, oxidation ovens, and powder preparation. This CCF will replace the existing 10 HP motor with a 15 HP motor on lines #3 and #4 Torit exhaust blowers. This scope includes mechanical work (under another CCF) to remove the existing two (2) motors, modify the two (2) existing motor bases, and install the two (2) new motors. The existing Torit control cabinet will have a component removed and a separate control panel will be installed with new VFD to support the new larger motor.	New oxidations ovens are to be installed later in the year and the hoods that support those ovens require more ventilation to maintain sufficient airflow and velocity. The current system is on the edge of meeting the requirements with the current hoods. The old electrical panel needs unused components removed. Installation of new VFD is best accomplished by installing a new panel.	Pelleting Lines 3 and 4 Front End	ISA-08 Pelleting	Lowe, Vernon E
13153	Spiking Station 2 Modifications Per Toshiba Audit	1. Install new AOD pumps. 2. Install inline "Y" strainer in UN feed line.	1. The new pumps do not have bands that hold them together, therefore, eliminating an existing leak point. This modification will resolve one of the issues identified in the last Toshiba audit. 2. Debris is often found within the UN line causing the pumps to stop recirculating. This "Y" strainer will provide collection point and a method of quickly cleaning the line.	HF Spiking	ISA-03 ADU Conversion	Hudson, Christopher W
13154	B4C Pellet loading table	A redesign of the B4C pellet loading table has been completed. This new table will replace an existing table in the WABA room. Also, a new table to hold the rod cookie sheet will be moved from a testing area and placed next to the loading table. Neither of these tables will be bolted to the floor.	The new Loading table and cookie sheet table will aid in loading B4C pellets into Non Fuel Rods. Neither of the current tables have been moving in 4 years, but if we no longer make rods with B4C pellets then table can be moved from the area.	Inside and outside WABA room	Clean Side Rod Area	Winegardner, Julia S

CCF Number	Title	Description	Justification	Location	ISA ID	Engineer
13155	Installation of Automatic Transfer Switch and Ethernet Switch in Stills Control Room	Install a 120VAC Automatic Transfer Switch in the Stills Control Room. This will feed a new network switch (for the PCN) which is being installed and the Stills Process Computers and Monitors. UPS power connection (2nd connection to the switch will be performed under a separate CCF)	Need to insure that power is available to the process when external power is lost and when UPS power is being repaired. Network switch will also allow for local connections rather than using fiber for individual connections (the small fiber to copper converters for individual connections are unreliable)	Outside URRS - Grounds Stills Control Room		Barber, Kevin E
13156	Installation of Automatic Transfer Switch in WaterGlass Instrument Shop	Install a 120VAC Automatic Transfer Switch in the WaterGlass Instrument Shop Network Cabinet. This will feed power to the existing switches in the cabinet.	Need to insure power is available to the network switches to insure that communication paths are available upon normal power failure or upon loss of UPS power.	Outside URRS - ISA-15 URRS WG Instrument Shop	Wastewater Treatment System	Barber, Kevin E
13157	CAAS Loop 16 change horns to 120vac	On CAAS Loop 16 replace the 24vac operated horns with 120vac horns. The area of the plant that is serviced by this loop is the Low Level Waste Storage Building. 3 additional horns will be added to cover the areas of Greg's Construction Shop, Tractor Shed and the Butler Building.	The CAAS has areas in the plant that cannot hear the horns; this project is a continuation of our efforts to address this issue. The current horns use 24 vac. With the long distances that many of these horns are from the front desk, there is a significant voltage drop to the affect that the outlying horns do not operate at their peak sound levels. By increasing the voltage, the voltage drop will not be as much of a factor. In addition; the 120vac rated horns use 1/3 of the amperage than the current 24vac horns. This will allow us to easily add additional horns on the existing loops. This phase is a continuation changes of the replacement of the horns as we did on CAAS Loop 5 under CCF 12628. Please see the ITR on the attached PSEDoc0001260.	South Plant Grounds	Grounds	Gantt, Stephen G

CCF Number	Title	Description	Justification	Location	ISA ID	Engineer
13158	Additional Weight Standards Storage on Front End	<p>Install an additional weight standards box on the front end of each line near the computer station. This box will be identical in dimension to the existing weight standards box found at the D&V hoods.</p> <p>The box dimensions are 12"x6"x6". It is fabricated with .07" thick type 304 stainless steel. All boxes have a hinged top lid. 3 1/8" holes are drilled in the bottom of the box.</p>	<p>An NRC finding noted that a set of weight standards was missing and the box left open. Further investigation determined that the cause was that a set of standards was left on the front end of a line during a check. Adding an additional set of weight standards would mitigate this risk.</p>	Line 1-5 Oxidation Computer Station	ISA-08 Pelleting	Amormino, Sean T
13159	CAS LOOP 8A HORNS CONVERT TO 120VAC	<p>On the criticality alarm system, (CAS) on Loop 8A replace the 24vac operated horns with 120vac horns.</p> <p>The area of the plant affected by this work are the outside areas overlooking the modular offices and the 3rd floor office area in the SE Expansion.</p>	<p>The CAS has areas in the plant that cannot hear the horns; this project is a continuation of our efforts to address this issue.</p> <p>The current horns use 24 vac. With the long distances that many of these horns are from the front desk, there is a significant voltage drop to the affect that the outlying horns do not operate at their peak sound levels. By increasing the voltage, the voltage drop will not be as much of a factor.</p> <p>In addition; the 120vac rated horns use 1/3 of the amperage than the current 24vac horns. This will allow us to easily add additional horns on the existing loops.</p> <p>This phase is a continuation changes of the replacement of the horns as we did on CAS Loop 5 under CCF 12628.</p> <p>The attached PSEDoc0001238 contains the ITR.</p>	Outside overlooking the modular offices	Grounds	Gantt, Stephen G

CCF Number	Title	Description	Justification	Location	ISA ID	Engineer
13160	CAAS LOOP 8 HORNS CONVERT TO 120 VAC	<p>On the criticality alarm system, (CAAS) replace the 24vac operated horns with 120vac horns.</p> <p>In addition to replacing the horns, we will also be adding horns in the Erbia Men's change room, outside of Substation 1 building, IFBA Chem. Lab and the South Compressor room. Strobe lights will be added to the South Compressor Room, and the Generator Room in the Substation 1 Building.</p> <p>The areas affected by this work is in Erbia, South Compressor Room, IFBA and outside by the UNH Pad.</p> <p>The ITR is attached.</p>	<p>The CAAS has areas in the plant that cannot hear the horns; this project is a continuation of our efforts to address this issue.</p> <p>The current horns use 24 vac. With the long distances that many of these horns are from the front desk, there is a significant voltage drop to the affect that the outlying horns do not operate at their peak sound levels. By increasing the voltage, the voltage drop will not be as much of a factor.</p> <p>In addition; the 120vac rated horns use 1/3 of the amperage than the current 24vac horns. This will allow us to easily add additional horns on the existing loops.</p> <p>This phase is a continuation changes of the replacement of the horns as we did on CAS Loop 5 under CCF 12628.</p>	Erbia, IFBA, by UNH Pad	Grounds	Gantt, Stephen G
13161	CHANGE CAAS LOOP 7 HORNS TO 120VAC	<p>On the criticality alarm system, (CAAS), Loop 7, replace the 24vac operated horns with 120vac horns.</p> <p>The area of the plant that is serviced by this loop is roughly ERBIA, IFBA, UF6 Bay. For additional information please see drawing 504F03EL01-5 Rev. C1 on the attached ITR.</p> <p>A new UPS 120vac circuit will be utilized to power this loop. This will lower the demand of the existing circuit, while allowing for future expansion of this loop.</p>	<p>The CAAS has areas in the plant that cannot hear the horns; this project is a continuation of our efforts to address this issue.</p> <p>The current horns use 24 vac. With the long distances that many of these horns are from the front desk, there is a significant voltage drop to the affect that the outlying horns do not operate at their peak sound levels. By increasing the voltage, the voltage drop will not be as much of a factor.</p> <p>In addition; the 120vac rated horns use 1/3 of the amperage than the current 24vac horns. This will allow us to easily add additional horns on the existing loops.</p> <p>This phase is a continuation of changes for the replacement of the horns as we did on CAAS Loop 5 under CCF 12628.</p>	ERBIA, IFBA, UF6 Bay, development lab	Grounds	Gantt, Stephen G

CCF Number	Title	Description	Justification	Location	ISA ID	Engineer
13162	CHANGE CAAS LOOP 9 HORNS TO 120VAC	<p>On the criticality alarm system, (CAAS) replace the 24vac operated horns with 120vac horns.</p> <p>The area affected by this work is the new expansion office area, 1st and 2nd floors.</p>	<p>The CAS has areas in the plant that cannot hear the horns; this project is a continuation of our efforts to address this issue.</p> <p>The current horns use 24 vac. With the long distances that many of these horns are from the front desk, there is a significant voltage drop to the affect that the outlying horns do not operate at their peak sound levels. By increasing the voltage, the voltage drop will not be as much of a factor.</p> <p>In addition; the 120vac rated horns use 1/3 of the amperage than the current 24vac horns. This will allow us to easily add additional horns on the existing loops.</p> <p>This phase is a continuation changes of the replacement of the horns as we did on CAS Loop 5 under CCF 12628.</p> <p>The attached PSEDoc0001247 contains the ITR</p>	New expansion office area	Grounds	Gantt, Stephen G
13163	Modify target storage on IFBA cart	Change the design of the target storage tray to allow for storage of original packing materials instead of targets that were removed. The referenced tooling drawing is attached to the DOR.	Removal of the target from the original packing had led to many cases of chipped targets resulting in lost material.	IFBA coaters	ISA-14 IFBA Processing	Craig, Brian M
13164	Relocation of Control Wiring For F-1165A	Install new wiring to control the F-1165A Filter PRes, Lube Oil Pump and Seal Pump.	Existing system uses redundant relays and these will be eliminated by directly wiring from relays in the F-1165A cabinet to the MCC starters.	Outside URRS - WaterGlass	ISA-15 URRS Wastewater Treatment System	Barber, Kevin E
13165	Installation of Award Banner	Install a 8x2ft vinyl banner across the aisleway near the pilot line. This will be across no operating equipment.	The vinyl used in the banner is uncommon in the area, so this is a precaution to ensure all safety standards are met.	Pellet Area Pilot Line	ISA-08 Pelleting	Amormino, Sean T
13166	Installation of Verizon Wireless Expansion Node	Install an external FRU node for expanding the wireless coverage area on the West and SouthWest side of the facility	Coverage is needed for communications needs at the back gate access of the facility	Outside and SOLX Areas	Grounds	Barber, Kevin E
13167	Dielectric unions to be used on city water pipe.	<p>This CCF will allow the use of dielectric unions when joining two dissimilar metals on city water piping, typically between brass and galvanized.</p> <p>This CCF will be referenced in MCP-108139, Mechanical Equipment Substitution Procedure.</p>	By installing these dielectric unions we isolate this galvanic and stray current situation and reduce corrosion of the threaded piping.	Plant Wide	Grounds	Page, Phillip B

CCF Number	Title	Description	Justification	Location	ISA ID	Engineer
13168	Install new storage unit in IFBA	New storage unit will be installed in IFBA to accomodate Cryo Pumps that are maintained as spares in the area for the IFBA Coaters. The unit has open sides and flat shelves so collection of water is not a potential.	IFBA has 6 spare Cryo pumps. These pumps are currently stored on the floor and need an adequate storage area provided.	Bay E-F and 106-107	ISA-14 IFBA Processing	Sinegar, Jill G
13169	Oxide Coater #1 Electrical Upgrade Pre-Work	<p>The scope of this job is to continue the Pre-Work for this upgrade. This will include terminating wires and cables to the MKS cabinet field located, installing the 2"x2" wire tray on the top of the Honeywell cabinet, connecting power to the electrical panels in the main cabinets and testing of devices.</p> <p>No connections will be made to the existng production equipment wiring. Testing will include power up and communication testing to PLC, HMIs, Turck remote IO blocks, FLEX IO modules, SMC manifolds, E-Stop circuit.</p> <p>No changes will be made to existing electrical connections of the production equipment.</p> <p>The next scope of work will be done under a new CCF during the next downtime window.</p>	This is an approved capital project (AR TI-12502) to replace the Oxide Coater #1 control system. Due to high production demands, the full scope of the job cannot be done during one long extended downtime window. This work will be done in phases in multiple short downtime windows via the TA-500 CCF process for each scope of work.	Tube Prep Oxide Coater #1	Clean Side Rod Area	Stefan, Nick
13170	Data Center Fire Alarm Speaker	Add a fire alarm speaker in the Data Center (Computer Room)	Under a seperate CCF, a wall is going to be installed in the Data Center to divide the area. Once this is done, personnel is one side of the Data Center will not be able to hear announcements. The addition of this speaker will alleviate this issue.	Data Center	Grounds	Gantt, Stephen G
13171	Liebert HVAC Removal	Remove the Liebert HVAC System from the Data Center	The Main HVAC (AC06) in the Data Center is to be replaced with multiple units. The redundancy of the Liebert unit will no longer be required.	Computer Room	Grounds	Gantt, Stephen G
13173	New Air Compressor Control wiring	Install system monitoring control wiring from a new air compressor to be installed in the compressor room located near Waterglass. The actual installation of the compressor will be done under a seperate CCF.	<p>This will allow the control rooms to monitor the status of the compresor.</p> <p>The old compressor is being replaced due to its age. That system did not have these monitors.</p>	Air compressor room near Waterglass	Grounds	Gantt, Stephen G
13174	New Air Compressor Power	Install 480vac power to a new air compressor and drier to be installed in the compressor room located near Waterglass. The air compressor will be installed under a different CCF.	Power to the old air compressor was removed when it was taken out of service. The new air compressor requires more power than the replacement, a larger circuit breaker will need to be installed under LOTO.	Air compressor room near Waterglass	Grounds	Gantt, Stephen G

CCF Number	Title	Description	Justification	Location	ISA ID	Engineer
13175	Install 300HP VSD Compressor & Dryer for Plant Air	CCF is to install new Atlas Copco ZR250VSD compressor and new Atlas Copco BD700+ Blower Purge Dryer in the old Centac Building. Install water filtration system for compressor cooling and all the associated air piping and valves.	Replacement of old Centac units that have been removed.	Outside Compressor Room adjacent to Boiler House	Grounds	Knight, Christopher S
13176	Installation of I/O and Power For Future Cutover of Sump Levels	Installation of hardware and power wiring to support the cutover of controls for the T-1123, T-1124, and T-1125 Sump Systems	Consolidate sump controls into a single supportable interface	Outside URRS - Sump Controls	Grounds	Barber, Kevin E
13177	Replace T1158	<p>Replace T1158, ammonia chiller compression tank, due to corrosion.</p> <p>The standard replacement tank has two less connection ports than the existing one, and adding the ports would require the vessel to get re-stamped as a pressure vessel (can't do it on site).</p> <p>Instead, we'll use the ports that contain the sight glass to also tie in the high point vent and the level sensor. Additionally, the tank will be rotated 180degrees from its current position.</p>	The current tank is corroded.	outside, near UF6 cylinder conveyor	ISA-03 ADU Conversion	Dudas, Lisa M
13178	5B Boat Inverter Bracket Modification	<p>Redesign the bracket that holds the driven and idle shafts for the boat inverter system. A similar mounting plate with larger fasteners will be used.</p> <p>No SSC's affected for this project.</p>	Although the mounting scheme works and does not contribute to any reliability items, it is not a robust enough design for rollout.	5B Boat Inverter	ISA-08 Pelleting	Edwards, Logan W

CCF Number	Title	Description	Justification	Location	ISA ID	Engineer
13180	CL1 Calciner Off-Gas Scrubber Modifications	The calciner off-gas scrubber tank to be installed on CL1 will have the following modifications compared to the one that is being removed. First, there will be lifting lugs attached to each of the top 4 corners of the tank. Second, there will be two 45 degree nozzles on the bottom of the tank instead of only one like the other tanks (for the exact location, see nozzles R1 and R2 on drawing # 334F05EQ10:02). Third, nozzle E as shown on drawing # 334F05EQ10:02 will be located 0.25 inches higher than on the existing tank.	<p>The lifting lugs are to facilitate installation and removal. The intent is for future tanks to be fabricated with these lifting lugs.</p> <p>The extra 45 degree nozzle is to allow standardization of the scrubber tank design for all 5 conversion lines. Currently some of the lines require this nozzle to be on one side of the tank, while others require it to be on the other side. The intent is for future tanks to be fabricated with both nozzles. In the future, this will also allow a generic spare tank with both nozzles to be fabricated, eliminating the need for the tanks to be custom made for each line or for this nozzle to be added immediately prior to installation. The unused nozzle will be secured with a blind flange.</p> <p>The reason for the change in location of Nozzle E was that there was an error made when the tank was fabricated. It was decided that leaving this nozzle as-is instead of removing the nozzle, plugging the hole, and reinstalling the nozzle in the correct location was the best course of action, since a new potential leak point would have been created with this repair. For additional information, see the attached e-mail and the attached nonconformance report, both from Ward Tank & Heat Exchange Corp.</p>	CL1 Calciner Off-Gas Scrubber	ISA-03 ADU Conversion	Weathers, Stephen H
13181	F1168 Lube Oil Pump Replacement	Replace the F1168 lube oil pump with a LiquiFlo H1FS16 gear pump.	The existing Meggitt gear pump has an 18 week lead time.	URRS - Waterglass	ISA-15 URRS Wastewater Treatment System	Trayers, Michael E
13182	Elimination of TDC Connection for T-1405 Level Switch	Remove the level switch connection from TDC Box 28. Although the function works, it not designed to be an alarm function, but a regular process function. Since the connection to the TDC box was originally designed for an alarm, this point will be disconnected from the TDC.	TDC Box 28 is being removed and all appropriate points are being relocated to the new C200 controller. This point is not needed in the new C200.	Outside URRS - UF6 Cylinder Refurbishment	ISA-09 UF6 Cylinder Wash	Barber, Kevin E

CCF Number	Title	Description	Justification	Location	ISA ID	Engineer
13183	Change Removable Spool to a Spectacle Blind	Currently there is a removable spool going from the V-x05 to the decanter. This CCF would allow the spool to remain in place and a spectacle blind be put in its place. This would allow operations to reverse the blind when the piping needs to be acid washed.	The blind will work the same as the removable spool piece.	Conversion Lines	ISA-03 ADU Conversion	Hudson, Christopher W
13184	Line 2 Powder Prep 3rd Level Hoist Modification Preparation	<p>'1. Re-route Line 1 & 2 laminar flow 18", 14" and 8" ductwork; re-route 4" powder lift enclosure and central vacuum exhaust ductwork; re-route air sampler line and electrical conduit; demo 2" out of service vacuum line; move existing lighting and remove out of service lighting.</p> <p>Note: Re-routing of ductwork has no effect on ventilation system - see attached PELLET LINE 2 POWDER PREP HVAC PRESSURE DROP - CUBEX.pdf file from Cubex.</p> <p>2. Design and fabricate a lift basket to be used with the 3rd Level Hoist.</p> <p>Ref. attached LIFT BASKET CALCULATIONS.pdf file for load calculations.</p>	<p>1. This is preparatory work for modifying the ADU Pelleting, Line 2 Powder Prep 3rd Level Hoist to resolve safety issues with replacing the powder lift drive and other third level components. These changes are required for clearance of the new(future) hoist boom swing.</p> <p>2. To provide a safe method to lift components to the 3rd level. The basket has been designed to handle parts as large as the roll compactor roller shaft assembly.</p>	ADU Pelleting \ Line 2 Powder Prep	ISA-08 Pelleting	Vining, George E Jr
13185	Mechanical Cooling Tower PEP Filter Controls Upgrade	Mechanical Cooling Tower PEP Filter Controls Upgrade. Complete Filter system was returned to vendor for repair and they upgraded the Control PLC.	Vender changed out PLC in the Pep filter control panel.	Outside Mechanical Cooling Tower	Grounds	Page, Scott C
13186	Install a 3 Valve Manifold Calibration Device on LI-07B	Install a 3 Valve Manifold Calibration Device on LI-07B.	This will enable the instrument technicians to properly isolate LI-07B and have the desired fittings to connect to calibration equipment.	Cylinder Wash	ISA-09 UF6 Cylinder Wash	Eddy, Margaret R
13187	Argon gas supply for new Neptune Mass Spec in the Chemical lab	<p>Add an Argon supply line with shut off valve and regulator with pressure gages for the new Neptune Mass Spec for the Chem lab.</p> <p>The new Argon supply line to feed the new Neptune Mass Spec will be tied into the existing Argon supply line that feeds the Isoprobe Mass Spec. PID 510F26PI01, sheet 5, C1 for this CCF describes the new line.</p> <p>The installation of the Neptune Mass Spec will be performed under CCF 13089.</p>	<p>This is an approved capital project.</p> <p>TI-12513 ICP Mass Spectrometer</p>	Mass Spec room	ISA-18 Laboratories	Frye, Lester C
13188	Relocation of Control for P-1123A	Relocate the controls for Sump Pump P-1123A from GE PLC to Experion C200 for Misc_C200	Level is monitored from Experion and control of pump (and alarms) would be an advantage to have in the C200	Outside URRS - Sumps	Grounds	Barber, Kevin E
13190	VG2 Mass Spec Electrical Demo	Removal of electrical service to VG2 Mass Spec and associated equipment.	VG2 is no longer in service.	Chemical Lab Mass Spec Room	ISA-18 Laboratories	Lundy, Kevin J

CCF Number	Title	Description	Justification	Location	ISA ID	Engineer
13191	Move Angle Iron Inside of The Storage Area	Move angle iron to the inside of the conversion/archive drum storage area.	There is angle iron on the floor outside of the fencing preventing the pellet carts from resting right against the fence. This is creating an extremely narrow walkway for polypak carts. Moving the angle iron to the inside of the fence will allow more room for the polypak carts to travel. This will fix an existing greenbook.	Area between Conversion and IFBA	ISA-16 Nclear Material Storage	Hudson, Christopher W
13192	Move Tool Board	Move the tool board to make room for the scrubber pump controls between lines 3&4.	Make room for pump controls.	Between 3&4.	ISA-03 ADU Conversion	Hudson, Christopher W
13193	Upgrade fixture load computer	Remove old computer cabinet and install a swing arm mounted to the wall above the scale.	Current computer cabinet is large and bulky. This change will give the operators more flexibility and room at the fixture load table.	Wall between the fixture repair room and the loading table	ISA-14 IFBA Processing	Craig, Brian M
13194	Change material of construction for line 7 end cover	Change the material of construction for the end covers on the channel rollers for line 7 from just polystyrene to polystyrene or stainless steel.	Polystyrene poses a foreign material concern for empty tubes. The location of two of the end covers on line 7 is such that the open end may contact the cover. This could lead to a foreign material inside of the tube that is undetectable. Changing to stainless steel will eliminate this risk. See CAPs 13-011-C001 for additional details.	Inside dry box tube transport	ISA-12 IFBA Fuel Rod Manufacturing	Craig, Brian M
13195	Replace AC3 Obsolete Smoke Detector	Replace AC3 Obsolete Smoke Detector	The current smoke detector on AC3 has failed and is obsolete. Simplex has offered a direct replacement part number 4098-9756	AC3 on Roof	Grounds	Page, Scott C
13196	City Water Back-up Bleed-off	Add block and bleed to City Water back-up line for the Cooling Tower water supply to the ADU Sintering Furnaces and Conversion lines.	After the performance of the City Water Back-up PM20308, there is currently no way to bleed off the water pressure prior to disconnecting the water hose. The new block and bleed system will provide a way to bleed off the pressure.	Plant Utilities \ Back-up City Water	Grounds	Vining, George E Jr
13197	Oxide Coater #1 Electrical Upgrade	The scope of this job is to upgrade the electrical controls on Oxide Coater #1. All Pre Work has been completed. This is the final install.	This is an approved capital project (AR TI-12502) to replace the Oxide Coater #1 control system. Due to high production demands, the full scope of the job cannot be done during one long extended downtime window. This work will be done in phases in multiple short downtime windows via the TA-500 CCF process for each scope of work.	Oxide Coater #1	Clean Side Rod Area	Stefan, Nick

CCF Number	Title	Description	Justification	Location	ISA ID	Engineer
13198	Modify Nitric Acid Line to Q-Tanks and Activity Monitors	Modify the nitric acid supply line to the Q-Tanks and activity monitors by replacing the current 1/2" ball valve with a 1/2" flanged ball valve with spring return handle. Also install a bypass around the spring return valve with a 1/2" flanged ball valve (non-spring return handle) and removable spool piece, to be used only for acid washing the Q-Tanks, when it is not feasible to hold open the valve for the extended period of time required. Literature from the manufacturer about the valve and the spring return handle are attached.	This is to address CAPs issue report # 13-049-C005, when the nitric acid supply valve was left open, leading to backflow of DI water to the nitric acid supply tank.	South side of Q-Tanks activity monitors platform	ISA-03 ADU Conversion	Weathers, Stephen H
13199	Install Spring Return Drain Valves at Q-Tanks Activity Monitors	Replace the currently installed 1/2" drain valves at the Q-Tanks activity monitors with spring return valves. as indicated on the for-construction drawings, some of the new spring return valves will be flanged and others will be threaded, depending on space considerations. Literature from the manufacturer about the valves and the spring return handle are attached.	This is to address CAPs issue report # 12-102-C005, when 2 of the drain valves were left open, leading to a spill of ammoniated water.	Q-Tanks activity monitors platform	ISA-03 ADU Conversion	Weathers, Stephen H
13200	Replacement of Rod Inspection X-ray developer and silver recovery unit	The x-ray developer and silver recovery unit used in rod inspection are antiquated and in need of replacement. Replacement units have been purchased and will replace the current units. PRF-1000967 FILM PROCESSOR PRF-1000968 SILVER RECOVERY UNIT	The x-ray developer and silver recovery unit used in rod inspection are antiquated and in need of replacement.	Developer Room	ISA-10 ADU Rods	Sinegar, Jill G
13201	F1168 Removable Catch Pan	Install a new catch pan below the F1168 filter that will allow the pan to slide out like a drawer for easy cleaning.	Improve the ease of cleaning the pan and to meet new CSE-15-D dimensional requirements for the F1168 filter operations start-up.	URRS - Waterglass	ISA-15 URRS Wastewater Treatment System	Trayers, Michael E
13202	Relocation of Utility Monitoring Points to Experion C200	Relocate points currently in a GE PLC to Experion C200. Points will include: FIT-1103A, FIT-1157A, FIT-1188A, FIT-1139A, FIT-1157B, FIT-1188B and FIT-1139B	The Honeywell driver to communicate with GE9030 does not function correctly and points have been monitored using KEPWare. This will remove the points (which are solely for monitoring) from the GE PLC and relocate them to Honeywell Experion C200 to allow direct connection of these points.	Outside URRS - Stills Control Room	ISA-06 Chemicals Receipt, Handling and Storage	Barber, Kevin E
13203	Install VFD Drive for P-1168B	Install a VFD for the lube oil pump on filter 1168 for the warm caustic project	The filter requires an drive to control flow and pressure for the new style pump.	Water Glass Building	ISA-15 URRS Wastewater Treatment System	Lowe, Vernon E

CCF Number	Title	Description	Justification	Location	ISA ID	Engineer
13204	Install ventilation ductwork for Neptune Mass Spec	<p>A new Neptune mass spectrometer is being installed in the Chem lab per CCF 13-089. After the equipment is set in place, ductwork will be installed to ventilate the warm air away from the mass spec. The ductwork will be connected to the process ventilation system in a similar manner that is used for the Isoprobe Mass Spec which includes a flexhose and damper to control flow. The tie-in is shown on PID drawing 702F01PI01, sheet 1, and HVAC drawing 500F02HV01, sheet 2.</p> <p>The temperature of the plasma exhaust gas is less than 100F. The temperature of the two electronic ventilation exhaust ducts will be about 80F with room temperature of 68F.</p> <p>Since the plasma dissociates the molecular nitric acid into the basic elements where they will recombine into water and nitrogen compounds along with Argon, the exhaust gas will be ventilated to a dry filter house FL-973 to the outside of the plant along with the warm air exhaust. See attached sketches for reference. See attached process description and SSC review.</p> <p>With respect to SSCs, there are no SSCs directly related to the analytical equipment. There are some SSCs associated with the the process ventilation system.</p> <p>VENT CHEM 101, 102, 104, 107, and 111.</p> <p>101 and 104 discusses duct inspections. Probably not applicable since our runs are vertical and less than 8 inches.</p> <p>102 and 107 discusses prevention of water and liquids getting in the system. Probably not credible since the low cfm flow cannot transport liquid water and the runs to the ventilation system are above the process equipment.</p> <p>111 discusses uranium in ductwork. Not credible since our new duct is favorable geometry. Also we are not going to the scrubber. Also the amount of uranium is at trace levels at 6 parts per billion per run.</p>	This is an approved capital project. AR TI-12513 Mass Spectrometer Replacement	Mass Spec Room	ISA-01 Plant Ventilation System	Frye, Lester C

CCF Number	Title	Description	Justification	Location	ISA ID	Engineer
13205	Removal of VG2 Mass Spec components from Chem Lab	<p>VG2 Mass Spec in the Chem lab has been abandoned and needs to be scrapped out. The removal of electrical services will be done under CCF 13-190. This CCF will cover the removal and disposal of all electrical and mechanical devices associated with the VG2 Mass Spec.</p> <p>All items located in the Chem lab will be taken to URRS and disposed as contaminated scrap per URRS procedures.</p> <p>The power generator for this equipment that is located on the mezzanine above the Mechanical Dev. lab will be removed and disposed as clean scrap. Arrangement drawings will be revised to show the removal of the equipment. These are drawings 500F02HV02, 500F02AR01, and 500F02AR11.</p>	<p>Approved capital project.</p> <p>AR 12-513 Mass Spec Replacement.</p> <p>The project includes removal of an old mass spec.</p>	Mezzanine above Product Dev. Lab and Mass Spec room in the Chem lab	ISA-18 Laboratories	Frye, Lester C
13206	Hot Oil System 3 expansion tank electrical controls	Install electrical controls for operation of a new expansion tank for Hot Oil System 3.	These upgrades will improve safety and reliability. The expansion tank installation will further separation of the two systems to enhance maintenance and reduce downtime.	Hot Oil Room and Mezzanine	ISA-03 ADU Conversion	Smith, Kerry W
13207	Hot Oil Pressure Relief System Catch Tank	Install electrical controls for a new Hot Oil System pressure relief catch tank.	These upgrades will improve safety and reliability.	UF6 Bay, Pad outside UF6 loading dock	ISA-03 ADU Conversion	Smith, Kerry W
13209	Hot Oil System Pipe Tie-Ins	Add the piping tie-in connections for hot oil system #3 and system # 4 so a new drain system, new fill system, new filter System and dedicated expansion tanks can be added. The new systems will be added with other CCFs. This CCF will add tees, isolation valves and caps onto the existing piping systems so the new systems can be added later without a long shutdown. This CCF will also replace the existing PRVs (2 total) for each system.	A new drain system, new fill system, new filter system and dedicated expansion tanks are being added to the hot oil systems for improvements. This CCF will add the piping tees and isolations valves so the new systems can be brought online in the future without a major shutdown. The existing PRVs are rated for 130 PSI and should only be rated for 125 PSI	Chemical/Conversion/Hot Oil Room/Hot Oil System 3 and 4	ISA-03 ADU Conversion	Owens, Michael D

CCF Number	Title	Description	Justification	Location	ISA ID	Engineer
13211	Hot Oil System Fill and Drain System	Add a new fill and drain system for hot oil system # 3 and #4. The new system will consist of piping, valves and a pump so the both hot oil systems can be filled from outside and drained to drums located outside. An eyewash station will also be added outside. This scope of work was originally approved to be installed with CCF 12653 but the subsystems are now being divided into separate CCFs due to the equipment possibly being started at different times. The pressure relief system is now being installed with CCF 12653, the filters are now being installed with CCFs 13210 & 13397 and the expansion tanks are being installed with CCFs 13398 & 12654. The electrical and controls are also being installed with separate CCFs.	Locating the new drain and fill system outside will be safer, easier and will allow the systems to be drained and filled without bringing drums into the building.	Chemical/Hot Oil Room, UF6 Bay and outside containment pad.	ISA-03 ADU Conversion	Owens, Michael D
13218	ADU Line 2 Calciner Safety Upgrades Installation Phase 1	Install instrumentation and equipment related to the Line 2 Calciner and Scrubber upgrades. In this first phase devices will be added to the calciner hydrogen, nitrogen, and steam control systems as well as to the scrubber and V-212 surge tank systems. These devices are intended to become safety significant in future phases, but are being installed now to provide an opportunity for evaluation.	The addition of these controls will provide defense-in-depth in the active engineered controls systems for hydrogen and natural gas deflagration mitigation. This will also help meet the plants Safety Life Cycle objectives and improve compliance with NFPA standards.	ADU Line 2 Calciner, Scrubber, and V-212 Tank	ISA-03 ADU Conversion	Smith, Kerry W
13220	Replacement of obsolete cylinder in ash removal system	Replace obsolete cylinder in ash removal system. Perform minor adjustments around supporting features to accommodate the dimensions of the new cylinder. ITR attached in Related Documents.	The current cylinder is no longer available. The current cylinder is leaking hydraulic fluid.	Incinerator	ISA-13 Low Level Radioactive Waste Processing	Eddy, Margaret R
13221	Remove mechanical shell enclosure and replace degraded section of Mechanical Cooling Water piping	In February of 2013, a temporary repair was made to a leaking section of Mechanical Cooling water piping using a mechanical clam shell enclosure. During the 2013 May Outage, this mechanical clam shell will be removed and the degraded section of piping will be replaced.	The mechanical clam shell enclosure was a temporary repair until a permanent piping replacement could be scheduled.	Mechanical Area over the X-Ray machine	Grounds	Page, Phillip B
13222	Relocate the Laser #4 Scrubber Control Panel	The control panel for the Laser #4 Scrubber was located away from the wall during the original installation because the control panel for scrubber S-4215 was in the way. Scrubber S-4215 has been removed and space is now available to relocate the control panel for the Laser #4 scrubber to the wall. Wiring interconnections will be de-terminated, the panel relocated, and wiring interconnections re-terminated. There are no new For Construction drawings. Affected released drawings are linked in Related Documents. An I/O checkout and functional verification will be performed post installation.	The panel needs to be moved to its final location against the wall behind Laser #4.	Adjacent to Laser #4 in the Grid Area	Components	Stutts, Roy D

CCF Number	Title	Description	Justification	Location	ISA ID	Engineer
13223	Obsolete Part StRm#073024 Vibration Transmitter	With this CCF, we will replace the HI5701VT-3 Vibration Transmitter with a ST5484E-132-1226-00 Vibration Transmitter. This item is used on the Grinder Bowl. The new device does the same thing the old device does. The wiring is the same.	Per the Mfg. the HI5701VT-3 Vibration Transmitter is obsolete and is being replaced by the ST5484E-132-1226-00 Vibration Transmitter.	Pellet Grinder Bowls	Grounds	Parker, James A
13224	Create alternate pad for selectable arm for lines 3 and 4 AP1000 extension	Make an alternate Nylon pad that does not contain the v-grooves for the selectable arm on the AP1000 extension.	The selectable arm does not stay even with the other arms when transferring and puts the end of the rods down in the wrong place on the walking beam.	ADU Rod Lines 3 and 4	ISA-10 ADU Rods	Davis, Alicia D
13225	Obsolete Fuel Assembly Storage Rack Removal	Remove obsolete fuel assembly storage rack from Final Assembly near wash pits. Storage rack has the old style assembly clamping mechanisms and is no longer used. Storage rack is not shown on drawings. Storage racks are referenced in CSE-17-C.	Storage rack has the old style clamping assemblies and is no longer used.	Final Assembly	ISA-17 Final Assembly	Trayers, Michael E
13226	Shoe and TLD Badge storage room	Turn the security offices (old mail room) across from the cafeteria into a room for TLD badge issue and safety shoe storage.	So people entering the manufacturing area will be clad in proper PPE even in aisle ways.	security offices	Grounds	Stafford, Kris
13228	Laser Welder Vacuum Gauge Substitution	Laser Welder Vacuum Gauge Substitution	The existing vacuum gauge controller (model DM-11) on Laser Welder 4 chamber B has failed. The DM-11 model is obsolete and no longer available. This CCF will allow us to use the model DM-12 as a substitute for the DM-11. it is the same form, fit, and function; except that the DM-12 has 2 inputs.	Grid lasers on the mechanical side	Components	Page, Scott C

CCF Number	Title	Description	Justification	Location	ISA ID	Engineer
13229	Change CAAS Loop 3 horns to 120vac	<p>On the criticality alarm system, (CAAS) replace the 24vac operated horns with 120vac horns.</p> <p>The areas of the plant that is serviced by this loop is Conversion Line 4, Rod Line 9, East end of the UF6 Bay and QC Rod Inspection</p> <p>A new UPS electrical circuit will be used to power this loop to reduce the load on the existing circuit.</p>	<p>The CAAS has areas in the plant that cannot hear the horns; this project is a continuation of our efforts to address this issue.</p> <p>The current horns use 24 vac. With the long distances that many of these horns are from the front desk, there is a significant voltage drop to the affect that the outlying horns do not operate at their peak sound levels. By increasing the voltage, the voltage drop will not be as much of a factor.</p> <p>In addition; the 120vac rated horns use 1/3 of the amperage than the current 24vac horns. This will allow us to easily add additional horns on the existing loops.</p> <p>This phase is a continuation changes of the replacement of the horns as we did on CAAS Loop 5 under CCF 12628.</p> <p>The PSEDoc with the ITR can be found in related documents.</p>	UF6 Bay, Line 9, Conversion Line 4, QC rod inspection	Grounds	Gantt, Stephen G
13230	Installation of circuit breakers for Hot Oil Upgrades	Install 5 new circuit breakers in panel RP2-3D to replace 5 existing breakers. These new GFCI and GFEQ breakers will provide power to equipment in future phases of the Hot Oil Upgrades project.	These breakers will provide power to various devices in upcoming implementations of the Hot Oil Upgrade project. They are required because the equipment will be located outside the building. This installation will occur during the May shutdown. This is necessary so that the panel can be powered down for safe installation of the new breakers.	Mezzanine over the conversion control room	ISA-03 ADU Conversion	Smith, Kerry W

CCF Number	Title	Description	Justification	Location	ISA ID	Engineer
13232	Change CAAS Loop 2 horns to 120vac	<p>On the criticality alarm system, (CAAS) replace the 24vac operated horns with 120vac horns.</p> <p>The area of the plant that is serviced by this loop is broad, from the UF6 Bay to the Grid Area. Please see drawing 504F03EL01-5 on the attached PSEDoc ITR for additional information for Horn Loop 2.</p> <p>A new horn will be added to this loop for Equipment Room #1 as there is no horn in the room.</p> <p>We will also be providing a new UPS circuit to the loop, as this is a large loop, and has a potential to be expanded in the future.</p>	<p>The CAAS has areas in the plant that cannot hear the horns; this project is a continuation of our efforts to address this issue.</p> <p>The current horns use 24 vac. With the long distances that many of these horns are from the front desk, there is a significant voltage drop to the affect that the outlying horns do not operate at their peak sound levels. By increasing the voltage, the voltage drop will not be as much of a factor.</p> <p>In addition; the 120vac rated horns use 1/3 of the amperage than the current 24vac horns. This will allow us to easily add additional horns on the existing loops.</p> <p>This phase is a continuation changes of the replacement of the horns as we did on CAAS Loop 5 under CCF 12628.</p> <p>The ITR is included in the attached PSEDoc.</p>	UF6 Bay to the Grid Area	Grounds	Gantt, Stephen G
13233	Polypak Enclosure for Warm Caustic Process	Design, fabricate and install a polypak enclosure for the top of the X-1168, Cake Discharge & Slurry Recycle Station.	An enclosure around the polypak will minimize the splattering of slurry whenever it is discharged into polypaks. This will help keep the area clean and reduce the spread of contamination inside the Waterglass Building.	Inside the Waterglass Building	ISA-15 URRS Wastewater Treatment System	Shuler, Robert G
13234	Production Tracking Boards	Mount dry-erase short-term interval production board on rod line #1. Board will be mounted with angle iron fabricated to fit board.	Daily production tracking system for line 1 operations.	ADu Rod line #1	ISA-10 ADU Rods	Simons, Erby R
13235	Production Tracking Board	Mount dry-erase short-term production board on rod line 2. Board will be mounted with angle iron fabricated to fit board.	Daily production tracking system for line #2 operation.	Adu Rod line 2	ISA-10 ADU Rods	Simons, Erby R

CCF Number	Title	Description	Justification	Location	ISA ID	Engineer
13236	CONVERT CAAS LOOP 1 HORNS TO 120VAC	<p>On the criticality alarm system, (CAAS) replace the 24vac operated horns with 120vac horns on Loop 1.</p> <p>The area of the plant that is serviced by this loop is broad, from Erbia to the computer room to the roof. Please see the attached PSEDoc with the ITR containing drawing 504F03EL01-5 for additional details.</p> <p>This being a very large loop, we are going to provide a separate UPS 120vac source to allow for future expansion if necessary as well as to reduce the load on the existing circuit.</p>	<p>The CAAS has areas in the plant that cannot hear the horns; this project is a continuation of our efforts to address this issue.</p> <p>The current horns use 24 vac. With the long distances that many of these horns are from the front desk, there is a significant voltage drop to the affect that the outlying horns do not operate at their peak sound levels. By increasing the voltage, the voltage drop will not be as much of a factor.</p> <p>In addition; the 120vac rated horns use 1/3 of the amperage than the current 24vac horns. This will allow us to easily add additional horns on the existing loops.</p> <p>This phase is a continuation of changes for the replacement of the horns as we did on CAAS Loop 5 under CCF 12628.</p>	Vast, Erbia to the Computer room to the Roof	Grounds	Gantt, Stephen G
13237	D&V Channel Lifter Modification	Change out the existing leaver type valves with foot pedal binary type valves for the Gamma Scanner tray transfer lifters. (Previously this CCF also addressed changing out the valves for the overhead transfer lifter.)	To address half of CAPs issue 12-326-C002. The upper lifter valve issue is being addressed by eliminating the tray congestion on the accumulation table.	CFFF, D&V Accumulation Table	ISA-10 ADU Rods	Strimple, David C
13238	Production Tracking Boards	Mount dry-erase short term intervals production board on rod line #3. Board will be mounted with angle iron fabricated to fit board.	Daily Production tracking system for line 3 operations.	ADU Rod Line 3	ISA-10 ADU Rods	Simons, Erby R
13239	Production Tracking Board	Mount dry-erase short term intervals production board on ADU Rod line 4. Board will be mounted to wall next to Rodline 4 Numaligic Cabinet.	Daily production tracking system for line 4 operation.	ADU Rod line 4	ISA-10 ADU Rods	Simons, Erby R
13240	Substitute Timer Controller; for pulse type Dust Collectors	Substitute Timer Dwyer DCT Timer Controller for storeroom part#84020.	Vendor changed models due to superior design and performance. The Dwyer replacement unit is a direct replacement, same form, fit, and function.	Storeroom; used on dust collectors in plant	ISA-01 Plant Ventilation System	Page, Scott C
13241	Change existing aluminum arms at beginning of walking beam to stainless steel	Change the existing arms on line 1 that are after the rod lifter at the start of the walking beam from aluminum to stainless. There are no drawings of the existing parts.	Eliminate aluminum parts on rod lines.	ADU Rod Line 1	ISA-10 ADU Rods	Davis, Alicia D

CCF Number	Title	Description	Justification	Location	ISA ID	Engineer
13242	Add wheeled base to Plenum Gage cabinet	<p>Remove bent legs from existing plenum gage cabinet (see photo) and place it into the wheeled frame shown in attached.</p> <p>The cabinet is non-SNM bearing and already has holes drilled near the bottom.</p>	The cabinet needs to be moved out of the way occasionally and as a result the legs have been bent. The wheeled base will allow the cabinet to be moved when needed.	ADU Area near Tooling Cage	ISA-10 ADU Rods	Davis, Alicia D
13243	Line 2 Calciner/Scrubber Safety Upgrades	<p>We lack Defense in Depth in our Active Engineered Control system for Hydrogen and Nat. Gas deflagration mitigation. In some cases, Process and Safety instrumentation share the same hardware, where existing process instrumentation is being used for safety applications. Failure of this instrumentation could lead to a deflagration event.</p> <p>In other cases, we rely solely on Administrative Controls to mitigate Nat. Gas deflagration risks (e.g., ADUCAL-409: Air purge of Combustion Chamber).</p> <p>Modifications are being made to increase reliability of the existing safety interlocks and allow separation of the Basic Process Control System and Safety Integrated System. This CCF is for mechanical installation of Conversion Line 2 valves, instruments and other items.</p> <p>FIT-S-209-4 Rosemount DP Flow Transmitter, XV-S-209-3&4 fail close block valves, XV-209-5 fail open Bleed Valve and a new vent line to the roof (the roof is an SSC) will be installed and activated on the Line 2 Calciner Hydrogen line.</p> <p>FIT-S-209-3 Rosemount DP flow transmitter, XV-S-209-1 fail open control valve, and a 3/16 inch flow orifice will be installed and activated on the nitrogen purge line to the Line 2 Calciner. XV-209-A1 fail open valve will be installed on the nitrogen line after FCV-209A.</p> <p>Rosemount pressure transmitter PIT-S-209-1 will be installed/activated on the same calciner pressure tap and at the same elevation as PT-S-209D which is located at the end of the Line 2 Calciner. FIT-S-209-2 Rosemount DP flow transmitter and a spring open manual valve (007-1) will be installed/activated on the nitrogen line supplying PIT-S-209-1.</p> <p>FIT-S-209-1 Steam Vortex Flow transmitter will be installed/activated on the steam line going into the end of the Line 2 Calciner where the Steam 3 way valve is currently located. This will require moving the Steam 3 way valve</p>	Upgrades are needed to meet Safety Significant Controls and Fire Protection requirements.	Line 2 Calciner	ISA-03 ADU Conversion	Walker, Barney W

CCF Number	Title	Description	Justification	Location	ISA ID	Engineer
13245	New Channel Cart With Hand Brake	<p>This new Fuel Rod Channel Cart offers a hand-brake and lighter weight for safer human propelled operation. This new Channel Cart can also be propelled by the existing Human Guided Vehicle (HGV) (Reference drawing 439F03EQ06).</p> <p>First, this CCF will make the configuration controls to allow placing this new fuel rod Channel Cart into service.</p> <p>Finally, Safety Significant Control (SSC) references shall be added to the Channel Cart drawing(s) for item # ADUOD-116.</p>	<p>The hand brake and the reduced weight will make the Channel Cart safer and easier to handle. This will improve personnel safety and financially justifies this project.</p> <p>Nuclear Safety justification is addressed in the attached Independent Technical Review (ITR) #13245 (PSE Doc-0001300). This ITR concludes the Safety Significant Control (SSC), ADUOD-116, is not impacted by this placing this new Channel Cart in service.</p> <p>Finally, inspection for SSC item # ADUOD-116 was performed on the Channel Cart (drawing 439F03EQ07), on May 1st. The Channel Cart exceed the requirements of SSC item # ADUOD-116.</p>	Fuel Rod Storage Area and Final Assembly Area	ISA-17 Final Assembly	McInnis, Steve H
13246	Modify rod flipper pickup angle	Eliminate blunt end of rotary rod flipper part.	The blunt end hits the second rod that is waiting on the ramp.	ADU Rod Line 1	ISA-10 ADU Rods	Davis, Alicia D
13247	Re-route Solvent Extraction Product Line	Re-route solvent extraction product line. This is the discharge line from the V-1087 A/B/C/D tanks to the UN bulk storage manifold. The line will be re-routed with no changes to the overall process flow.	The current line is leaking and it is in an unaccessible area to conduct repairs. The line will be moved to provide proper clearance for maintenance personnel to perform repairs.	Solvent Extraction	ISA-07 Solvent Extraction	Eddy, Margaret R
13249	Valve Positioner Substitution Storeroom Setup	<p>Valve Positioner Substitution Storeroom Setup MAPCON# 79850.</p> <p>This CCF will allow us to set the Fisher unit up in the storeroom and use as a replacement for the obsolete Taylor unit; except where used on an SSC control. If an SSC is involved a separate CCF for that instance is required.</p>	Existing Taylor brand positioner is obsolete and unavailable. The Fisher 3582 is functionally equivalent.	Storeroom; used in several locations in the plant	Grounds	Page, Scott C
13250	pH probe (sensor) Substitution; Mapcon #79508	<p>pH probe (sensor) Substitution; Mapcon #79508.</p> <p>This CCF will allow us to change the storeroom specification sheet to use the Emerson/Rosemount model 3900 probe. If this instrument is used on a Safety Significant Control (SSC) a separate CCF is required.</p>	Rosemount has discontinued the Model 381 pH sensor. This unit is a replacement which is compatible with our existing controllers	Storeroom - Used in Chemical areas of Plant	ISA-03 ADU Conversion	Page, Scott C

CCF Number	Title	Description	Justification	Location	ISA ID	Engineer
13251	Obsolete Part StRm#735100 Endress+Hauser Level Probe	<p>With this CCF, we will replace in the store room mfg. part number LSM1702 with FTM50. The storeroom setup sheet will be changed.</p> <p>The replacement unit is a direct replacement and this CCF will allow this device to be used as a replacement for LSM1702; unless it is used in a safety significant control.</p> <p>If used in an SSC application, a separate CCF will have to be generated.</p> <p>The new device does the same thing as the old device. Per the Mfg the difference is that the LSM1702 had 10ft of remote cable, where as the FTM50 will have 20ft.</p>	Per the Mfg, the LSM1702 level switch is obsolete. The suggested replacement is the FTM50.	Store Room substitution, plantwide	ISA-01 Plant Ventilation System	Parker, James A
13252	Run Temporary Cat6 Cable to NCOLS ADU02 Wireless Router	<p>Run Temporary Cat6 Cable to NCOLS ADU02 Wireless router.</p> <p>The cable will be run between NCOLS ADU02 and the conversion control room "switch NCOLS ADU01". This is being done to facilitate the shutdown inventory. This cable will be removed and replaced by cable run in conduit after inventory.</p>	This wireless router needs to be available for shutdown.	Power storage area near bulk blending and Control Room	ISA-03 ADU Conversion	Page, Scott C
13253	Install valves on drain ports of FL-1076A/B	Install valves on drain ports of FL-1076A/B	These valves will make it safer for operations to drain these filter housings.	SOLX	ISA-07 Solvent Extraction	Eddy, Margaret R

CCF Number	Title	Description	Justification	Location	ISA ID	Engineer
13254	CL2 Scrubber Crossover Loop Piping Modifications	<p>The CL2 scrubber crossover loop piping will be modified as follows:</p> <ol style="list-style-type: none"> 1. The length of the crossover loop piping from the bottom flanges to the centerline of the flanges for the DI water spray nozzles will be changed from 62.12 inches to 63.00 inches. 2. Modify the two DI Water spray nozzles located at the top of the crossover loop piping from their current orientation. As shown on drawing 335F01EQ16:06, the current specified angle is 25 degrees from the horizontal. This CCF will allow testing of different spray angles to include 70 degrees, 85 degrees, 95 degrees, 105 degrees, and 115 degrees as measured from the current angle (for reference these angles would correspond to 95 degrees, 110 degrees, 120 degrees, 130 degrees, and 140 degrees, respectively, from the horizontal). The initial modification will be to change the angle to 95 degrees from the current angle (120 degrees from the horizontal). This same modification was made on Line 3 per CCF # 13007 with good results. A memo will be issued as an update to the attached Maintenance training bulletin (note that the attachment shows the current configuration not the change per this CCF). 	<p>The justifications for the changes are as follows:</p> <ol style="list-style-type: none"> 1. This change is to make this dimension on the crossover loop piping consistent on all 5 conversion lines, since this dimension on the other 4 lines already measures 63.00 inches. 2. Pluggage of the crossover loop piping is a recurring problem that leads to calciner/scrubber pressure excursions and the resulting need to clear the piping. Observation and modeling have shown that even with the DI water spray nozzles at the top of the crossover loop in their current orientation, the bends in the crossover loop are the prime locations for buildup. Optimizing the orientation of the existing spray nozzles per this CCF is the first step in reducing the pluggage. This same modification was made on Line 3 per CCF # 13007. 	CL2 Scrubber Crossover Loop Piping	ISA-03 ADU Conversion	Weathers, Stephen H
13255	Battery Powered Emergency Backup Light Substitution; Mapcon #18111	<p>With this CCF, we will replace mfg. part number LL90-G2 with LED90-G2. The storeroom setup sheet will be changed. The replacement unit is a direct replacement and this CCF will allow this device to be used as a replacement for LL90-G2; unless it is used in a safety significant control. If used in an SSC application, a separate CCF will have to be generated. The new device does the same thing as the old device. Per the Mfg, the difference is that the LL90-G2 used an incandescent bulb, where as the LED90-G2 uses an LED bulb.</p>	Per the Mfg, part number LL90-G2 has been discontinued. Mfg. part number LED90-G2 is the suggested replacement.	Store room substitution, part used sitewide	Grounds	Parker, James A

CCF Number	Title	Description	Justification	Location	ISA ID	Engineer
13256	Rotary Actuator MAPCON Storeroom# 097018 Substitution	Rotary Actuator MAPCON Storeroom# 097018 Substitution. Replace NCR50-180 with CRB1BW50-180S-XN. The storeroom setup sheet will be changed. The replacement unit is a direct replacement and this CCF will allow this device to be used as a replacement for NCR50-180; unless it is used in a safety significant control. If used in an SSC a separate CCF will have to be generated.	The original part is no longer available.	Storeroom Part (used on Oxide coater)	Grounds	Page, Scott C
13259	Removal of Air Products Pressure Relief Valves on Helium System	We want to remove the 2 pressure relief valves owned by air products on our main helium system since Westinghouse owns one on line that is rated at a higher pressure.	1 of the 2 is currently leaking and could be a possible source of contamination of our helium supply. These relief valves are regulated for 900 PSI, while Westinghouse has one rated for 1000 PSI after the regulating cabinet.	Tank Farm	ISA-06 Chemicals Receipt, Handling and Storage	Trayers, Michael E
13260	Add Blue Light in Chem Lab	Install a Criticality Alarm System / Hazard Warning Blue Light on the Chem Lab side of the Line 4 step off pad.	CAPs Issue 12-332-C005. There recently was a UF6 Release on Conversion Line 4. Before an audible announcement was made, a Chem Lab Technician walked into the area that was taped off as fresh air only. The installation of this light on the Chem Lab side of their step off pad will increase the safety of personnel using that step off pad. The ITR is attached in PSEDoc0001313.	Chem Lab	ISA-18 Laboratories	Gantt, Stephen G
13262	Replace stepper motor on tray loader at line 4	Replace obsolete stepper motor on line 4 tray loader with a Tritex II linear actuator.	Obsolescence	ADU Line 4 tray loader	ISA-10 ADU Rods	Davis, Alicia D
13263	Replace stepper motor on girth welder handling at line 4	Replace obsolete stepper motor on line 4 girth welder handling with a Tritex II linear actuator.	Obsolescence	ADU Line 4 Girth Welder	ISA-10 ADU Rods	Davis, Alicia D
13264	Replace stepper motor on seal welder handling at line 4	Replace obsolete stepper motor on line 4 seal welder handling with a Tritex II linear actuator.	Obsolescence	ADU Line 4 Seal Welder	ISA-10 ADU Rods	Davis, Alicia D
13265	Replacement of Leybold Vacuum Display Unit on Grid Laser #5	Replace failed (or failing) vacuum display units with Analog Signal input to existing PLC. Display current vacuum for both chambers on the existing HMI. Use existing PLC to monitor and trigger the pre-defined vacuum setpoints.	Display Units for showing vacuum and sending setpoint values (for vacuum) to the CNC controller are obsolete and not available.	Mechanical Side - (Non Fuel) Grid Area	Components	Barber, Kevin E
13266	Re-design bracket for sensor on Line 8 AVIS	We are changing the sensor to a 12mm barrel prox and the bracket must be re-designed to hold the noew prox.	The current retro-reflective sensor is sometimes missed during the rotation and the tube skips AVIS inspection.	Line 8 AVIS	ISA-10 ADU Rods	Davis, Alicia D

CCF Number	Title	Description	Justification	Location	ISA ID	Engineer
13267	Change CAS Horn Loop 15 to 120vac	<p>On the criticality alarm system(CAS) Loop 15 replace the 24vac operated horns with 120vac horns.</p> <p>"A" 1 horn will be added in the Sub 6 building.</p> <p>"B" (2) 30mm indicating lights and small buzzer will be removed from the ADU Control Room.</p>	<p>The CAS has areas in the plant that cannot hear the horns; this project is a continuation of our efforts to address this issue.</p> <p>The current horns use 24 vac. With the long distances that many of these horns are from the front desk, there is a significant voltage drop to the affect that the outlying horns do not operate at their peak sound levels. By increasing the voltage, the voltage drop will not be as much of a factor.</p> <p>In addition; the 120vac rated horns use 1/3 of the amperage than the current 24vac horns. This will allow us to easily add additional horns on the existing loops.</p> <p>This phase is a continuation of the changes we made with the replacement of the horns we did on CAS Loop 5 under CCF 12628.</p> <p>"A" you cannot hear the horns inside the Sub 6 building</p> <p>"B" these items are obsolete. They were used to mooitor the outside detectors when they were not connected to the rest of the Plant. They are now connected to the Plant, and now serve no useful purpose.</p> <p>The ITR is attached to this CCF.</p>	URRS area, ADU Control Room	Grounds	Gantt, Stephen G
13269	Computer Room Partition Wall	<p>Install a partition wall to separate the space occupied by data center racks and equipment from the cubicle area in the computer room. The construction of the wall will include metal studs, FRP (Fiber-Reinforced Plastic) wall panels, and a double door for equipment and personell access. The base of the wall will set on the existing elevated floor and extend to the interior of the existing dropped ceiling tiles.</p>	<p>This partition is being installed as part of the AC06 replacement project that will install dedicated cooling equipment in the rack and equipment space as part of the scope of a future CCF.</p>	Computer Room	Grounds	Stutts, Roy D

CCF Number	Title	Description	Justification	Location	ISA ID	Engineer
13270	Scrap cage air line re-route	Re-route the air line on the low leg of the bubblers going to V1006A&B and liquid scrap tanks (V1014, V1015, V1017, V1018) so that the elevation of the air line goes above the level of the respective tank.	Prevent backflow into the air lines by a passive design, instead of relying on check valves.	scrap cage tanks' air lines	ISA-11 Scrap Uranium Processing	Dudas, Lisa M
13272	Replacement of HX1180, Still 2 Condenser	Replace HX1180, Still 2 condenser column with all stainless steel construction.	CAPs Commitment 09-343-C003.02: During an internal inspection of HX-1180, located in URRS Still 2, it was discovered that the carbon steel section of the shell portion of the exchanger exhibits severe corrosion in the form of pitting with depths up to .100". The pitting is only on the carbon steel wetted sections within the cooling water side. Replacement was recommended.	URRS Outside Still 2	ISA-06 Chemicals Receipt, Handling and Storage	Chiu, Jessica S
13273	Supply UPS power to BPCS Rack in UF6 Bay	Supply UPS power to BPCS Rack in UF6 Bay, rack is currently supplied by regular power.	During the power outage, SOLX was unable to take tank level readings which are required by procedure. It was discovered that the BPCS rack was supplied by normal power instead of UPS power. To allow the tank levels to be taken during power outages, UPS power will have to be supplied to the BPCS rack.	BPCS Rack in UF6 Bay	ISA-07 Solvent Extraction	Batten, Alan C
13275	Power Service for new X-Ray Developer	The new developer being installed in the X-Ray darkroom requires more power than is currently available. Under this CCF the existing transformer, bus switch, and wiring will be replaced to accomodate the change. This is and will remain a dedicated circuit.	This change is necessary to support the installation of the new developer.	QC Rod Darkroom and equipment area behind QC Rod Office	ISA-10 ADU Rods	Smith, Kerry W
13277	Plug Two Holes in QC Lab Hood	Plug two holes in the back of the workspace of the QC Lab hood. Each hole is approximately 1" in diameter.	SNM and/or chemicals could fall through the holes into an empty cavity behind the hood cabinet.	QC Lab Hood No. 1 from DWG #702F01PI01 Rev 11 Sheet 1	ISA-18 Laboratories	Leong, Jeffrey S
13279	Modify coater drum bar	Modify coater drum bar support piece (802F12EQ20, item 09) to increase the height to not allow fixtures to fall between the drum bars and get stuck.	Safety - Fixtures are falling between the drum bars and getting stuck. Operators have a difficult time removing stuck fixtures. Operating cost - In the process of removing stuck fixtures, fixtures are sometimes damaged. Each fixture cost ~\$2,000 each.	IFBA, FA1	ISA-14 IFBA Processing	Young, Roy D

CCF Number	Title	Description	Justification	Location	ISA ID	Engineer
13280	ADU Rod Line 3 Solenoid Valve Installation	With this CCF, we will install a solenoid pilot controlled LOX valve to the main air line supplying ADU Rod Line 3 just after the main manual valve. The energy isolation valve will provide a quick means of shutting off the supply of air and exhaust existing downstream air. In addition, the solenoid pilot controlled allows the air supply to be turned on or off by remote electrical control whenever the LOX handle is in the outward position. Air flows only if the LOX handle is outward and the solenoid pilot is energized.	Per Issue Report #11-273-C002: On ADU Rod Lines 3 and 4 cookie sheet transporters, when power at the control panel is removed, lifts pop-up potentially causing a safety concern at the same time creating a quality concern. Isolating the main air supply will eliminate other safety concerns (cookie sheet grabbers & pop-ups, at both girth and seal weld stations) at the same time.	ADU Rod Line 3	ISA-10 ADU Rods	Parker, James A
13281	Power Controller Substitution for VFS #1 Heat Control	Power Controller Substitution for VFS #1 Heat Control.	The existing unit is obsolete and unavailable. The existing unit has also failed and VFS#1 is down.	VFS #1 in the Mechanical Side Grid Area	Components	Page, Scott C
13283	Installation of Power Panel for S-1190 WaterGlass Scrubber	Install a power distribution panel for feeding power to the Scrubber Fan and Pumps. Panel will also provide 120VAC and 24VDC source for the Scrubber Controls Panel.	Currently Power is fed from MCC-50 (3 feeds, one for P1190A, one for P1190B and one for F1190). This new panel will provide power, via MCC-1150, for all 480V, 120VAC and 24VDC required for the new Scrubber. It will also include a single flange mounted disconnect for LOTO of the entire scrubber. Additional disconnects are also integrated to provide lockout of a single pump or fan.	Outside URRS - WaterGlass Roof	ISA-15 URRS Wastewater Treatment System	Barber, Kevin E
13284	Installation of Control Panel for S-1190 WaterGlass Scrubber	Install a control panel for provide controls to Scrubber 1190. This will include Level, Flow, and pH.	Controls are currently connected to the TDC2000 located in the WaterGlass control room. The TDC components are obsolete, as well as some of the instrumentation on the scrubber. The new panel will allow local access for maintenance support and troubleshooting as well as providing current controls and instrumentation.	Outside URRS - WaterGlass Roof	ISA-15 URRS Wastewater Treatment System	Barber, Kevin E
13285	Modify air piping for D&V Box Scanner lifting mechanism	Box scanners air piping needs to be modified to ensure the down travel will not descend too rapidly. Rather than piping air to the down function of the cylinder, gravity will be used to lower the scanner box.	Using gravity will slow the descent of the scanner box down allowing a more controlled and safe motion.	D&V Inspection Tables	ISA-10 ADU Rods	Sinegar, Jill G

CCF Number	Title	Description	Justification	Location	ISA ID	Engineer
13286	Electrical Installation and Cutover of S-1190 WaterGlass Scrubber	Cutover of WaterGlass Scrubber from Old electrical and Controls to new system.	TDC controls and pH controller are obsolete. Additionally, power is fed from 3 separate feeds in MCC-50 (located at Substation 6) rather than a single feed (which will be located in MCC-1150 (in WaterGlass Control Room)	Outside URRS - WaterGlass	ISA-15 URRS Wastewater Treatment System	Barber, Kevin E
13287	Demolition of Power Feeds from MCC-50 to WaterGlass Scrubber S-1190	Remove wiring feeds from MCC-50 for feeding the P1190A, P1190B and F-1190 motors.	The scrubber power is being re-fed from a single source in MCC-1150 (located in the WaterGlass Control Room)	Outside URRS - WaterGlass and SubStation 6	ISA-15 URRS Wastewater Treatment System	Barber, Kevin E
13288	Occupancy Sensor removal from Transportation Office	With this CCF, we will remove the occupancy sensor in the transportation office from service. The lights will remain controlled by the wall switch.	Per the occupants of the Transportation Office, the occupancy sensor has become a nuisance. The sensor has been replaced several times.	Transportation Office	Grounds	Parker, James A
13289	Modify wiring on Bulk Blending Photo Eye	Modify the wiring on, Bulk Container in raised position, Photo-eye. This change will be performed on ReMill station #1 and ReMill station#2. These Photo-eyes are SSCs (ADUBB-914 & ADUBB-915).	The current drawings (348F03EL19 shts 1&3) do not match the manufacturer's recommended installation.	Bulk Blending	ISA-05 ADU Bulk Powder Blending	Page, Scott C
13290	ADU Rod Line 4 Solenoid Valve Installation	With this CCF, we will install a solenoid pilot controlled LOX valve to the main air line supplying ADU Rod Line 4 just after the main manual valve. The energy isolation valve will provide a quick means of shutting off the supply of air and exhaust existing downstream air. In addition, the solenoid pilot controlled allows the air supply to be turned on or off by remote electrical control whenever the LOX handle is in the outward position. Air flows only if the LOX handle is outward and the solenoid pilot is energized.	Per Issue Report #11-273-C002: On ADU Rod Lines 3 and 4 cookie sheet transporters, when power at the control panel is removed, lifts pop-up potentially causing a safety concern at the same time creating a quality concern. Isolating the main air supply will eliminate other safety concerns (cookie sheet grabbers & pop-ups, at both girth and seal weld stations) at the same time.	Rod Line 4	ISA-10 ADU Rods	Parker, James A
13292	Laser #4 Grid Build Station	The grid build station and laser tabletop shelving will be replaced with a new build station and tabletop frame. Compressed air, lighting, and data cabling will be disconnected and reconnected during installation. New strap carts will also be provided to support the new build station.	The arrangement and construction of the existing build station has contributed to multiple injuries.	Laser #4	Components	Stutts, Roy D
13293	Laser #3 Grid Build Station	The grid build station and laser tabletop shelving will be replaced with a new build station and tabletop frame and conveyor. Compressed air, lighting, and data cabling will be disconnected and reconnected during installation. New strap carts will also be provided to support the new build station.	The arrangement and construction of the existing build station has contributed to multiple injuries.	Laser #3	Components	Stutts, Roy D

CCF Number	Title	Description	Justification	Location	ISA ID	Engineer
13294	Laser #6 Grid Build Station	The grid build station and laser tabletop shelving will be replaced with a new build station and tabletop frame and conveyor. Compressed air, lighting, and data cabling will be disconnected and reconnected during installation. New strap carts will also be provided to support the new build station.	The arrangement and construction of the existing build station has contributed to multiple injuries.	Laser #6	Components	Stutts, Roy D
13295	Ball Valve replaced by needle valve on back up process water to Sintering Furnaces	Replace a ball valve with a needle valve in the tubing which supplies PIT 2351. This valve is only used for draining the loop when performing annual PM 20309 - Automatic back-up city water for ADU Sintering Furnaces. Also add a pressure gage (PI2351D) between the needle valve and the branch tee.	To facilitate performing PM 20309	Conversion	Grounds	Page, Phillip B
13296	City Water pipe replacement in the back of the Mechanical Side Electric Shop	Replace the leaking section of 6" galvanized city water piping, located in the overhead of the clean side electrical shop. This new pipe section will be fabricated using 304L schedule 10 pipe and butt weld 304L schedule 10 fittings.	This section of galvanized pipe has one active leak in a welded joint, with many more potential leaks at threaded connections.	In the overhead of the clean side electrical shop	Grounds	Page, Phillip B
13297	Provide support brackets to create stability for metal wireway on Coater #3	Support brackets are necessary to maintain wireway back in original design position.	Metal wireway on Coater #3 was dislocated from its position during door operation. This bracketry is necessary to provide proper stability of wireway.	IFBA Coater #3 Door Cable track	ISA-14 IFBA Processing	Sinegar, Jill G
13298	Power supply for linear actuators on line 4	Install necessary power supply and filters for replacement of obsolete stepper motors on line 4 with a Tritex II linear actuator.	Pre-work for CCF-13262, 13263, 13264	ADU Rod Line 4	ISA-10 ADU Rods	Davis, Alicia D
13299	Apply EVAPLINER coating to the cold water collection basin in Ammonia Still #1 Cooling Tower	Apply EVAPLINER coating to the cold water collection basin in Ammonia Still #1 Cooling Tower. This work will be performed by the manufacturer's technicians. The product specification sheets and MSDS are attached.	The seams in the cold water basin are leaking. Per EVAPCO, the cooling tower manufacturer, #1 EVAPLINER coating is the recommended repair.	Ammonia Still #1	ISA-06 Chemicals Receipt, Handling and Storage	Page, Phillip B
13301	PLN1 Vacuum Blower Upgrade	Replace the obsolete vacuum blower with a Spencer unit used on pellet lines 2 - 6. Modify auxiliary components as needed for desired ergonomic enhancements. Similar changes to CCF 13090.	The current unit is obsolete.	Pellet Line 1 Vacuum Blower (under Tray Stacker)	ISA-08 Pelleting	Edwards, Logan W

CCF Number	Title	Description	Justification	Location	ISA ID	Engineer
13302	Insulate the Filterhouse for the Incinerator	We want to drill small holes in the base of the filterhouse for the incinerator in order to insert foam insulation into the void to minimize the heat loss that is occurring with the incinerator offgas system. This installation will be done while the system is online.	By insulating the filterhouse for the incinerator offgas system, the amount of moisture accumulation should decrease. There is currently no insulation between the floor and the bottom of the filterhouse that sits a couple of inches off the floor.	Incinerator Penthouse	ISA-13 Low Level Radioactive Waste Processing	Davis, Bruce A
13304	Replacement of Leybold Vacuum Display Unit on Grid Laser 3	Replace failed (or failing) vacuum display units with Analog Signal input to existing PLC. Display current vacuum for both chambers on the existing HMI. Use existing PLC to monitor and trigger pre-defined vacuum setpoints.	Display units showing vacuum and sending setpoint values (for vacuum) to the CNC controller are obsolete and not available.	Mechanical Side - (Non Fuel) Grid Area	Components	Barber, Kevin E
13305	Replacement of Leybold Vacuum Display Unit on Grid Laser #4	Replace failed (or failing) vacuum display units with Analog Signal input to existing PLC. Display current vacuum for both chambers on the existing HMI. Use existing PLC to monitor and trigger the pre-defined vacuum setpoints.	Display units for showing vacuum and sending setpoints (for vacuum) to the CNC controller are obsolete and not available	Mechanical Side - (Non Fuel) Grid Area	Components	Barber, Kevin E
13306	Maintenance Dock Simplex (Fire Alarm) Speaker Installation	With this CCF, we will install a simplex horn on the NE column of the Cylinder Weigh Station and point it at the dock outside of Maintenance. This installation will provide area occupants the ability to hear important announcements from emergency personnel during the event of an emergency/drill. The initial tap setting will be 7w. The tap setting will be finalized during testing and noted on the dwg.	It has been brought to the Area Eng.'s attention that area occupants cannot hear announcements from the Simplex System.	Respirator Cleaning Facility/ Maintenance Dock	Grounds	Parker, James A
13309	Remove abandoned in place duct work	Remove abandoned in place duct work that formerly attached to the CRT repair hood that was in the technician shop and the drying hood that was along the wall in FA3. Neither of these components exist any longer and the duct work is abandoned in place. One portion of the duct runs through the archive room and will be removed. The penetration in the floor and wall will be repaired upon removal of the duct.	Abandoned duct causes confusion when tracing lines and air flow in the field. Additionally, the line that runs in the archive room is in the way and the damper is a hazard in its present location.	Line runs in FA3, the instrument tech shop	ISA-01 Plant Ventilation System	Craig, Brian M
13310	Sulfuric acid tote flex hose support and bleed valve	Add supports to existing sulfuric acid flex hose and block and bleed valves at metering pump suction.	To prevent damaging bottom connection on the sulfuric acid tote and protect operators from chemical exposure.	URRS waste treatment lift station	ISA-06 Chemicals Receipt, Handling and Storage	Trayers, Michael E

CCF Number	Title	Description	Justification	Location	ISA ID	Engineer
13311	CL3 Dryer Paddle Clearance Modification	Increase the current 0.250-in. radial clearance between the ID of the dryer shell and the tip of the paddles to 0.450 inches on CL3.	<p>Low bulk density of the CL3 powder in mid-2012 led to the need for several process changes. Recently while troubleshooting wet ADU and high temperature in the elevator, many of these process changes were reversed. While currently the bulk density is within the normal range, based on the experience gained on other Conversion lines, adjusting the paddle clearance seems to be a more robust way to ensure more consistent, higher bulk density. Also, since the existing dryer shaft is planned to be removed for inspection due to continued wet ADU and high temperature in the elevator, this is a good opportunity to make this change.</p> <p>Another reason is that since lines 1 and 4 already have the increased paddle clearance, making the same change on line 3 will be one step closer to standardizing this paddle configuration across all the lines.</p>	CL3 Dryer	ISA-03 ADU Conversion	Weathers, Stephen H
13312	Erbia Press Modifications	<p>1. Cut opening in Enclosure Side panel(see attached side panel sketch*).</p> <p>2. Segment rear panel and make middle and top segment from Lexan(see attached rear panel sketch*)</p> <p>3. Redesign bottom plate supports to provide method for adjusting/securing Worm Shaft Housing in position(see attached bottom plate support sketch*).</p> <p>4. Add grease fittings to Hold Down Cam Support(see attached hold down cam mark-up).</p> <p>*Note: There are no drawings in Matrix for these Erbia Press OEM parts. The attached sketches represent field measured/modified/fabricated parts and are for reference only.</p>	<p>1. Resolve interference between panel and enclosure ventilation duct flange.</p> <p>2. Provide better visibility and access. This configuration is similar to that on the ADU Presses.</p> <p>3. Due to loads associated with pressing the high density Erbia pellets, the Worm Shaft Housing tends to work out of position over time. The new support will provide a method for adjusting the Worm Shaft backlash and maintaining the Worm Shaft position.</p> <p>4. Provide avenue to lubricate Hold Down Cam Support bushings/guide rods.</p>	Erbia \ R53 Press	ISA-20 ERBIA	Vining, George E Jr

CCF Number	Title	Description	Justification	Location	ISA ID	Engineer
13314	Install Filter on Air Line Used for 30B Cylinders Drying	Install filter on air line used for 30B cylinder drying. This air supply comes from the compressed air header, is run through an online heater, and then routed through cylinders in the recertification building.	This change will assure that the air introduced to cylinders at cylinder recertification is free of debris.	URRS Cylinder Recertification	ISA-09 UF6 Cylinder Wash	Eddy, Margaret R
13315	Inspection pit guide shields	Install 2 long shields to hang on cross bars so the rca assemblies will be guided straight down instead of running into the cross bars.	Operators have very difficult time lowering the RCAs because they are long and snaky.	Inspection pit by packing	ISA-17 Final Assembly	Stafford, Kris
13318	PLN3 & 4 Oxidation Oven and Hood Replacements	Line 3 and 4 Oxidation Ovens and Hoods will be replaced.	Existing Ovens are at the end of their service life.	Pellet Lines 3 & 4	ISA-19 Hoods and Containment	Walker, Barney W
13319	Portable eyewash stations in the Storeroom	Install 3 portable eyewash stations in the Storeroom Area. These units are Encon # 01110786S.	OSHA compliant emergency eyewash stations are required in the workplace for adequate eye protection for workers on the job.	Storeroom	Grounds	Page, Phillip B
13321	New Model Vacuum Hose for Pellet Area	Install a new style spiral-wound crush resistant vacuum hose for use with the central vacuum system on the front end of the pellet lines. NOTE: No changes are being made to any drawings as no drawing calls out a specific vacuum hose. Attached to the CCF is a schematic drawing of the hose design for clarification.	The current hose does not coil well and is easily collapsable. The new hose improves the durability and ease of use of the current vacuums.	Pellet Area Front End Vacuums	ISA-08 Pelleting	Amormino, Sean T
13324	Install an Additional Overflow on Top of T-1039, UN Bulk Storage Tank	Install an Additional Overflow on Top of T-1039, UN Bulk Storage Tank	An additional passive overflow is desired by NCS fo the UN Bulk Storage tanks that are available for offloading LR-230 trailers.	UN Bulk Storage	ISA-02 Uranyl Nitrite Bulk Storage Tanks	Eddy, Margaret R
13325	Install an Additional Overflow on Top of T-1045, UN Bulk Storage Tank	Install an Additional Overflow on Top of T-1045, UN Bulk Storage Tank	An additional passive overflow is desired by NCS fo the UN Bulk Storage tanks that are available for offloading LR-230 trailers.	UN Bulk Storage Pad	ISA-02 Uranyl Nitrite Bulk Storage Tanks	Eddy, Margaret R
13326	Remove Current Transformer from VFS Furnace #1	Remove Current Transformer from VFS Furnace #1	The existing Current Transformer (CT) has failed insulation, probably due to an internal fault. This CCF will allow us to run the furnace without the CT. The CT us used to provide indication of current flow to the heater element (there are 3 zones, only one zone will be inoperable).	VFS furnace #1 in the Grid Strap Cleaning room	Components	Page, Scott C
13327	Pedestal Grinder Running Light Installation	With this CCF, we will install a running idicator light on the Pedestal Grinder in the Tool Room. There is no dwg to update. There is only a single line dwg available. The light is equipped with a built in 480vac to 24vdc transformer. Single line dwg and light spec attached.	This has been identified as a safety hazard.	Pedestal Grinder (eq#63772)	Grounds	Parker, James A

CCF Number	Title	Description	Justification	Location	ISA ID	Engineer
13328	Add N2 Purge to Line 3 Elevator	This CCF would add a N2 purge to the top of the elevator housing.	Adding N2 would increase the amount of air flow through the system.	Line 3 Elevator	ISA-03 ADU Conversion	Hudson, Christopher W
13329	Modify Cleat Design for UT Elevators	Modify cleat design on UT Elevators for ease of fabrication. Proposed design only slightly modifies support of rod in cleat by adding a radius rather than a point in the support portion of the part.	Current cleat design proves to be difficult to fabricate.	Ultrasonic Testing Elevators	ISA-10 ADU Rods	Sinegar, Jill G
13330	Install Current Transformer (CT) on VFS #1	Install Current Transformer (CT) on VFS #1	We have been running without the CT due to a failure, ref. CCF 13326. A replacement CT has arrived it is from a different manufacturer. The replacement CT is the same form, fit, and function (direct replacement). This CCF will allow us to use the Electromagnetic Ind. LLP CT Cat.# 170RL-122.	VFS #1 in the Grid Area	Components	Parker, James A
13331	BWR Upender Modifications	The BWR upender is used to hold the inner box for loading BWR assemblies. The upender is being redesigned to allow it to be safer and more robust.	The upender was damaged during packing of BWR assemblies. The design was reviewed by the safety engineer and found not to be satisfactory. See attached file for improved design of upender support bars.	Packing Bay	ISA-17 Final Assembly	Lincoln, Randal K
13334	Replace gate valve with ball valve in main City Water Pipe supplying the Mechanical Area	Replace a 3" gate valve with a 3" ball valve in the main City Water Pipe supplying the Mechanical Area.	The existing gate valve will not shut off water flow. Per pipe spec FSS-003-29, ball valves are the preferred type 1/2" thru 4".	Mechanical Area	Grounds	Page, Phillip B
13336	extra valve at H-401	Add an extra manual valve on the inlet line to the nitrogen heater, H-401.	To allow locking out the heater without affecting other processes.	nitrogen supply line in UF6 bay	ISA-03 ADU Conversion	Dudas, Lisa M
13337	Loading Dock Guide Light Installation	With this CCF, we will be installing a guide light system on loading dock 2. The system operates on 12 volts AC/DC and will be controlled with the DM-2 Control Console.	A Loading Dock Guide Light system provides added safety by improving a driver's depth perception when backing into an open dock. It provides an ideal focal point for drivers and greatly reduces the risk of "overrunning" a dock.	Loading Dock 2	Grounds	Parker, James A
13338	Convert Common Services SIS to Version 8	The software for the Common Services Safety System will be converted to Version 8.	Siemens no longer provides support or updates for the current version of the software.	Common Services Safety Instrumented System	ISA-03 ADU Conversion	Batten, Alan C
13341	Convert Line 1 SIS Front End to Version 8	The software for the Line 1 Safety PLC will be converted to Version 8. This CCF will cover the Front End to allow the line to run UF6 after verification of affected safety significant controls.	Siemens no longer provides support or updates for the current version of the software.	Line 1 Safety Instrumented System	ISA-03 ADU Conversion	Batten, Alan C

CCF Number	Title	Description	Justification	Location	ISA ID	Engineer
13342	Convert Line 1 SIS Back End to Version 8	The software for the Line 1 Safety PLC will be converted to Version 8. This CCF will cover the Back End to allow the line to start running Nitrate after verification of affected safety significant controls.	Siemens no longer provides support or updates for the current version of the software.	Line 1 Safety Instrumented System	ISA-03 ADU Conversion	Batten, Alan C
13343	Installation of Isolation Relays for P-1123A/B	Install isolation relays for controlling the run/stop signal to the Variable Frequency drives controlling the P-1123 pumps	Control power is fed from the VFD rather than the PLC as currently connected. This is causing the drive to not shutoff, but run at 0 RPM. This currently keeps torque on the motor which is not needed and increases the heat load on the motor.	Outside URRS - Waste Treatment	ISA-06 Chemicals Receipt, Handling and Storage	Barber, Kevin E
13344	Mechanical Replacement of Scrubber S-1190	The scope of this CCF includes the mechanical replacement of Scrubber S-1190 located on the platform above the Waterglass building. The existing scrubber and exhaust fan will be removed from the platform and a new nearly identical scrubber and fan will be installed in the same location.	The existing scrubber has reached its end of life.	Above the Waterglass building	ISA-15 URRS Wastewater Treatment System	Stutts, Roy D
13345	Installation of UPS Power to Gamma Scanner #4 PLC and HMI	Install and connect UPS power to Gamma Scanner #4 PLC and HMI	This will prevent loss of control and loss of alarm history which could occur during brownouts/blackouts which occasionally occur in the facility	Mechanical Side - Gamma Scanner #4	ISA-10 ADU Rods	Barber, Kevin E
13346	Additional Circuits for Golf Cart Charging Station at Cylindar Wash	With this CCF, we will install additional circuits for the Golf Cart charging station at Cylindar Wash.	Per Greenbook 63830, additional outlets are needed at the golf cart charging station.	Golf cart charging station at Cylindar Wash	Grounds	Parker, James A
13347	Re-Wiring of Power for LT-1187	Re-wire power for LT-1187 so that it is fed from the new Misc C200 power source rather than a separate external power source.	Re-wiring the power source will allow removal of a junction box and also provide an easier method of troubleshooting the power connections	Outside URRS - Waste Treatment	ISA-06 Chemicals Receipt, Handling and Storage	Barber, Kevin E
13348	Grid Area Computer Stand Removal	Remove (5) stationary computer stands (22x20) in Grid Area and (1) stationary computer stand at the RAMCO from the arrangement drawings. These stands need to be relocated periodically and not shown in permanent locations on the arrangement drawings in the Grid Area.	These stands need to be relocated periodically and not shown in permanent locations on the arrangement drawings in the Grid Area.	Mechanical, grid Area	Components	Stutts, Roy D
13351	Installation of Rod Return Channels on Active Gamma Scanners 3 and 4	Install rod return channels on active scanners 3 and 4.	Rods that require rescanning are manually returned to the entrance of the scanner by the inspector. This activity is performed frequently throughout the day. The new channels incorporate rollers to reduce the amount of effort the inspector will need to make when returning rods.	Gamma Scanner #4	ISA-10 ADU Rods	Fallucca, Glenn T

CCF Number	Title	Description	Justification	Location	ISA ID	Engineer
13353	Add barcode labels to IFBA oxidation pans	Add heat resistant barcode labels to all IFBA oxidation pans. Barcodes will be mounted to the stacking prevention devices using stainless steel pop-rivets. The oxidation pan drawing will not change due to only the IFBA pans will have these bar codes added.	The addition of these bar codes is a step toward performing transactions in the IFBA scrap process. This is a pilot program that may eventually roll out to other areas of the plant.	Oxidation pans in IFBA	ISA-14 IFBA Processing	Craig, Brian M
13354	Modify handle of rod transport cart	Modify the handle of the IFBA rod transport cart to more closely reflect the raised handle on the cart.	The current handle is lower than desired for operations to move the cart around. This modification will allow for ergonomically correct handling.	IFBA rod transport operations	ISA-14 IFBA Processing	Craig, Brian M
13356	Conversion Line 2 SIS PLC E-Stop circuit modification	Currently the E-stop is powered from a PLC output. This change will remove the safety PLC from the circuit and power the E-Stop circuit directly from 24VDC. Currently this PLC is not in use and does affect any Safety Related Items.	The existing E-Stop design is flawed in that it will shut off the calciner when a download is attempted. This change will allow downloads while running, and will be consistent with changes previously made to Line 1 by the CCSU project	PLC Control Room	ISA-03 ADU Conversion	Smith, Kerry W
13357	Fixture Drum Adaptor Plate for work carts	Incorporate an adaptor plate to be used in conjunction with work carts for IFBA Coater fixture drum transport.	Currently, carts are modified by welding attachments directly to the carts. This new adaptor plate allows for more flexibility. Under the new design, if a cart malfunctions or becomes unuseable, the adaptor plate is simply removed by unbolting and attached to a new or different cart, instead of the whole apparatus being discarded.	Pellet Coating Miscellaneous Operations	ISA-14 IFBA Processing	Sinegar, Jill G
13358	Calciner Burner Relay Substitution	With this CCF, we will substitute Cutler-Hammer's D26MPR control relay with Eaton's D26MPR control Relay. The parts are physically and functionally identical. This substitution CCF will serve as a substitution for use on all ADU Conversion Lines in the first out detector application. SSC: ADUCAL-907 No Dwg changes.	Eaton has bought out Cutler-Hammer and change the label on its product. The item labeled Cutler-Hammer is no longer available.	Conversion Calciners 1-5	ISA-03 ADU Conversion	Parker, James A
13359	P-7092 Mop Water Pump Gearbox Replacement	Replace the gearbox on the P-7092 mop water filter feed pump to obtain an output of 24 RPM versus the current design of 57 RPM.	Current gearbox required the VFD to operate at it's lower limits. Reducing the gearbox output will allow for more flexibility and potentially lower filter feed rates.	IFBA - FA3 Waste Processing	ISA-14 IFBA Processing	Trayers, Michael E
13360	Tab Welder Upper Guide Rail assy	Change the tab at the ends of the delrin rail cover to be .75" thick.	So they have less opportunity to break off.	Tab Welder in Tube Prep	Clean Side Rod Area	Davis, Alicia D
13361	overhead crane in chemical side rebuild area	Install overhead crane in the chemical side rebuild area (pump shop)	For lifting safety to prevent any more injuries	Rebuild shop	Grounds	Stafford, Kris

CCF Number	Title	Description	Justification	Location	ISA ID	Engineer
13368	"Manual Dry" Standpipe on outside wall of the CFFF	Install a "manual dry" standpipe system on the outside west wall of the CFFF, between Dock 2 and Dock 3. This system will be used to deliver fire protection water to the roof by connecting a fire truck pumper to the lower Siamese connection.	The last emergency preparedness audit identified the need for an additional dry standpipe on the west side of the building.	Building and Grounds / Fire Protection System	Grounds	Page, Phillip B
13369	Temporary Diesel Compressor	Remove existing electric rental compressor from service and stage diesel engine driven compressor and standalone dryer for emergency backup service during startup of new Atlas Copco compressor under CCF-13175. The diesel unit will only be put in service if one of the existing Kobelco units in the mechanical area fails, and will be located adjacent to the outside compressor room next to the boiler house. CCF startup will approve use of diesel compressor, and following startup of CCF-13175 the diesel will be disconnected. No temporary compressors, electric or diesel, will remain after completion of this CCF.	Allow for contingent air supply during replacement of power panel and startup/commissioning of new Atlas Copco Compressor	Compressor Room #2	Grounds	Knight, Christopher S
13370	Replacement Of Pelleting Oxidation Ovens Lines 3 and 4	The pelleting oxidation ovens that support recycle of both pellet and powder scrap that are 30 years old need replaced. The ovens will be replaced with upgraded versions of the existing Blue M ovens that have been used at CFFF for years. This CCF will cover the electrical installation of Pellet Line #3 and Pellet Line #4 new oven and hood system. Both systems are identical and will be installed at the same time.	Ovens are old and worn out. They have manual opening doors and many other equipment aspects that cause these ovens to be difficult to use. Most of the systems and components of the systems are beyond their useful life.	Pelleting Line 3	ISA-19 Hoods and Containment	Harpster, Leon J
13374	Relocation of Stills Holding Tank Levels LI-1107, LI-1108 and LI-1109	Relocation of the LI-1107, and LI-1108 and associated pumps Honeywell TDC Box to Honeywell Experion Misc C200	TDC hardware is obsolete and being removed	Outside URRS - Ammonia Stills Area	ISA-06 Chemicals Receipt, Handling and Storage	Barber, Kevin E
13375	Relocation of Stills Holding Tank Levels LI-1140 and LI-1175	Relocation of LI-1140 and LI-1175 from Honeywell TDC box to Honeywell Experion Misc C200	TDC hardware is obsolete and being removed.	Outside URRS - Ammonia Stills Area	ISA-06 Chemicals Receipt, Handling and Storage	Barber, Kevin E
13376	Relocation of a portion of Still 2 Control Loops	Work will be broken into Several CCFs. This CCF is for relocation of FI-1176, pH-1183, TIC-1178D, FIC-1178A and LI-1111 from Honeywell TDC Box to Experion Still 2 C200	TDC hardware is obsolete and being removed.	Outside URRS - Still 2	ISA-06 Chemicals Receipt, Handling and Storage	Barber, Kevin E
13377	Relocation of a portion of Still 2 Control Loops	Work will be broken into Several CCFs. This CCF is for relocation of LIC-1178, LIC-1180, LIC-1181, DIC-1180 and PIC-1180.	TDC hardware is obsolete and being removed.	Outside URRS - Stills 2	ISA-06 Chemicals Receipt, Handling and Storage	Barber, Kevin E
13378	Relocation of a portion of Still 1 Control Loops	This CCF is for the temporary relocation of Still 1 Points: LI-1110, DIC-1103 and pH-1144 to Still 2 Honeywell C200	TDC hardware is obsolete and being removed	Outside URRS - Stills 1	ISA-06 Chemicals Receipt, Handling and Storage	Barber, Kevin E

CCF Number	Title	Description	Justification	Location	ISA ID	Engineer
13379	Replace Undersized Steam Trap w/Proper Size.	This CCF will allow replacement of the Spirax Sarco FT-75 steam traps that are currently in the vaporizer main steam header line with Spirax Sarco FT-125.	The steam header pressure is normally 115-120 psig which exceeds the maximum pressure of 75 psig on the current trap. The replacement trap will have a rating of 125 psig.	UF6 Bay	ISA-03 ADU Conversion	Hudson, Christopher W
13380	Provide locking collars for ADU Rod Line 1 rotary flipper	Add locking collars to the rotary flipper mechanism of ADU Rod Line 1	The rotary flipper set screw/key does not secure the mechanism reliably. Locking collars on the shaft on both sides will prevent the rotary flipper from moving on the shaft.	Rod Queue Rotary Flipper	ISA-10 ADU Rods	Sinegar, Jill G
13381	Add Bleed Valve to CL1 Calciner Vent Line	<p>Add a 1/2-inch bleed valve to the calciner vent line on Conversion Line 1. The valve will be added to the straight piping spool piece in the vent line closest to where the 55-degree piping joins the vertical section above the scrubber. A 1/2-inch spring return (fail closed position) ball valve (full port, 316 SS body, stellite ball, 316 SS and stellite seat, graphite gasket/stem packing, raised face flanged end connections) will be used.</p> <p>See the attachments for information on the valve and spring return handle from the manufacturer.</p>	This modification, which will provide a bleed valve for relieving system pressure prior to rodding out the vent line, is to address CAPs commitment # 11-212-C002.01. If successful, a similar design may later be added on the other Conversion Lines.	Conversion Line 1	ISA-03 ADU Conversion	Weathers, Stephen H
13382	Allen-Bradley Contactor Substitution; Obsolete Part Mapcon StRm#927023	<p>With this CCF, we will replace in the store room mfg. part number **700S-CF530DJC** with **700S-CF530EJC**. The storeroom setup sheet will be changed.</p> <p>The replacement unit is the mfg suggested replacement and this CCF will allow this device to be used as a replacement for **700S-CF530DJC**; unless it is used in a safety significant control.</p> <p>If used in an SSC application, a separate CCF/ITR will have to be generated.</p> <p>The new device functions in the same manner as the old device.</p> <p>Per the Mfg, the dual wound and pure DC coils on IEC contactors and relays have been discontinued and have been directly replaced with Electronic 24VDC coils. This means the part number would change from a DJ coil code to an EJ, so we will now order # 700S-CF530EJC. This happened in December 2012.</p>	Per the Mfg, part number **700S-CF530DJC** has been discontinued. Mfg. part number **700S-CF530EJC** is the suggested replacement.	Storeroom Parts Substitution	Components	Parker, James A

CCF Number	Title	Description	Justification	Location	ISA ID	Engineer
13383	CAS Stations 14/17 wiring	Install new wiring between CAS stations 14 / 17 and the CAS computer at the main guard desk. The ITR is attached.	<p>Due to the degraded wiring between CAS stations 14 / 17 and the CAS computer at the main guard desk, an additional piece of communication equipment (a multiplexer) had to be installed. Over time, these multiplexers have occasionally failed.</p> <p>By replacing the wiring we will:</p> <ol style="list-style-type: none"> 1. Have improved communications from the stations to the CAS computer. 2. Will no longer need the multiplexers thereby increasing reliability. 3. These stations will now again be wired like all of the other stations in the Plant. 	UF6 pad area, main guard desk	Grounds	Gantt, Stephen G
13384	V1081 Base Plate	Change design of base plate (Item 23) thickness from 1/2" to 3/4".	By making the plate thicker will help prevent it from warping when welding the pipes to it. Also, if plate is etched from flourides, etc., it can be refurbished to a smooth finish by Tool Shop while still meeting thickness tolerance.	V1081	ISA-07 Solvent Extraction	Wright, Kendrick
13386	ADU Rod Line #4 Positioner Mount Mod	Replace mounting hardware for newly installed positioner cylinders on the Loader and Seal Weld positions.	Original mounting hardware did not match drawings. New hardware will correct this issue.	CFFF, ADU Rod Line #4	ISA-10 ADU Rods	Strimple, David C
13388	Ipsen Diffusion Pump - Water Jacket Repairs	A new jacket shield will be installed on top of the existing water jacket as a measure to address the the leaks and degraded equipment.	The water jacket on the diffusion pump has various patches to address previous leaks.	Ipsen Furnace	Components	Trayers, Michael E
13395	EMPTY CONTAINER ENTRY DOOR AWNING	PURCHASE AND INSTALL AN AWNING AT THE EMPTY CONTAINER ENTRY DOOR TO STOP RAIN WATER FROM ENTERING SHIPPING AREA	TO HAVE THE ENTRY PROTECTED FROM THE ELEMENTS.	OUTSIDE AND EAST OF DOCK 1	Grounds	Stutts, Roy D
13396	PROJECT STORAGE BUILDING STAGING ADDITION	ADD A NEW ENCLOSED AREA AT THE WEST END OF THE BUILDING TO STAGE COMPONENTS FOR STORAGE.	TO INSURE THAT COMPONENTS ARE PROPERLY TAGGED BEFORE STORAGE.	PROJECT STORAGE BUILDING	Grounds	Rawlings, James W
13399	Divide records room in medical into two rooms	Create a lacionation station with sink and privacy for nursing mothers.	Currently the CFFF does not provide any proper place for nursing mothers to pump.	Records room	Grounds	Stafford, Kris

CCF Number	Title	Description	Justification	Location	ISA ID	Engineer
13402	Install New Eyewash Station in Xray Film Processor Room	Install new eyewash station in Rod Inspection X-ray Film Processor room to meet new EHS flushing capacity requirement.	EHS implementing new requirement for 15 minutes of flushing capacity for eye/face wash stations.	Rod Inspection X-ray Film Processor / Dark Room	ISA-10 ADU Rods	Sinegar, Jill G
13404	Vibrating Fork for Liquid Level Substitution; Obsolete Part Mapcon StRm#286526	With this CCF, we will replace in the store room mfg. part number **2120C2GR1NADD** with **2120C2GV1NADE0197**. The storeroom setup sheet will be changed on completion of this CCF. The replacement unit is the mfg suggested replacement and this CCF will allow this device to be used as a replacement for **2120C2GR1NADD**; unless it is used in a safety significant control. If used in an SSC application, a separate CCF/ITR will have to be generated. The new device functions in the same manner as the old device. No drawing changes required.	Per the Mfg, the item is same as before but the model number has been changed.	Store Room Substitution	Grounds	Parker, James A
13405	Addition of Pressure Transmitter on Scrubber Nozzle Flow	Add pressure transmitter to allow monitoring and trending of pressure to scrubber nozzles	Concern regarding sufficient flow and pressure to nozzles in scrubber	Outside URRS - WaterGlass	ISA-15 URRS Wastewater Treatment System	Barber, Kevin E
13406	Install LAN line to the sample station and the consolidation station	Run a PCN LAN line to the sample station and to the consolidation station. The line to the sample station to allow for a ChAMPS terminal to be installed. A temporary line to the consolidation station will be ran to allow for processing until permanant conduit can be ran.	A ChAMPS terminal must be installed per CAPS 13-178-C004.02. Part of the install will require penetrating the bulk room wall. An action item will be required to seal around the conduit that penetrates the wall prior to re-starting the bulk room.	Bulk Blending	ISA-05 ADU Bulk Powder Blending	Hudson, Christopher W
13407	Wall mount air conditioner in PIB #1	Replace the existing 1 ton wall mount AC unit in Process Interface Building (PIB) #1 with a wall mount 1-1/2 ton AC unit.	The existing unit is undersized and very inefficient. The new unit has an Energy Efficiency Ratio of 9.0 and operates with Green Refrigerant R-410A.	Roof - Conversion Platform	Grounds	Page, Phillip B
13409	Remove switch posts in QC Rod Inspection	Posts were previously used for switch mounting near the channel conveyor from Gamma Scanning to D&V Inspection. This request is being submitted to allow for removal of the posts and switches from the area. The area no longer uses the system (used to be a rod dumping system). All other associated elements of the rod dump have been removed.	The posts create obstacles in the work area for the Inspectors and are causing bump and trip hazards.	Channel Conveyor between Gamma Scanners and D&V Tables	ISA-10 ADU Rods	Sinegar, Jill G
13410	Add a Chemical Seal to Pressure Gauge on the Discharge of P-756	Add a Chemical Seal to Pressure Gauge on the Discharge of P-756	The current pressure gauge is getting corroded by the process fluid. This change will make the system safer and more reliable.	SOLX/ Dirty Dissolver	ISA-04 Safe Geometry Dissolver	Eddy, Margaret R

CCF Number	Title	Description	Justification	Location	ISA ID	Engineer
13411	Add CAAS Horns to the roof area	Install additional CAAS horns on the roof of the plant.	There are insufficient CAAS horns on the roof area of the plant. There are many areas where the ventilation systems make it difficult or impossible to hear the alarm. Installing these horns will make the area safer for personnel.	Roof of Main Plant	Grounds	Gantt, Stephen G
13412	Moisture Trap Redesign for Helium Line Analyzer	Replace the existing three (3) SGE Analytical Moisture Traps model 103487 with a single Servomex Humidity Trap Assembly number 02001956A.	The current moisture traps are oversized and require a long time to stabilize during routine calibrations. The new model is smaller and similar in size to the prior model moisture traps which were Swagelock T3AR Molecular Sieve Traps, see CCF number 13141. All three analyzer feeds (sample gas, zero gas and span gas) can feed through a single moisture trap.	URRS - Outside - Waste Treatment Instrument Shop	ISA-06 Chemicals Receipt, Handling and Storage	Trayers, Michael E
13413	Ventilation Duct on Acid Stripping Hood in IFBA	Replace ~ 20 feet of 9" diameter ventilation duct on the Acid Stripping Hood XB-7156 in the IFBA Scrap Cage. The new duct and fittings will be fabricated using 18 gage 316L stainless steel. Flanged connections will be sealed using viton gaskets and stainless fasteners.	The existing duct is degraded and leaking at welds and flanged connections.	IFBA Scrap Cage	ISA-01 Plant Ventilation System	Page, Phillip B
13414	Tray Loader Guide Modification	Modify the tray loader guide (item 87; nearest the pellet stop) to prevent a pellet from accumulating between the new pellet transition and the tray.	Pellets occasionally flip over the pellet transition if the 'row full' sensor and/or the pellet stop is not setup correctly. This will help alleviate issues associated with a pellet collecting under the transition which prevents the tray from raising to the pellet load position.	Pellet Line 3 Tray Loader	ISA-08 Pelletting	Edwards, Logan W
13415	Connection Block Substitution; Mapcon #360228	With this CCF, we will replace in the store room mfg. part number 11249 with 12982. The storeroom setup sheet will be changed on completion of this CCF. This is the suggested replacement per the Mfg. and this CCF will allow this device to be used as a replacement for 11249; unless it is used in a safety significant control. If used in an SSC application, a separate CCF and if necessary an ITR will have to be generated.	The new device does the same thing as the old device. Per the Mfg, p/n 11249 was replaced by p/n 12984. But, p/n 12984 was modified by Viscotherm to have a designation of NW10L. The "L" indicated a leakage line was installed on the connection block. This modified block can't be used. The correct block p/n 12982 CONNECTION BLOCK NW10 is a standard block with-out leakage line, and can be used.	Store Room Substitution	Grounds	Parker, James A

CCF Number	Title	Description	Justification	Location	ISA ID	Engineer
13417	Fire Retardant Plastic Curtain Around V-1081	Install a fire retardant plastic curtain around the V-1081 column. Plastic to hang from approximately 6' from the top of the column to approximately 3" above the floor. Curtain not to contain any pockets to hold liquids. Curtain to have access flaps cut into the sides to allow operators to view the column during operation.	V-1081 column is leaking and curtain is to contain any potential splashing or spraying if the leak worsens.	URRS - SOLX 1	ISA-07 Solvent Extraction	Trayers, Michael E
13419	WaterGlass 1190 Scrubber Modifications	The modifications to the WaterGlass 1190 Scrubber will be to replace the existing pump(5" Dia.) impellers with modified (4-1/2" Dia.)impellers. Also install a new Dam inside the Pad Box. After inspection and testing, additional drilled holes may be necessary to achieve correct flow for unit.	To maintain correct flow levels and GPM through 1190- Scrubber unit	Plant Grounds / WaterGlass	ISA-15 URRS Wastewater Treatment System	Barber, Kevin E
13421	CREATE MAINTENANCE PPE STORAGE ROOM	Change URRS technicians office near the chemical development lab to a storage room for maintenance PPE.	We have purchased 3 full body suits for working on the hot oil system and need a place to keep them safely stored, we will also be able to consolidate into one area for many of our PPE equipment.	URRS tech shop office	ISA-13 Low Level Radioactive Waste Processing	Stafford, Kris
13422	T-1109 Lime Slaker Controls Relocation	Relocate Level, mixer and pumps for T-1109 from Honeywell TDC to Experion C200	TDC is obsolete and being removed	Outside URRS - Lime Slaker	ISA-06 Chemicals Receipt, Handling and Storage	Barber, Kevin E
13423	Electrical Connection for Temporary Package Plant	Install electrical connections required to operate the equipment brought on site to configure a temporary package plant.	The installation of a Temporary package plant is required in order to take the current package plant Off-Line for refurbishment. To do this it is required to connect the temporary package plant to the electrical systems of the manufacturing facilities. Upon completion of the project it will be necessary to disconnect the temporary package from the manufacturing facilities.	Outside URRS Package Plant	Grounds	Eddy, Margaret R
13424	Relocate Lights Between North and South Lagoons and the Package Plant	Relocate Lights Between North and South Lagoons and the Package Plant to the new pipe rack.	It is necessary to move the lighting that is occupying the space that the temporary plant is going to be installed. These lights will remain in their new locations after the temporary plant is removed. This will ultimately provide better access for equipment to support the package plant and the dewatering building.	Outside URRS Package Plant	Grounds	Eddy, Margaret R

CCF Number	Title	Description	Justification	Location	ISA ID	Engineer
13425	Add a mechanical shutter to the D&V Inspection Barcode Scanners	Installation of a mechanical shutter to cover the scanner beam while stored in the upright position is being requested.	When the scanner is stored in the upright position the scanner beam could be offensive to Inspectors' eyes during the Inspection process. In order to eliminate the nuisance, a mechanical shutter will be added to cover the beam while the scanner is raised.	D&V Inspection Tables	ISA-10 ADU Rods	Sinegar, Jill G
13426	Relocation of Still 2 Points for 1176 and 1180	Relocate Temperature Points TI-1176A and TI-1176B from Stills Misc C200 to Stills 2 Control Panel. Relocate turbidity controls from TDC Box 29 to Stills 2 Control Panel	New Controller for Stills 2 has been installed and TDC boxes are obsolete	Outside URRS - Still 2	ISA-06 Chemicals Receipt, Handling and Storage	Barber, Kevin E
13427	Relocation of Stills Cooling Tower Controls and Addition of Power Supply Monitoring Points	Relocate controls for Cooling Town 1186 from TDC Box to Still 2 Control Panel. Add new Still 2 Power Supply Monitoring points.	TDC Box is obsolete and new Still 2 C200 was installed to accomodate all Still 2 Points	Outside URRS - Still 2	ISA-06 Chemicals Receipt, Handling and Storage	Barber, Kevin E
13428	Still 2 Points Relocation (For 1175, 1177 and 1178 Points)	Relocate points from Misc Stills C200 and Box 29 to new Stills 2 Control Panel. (Points to be moved are: PSH1178, FIC_1178, FIC_1178D, PI_1178D, FIC_1178B and FIC_1178B).	TDC Box is obsolete and a dedicated C200 for Stills 2 points has been installed	Outside URRS - Stills 2	ISA-06 Chemicals Receipt, Handling and Storage	Barber, Kevin E
13429	remove abandoned steam pipe	On line 2, there is a section of steam pipe that hangs down below the platform near the fitzmill that used to be attached to something. It is no longer in use and should be shortened and capped.	Section was abandoned in place.	line 2, platform level	ISA-03 ADU Conversion	Dudas, Lisa M
13430	Guard rail for envelope fixtures	Extend guard rail at envelope fixtures to reach along the entire back side of the fixtures and change material of construction to unpainted 304 stainless steel.	Currently a collapsible gate is use to block access, this will make it look better and eliminate potential for paint chips.	envelope fixtures	ISA-17 Final Assembly	Stafford, Kris
13431	cover old dampers in hot oil room	Cover the dampers in the south wall of the hot oil room. A piece of sheet metal will be installed over the openings. ADUHOS-906 (fire barrier) will need to be inspected when work is complete	Eliminating these penetrations through the fire wall will improve the fire safety of the room. The dampers are no longer needed for air flow in the room.	hot oil room	ISA-03 ADU Conversion	Dudas, Lisa M
13432	Temporary fire water connected to water softner	On September 21st, the city water supply to the CFFF will be shut off. In order to maintain feed water to the Power Master Boiler, we will temporarily connect a hose from a fire hydrant to the water softeners. Immediately upon the return of city water to the facility, the temporary connection will be disconnected between the fire hydrant and the softeners and the city water supplying the softeners will be returned to normal. We will throttle the water flow to the softeners using a globe valve in order to limit fire pump use.	By maintaining steam pressure to the CFFF during the water outage, we eliminate the need to perform pressure checks in the Conversion Area.	Boil House #2	Grounds	Page, Phillip B

CCF Number	Title	Description	Justification	Location	ISA ID	Engineer
13433	Removal of Vacuum Cleanout Pipe in Leco Room of Chem Lab	Vacuum pipe in LECO Room of Chem Lab needs to be removed. Pipe may contain uranium powder and chips.	Pipe removal is needed to push back tables back to walls to make more room. Also, the pipes are obsolete and no longer needed.	Chemical Lab LECO Room	ISA-18 Laboratories	Krissinger, Mark
13434	UF6 bay crane load wheel replacement	<p>Replace the load wheels on the UF6 bay crane. The specs are the same, but from a different manufacturer. The new end trucks are Yale model 10/48UDV95N.</p> <p>The crane is part of UF6CYL-110, so it will need to be load tested upon completion.</p>	Wheels are getting worn, and the old part number is no longer available.	UF6 bay crane	ISA-03 ADU Conversion	Hudson, Christopher W
13435	Hydrogen pipes open to atmosphere	Currently, the main 3" hydrogen header supplying the CFFF has two 3/4" branch lines that are open to the atmosphere. There are normally closed gate valves on each branch, however the downstream pipes are open plain end. This CCF will allow these two open end lines be capped using a mechanical Smith Blair 244 full circle redi-clamp and a short section of 3/4" carbon steel pipe with a socket weld cap on the end. This will seal the open to atmosphere hydrogen pipes without field welding, which would require shutting down the CFFF. Note, the normal hydrogen pressure on this header is 28 psi.	An open to atmosphere hydrogen pipe is a fire hazard and also poor engineering practice. One of these valves is currently weeping hydrogen to the atmosphere and this repair should prevent any further hydrogen leaks until the next power outage in 2015.	Building and Grounds / Outside wall of the UF6 Bay	Grounds	Page, Phillip B
13436	Remove Section of Grating of Ventilation Opening in URRS Hood RH-1070	Remove the bottom 1" section of grating off of the ventilation opening in URRS Hood RH-1070. This is the Sorting Hood in SOLX.	The ventilation duct behind the grate appears to have some material build up. We need to remove the grating on the bottom on inch of the rectangular opening. This will allow operations to insert a vacuum hose for clean out.	SOLX	ISA-19 Hoods and Containment	Eddy, Margaret R
13437	Change UT Rod Return Arms from Aluminum to Stainless Steel	Change UT Rod Return Arms from Aluminum construction to Stainless Steel.	The UT rod return arms have the potential to come in contact with the product, and therefore it would be desirable to have them constructed of stainless steel rather than Aluminum.	UT #1 and #2	ISA-10 ADU Rods	Sinegar, Jill G
13438	V-7092 and V-7093 Sample Valve Extension	Install extension spools before the sample valves on the V-7092 and V-7093 vessels in IFBA FA3 Mop Water System.	Extend valves out past the level transmitters to provide better operator access and remove safety concern.	IFBA - FA3 - Mop Water	ISA-14 IFBA Processing	Trayers, Michael E
13439	GENERATOR #2 FUEL LINE CHECK VALVES	Install two in line check valves, one is the fuel supply and one in the fuel return lines on Generator #2. These check valves are recommended by the OEM and are shown on the attached factory BOM.	These check valves will resolve the engine oil contamination caused by open fuel injectors when the engine is not operating.	Generator #2 in the UF6 Bay	ISA-03 ADU Conversion	Page, Phillip B

CCF Number	Title	Description	Justification	Location	ISA ID	Engineer
13440	Add Receptacle Between Vaporizer 301 & 401	This CCF is to install conduit and wire from RP-300 to a new receptacle between Vaporizers 301 and 401. The receptacle will be used for a cord reel that will plug into an electric impact wrench. Impact wrench to be used to tighten the vaporizer lid hold down bolts. Similar installation to cord reel installed between vaporizers 101 and 201.	Need ability to tighten vaporizer lid hold down bolts.	UF6 Bay	ISA-03 ADU Conversion	Lundy, Kevin J
13441	Temporary installation of plastic sheeting on ADU rod lines	After all rods have been removed from the lines. Install fire retardant plastic sheeting over ADU rod lines 1-4, or any subset thereof, to complete work overhead. Plastic will be removed once all overhead work is complete.	Required by CSE-99-G	ADU Rod Area	ISA-10 ADU Rods	Davis, Alicia D
13442	Install Float Valve on Hot Rinse Tank	Install a float valve to control DI water addition to the hot rinse tank. Valve will automatically close when tank hits a predetermined level.	Current fill method is opening a manual valve when required. If valve is left open, tank can overflow into trench which will eventually overflow causing considerable clean up and waste costs.	Grids - Plating Room	Grounds	Trayers, Michael E
13443	Install Float Valve on Etch Rinse Tank	Install a float valve to control DI water addition to the etch rinse tank. Valve will automatically close when tank hits a predetermined level.	Current fill method is opening a manual valve when required. If valve is left open, tank can overflow into trench which will eventually overflow causing considerable clean up and waste costs.	Grids - Plating Room	Grounds	Trayers, Michael E
13444	Install Float Valve on Electro-Clean Rinse Tank	Install a float valve to control DI water addition to the electro-clean rinse tank. Valve will automatically close when tank hits a predetermined level.	Current fill method is opening a manual valve when required. If valve is left open, tank can overflow into trench which will eventually overflow causing considerable clean up and waste costs.	Grids - Plating Room	Grounds	Trayers, Michael E
13445	Warm Caustic Gamma Monitor Calibration Puck	Create a calibration puck for the Warm Caustic gamma monitors and install shielding on process and test sleeves.	The current method involves creating and handling uranyl nitrate solutions. This method is cumbersome, time consuming, and has safety concerns when handling solutions. Shielding is required to obtain an accurate calibration and process readings.	Waterglass Building	ISA-15 URRS Wastewater Treatment System	Lowe, Vernon E
13450	Addition of 2 valves with extended handles to underflow pipe in package plant	We want to add a valve to each side of the underflow pipe in the package plant to allow for the ability to isolate one side during operation if necessary.	If an issue arises with the package plant, we will now have the ability to do repairs with one side remaining operational. It also provides the ability to perform regular maintenance and upkeep of the refurbished package plant.	Package Plant	Grounds	Eddy, Margaret R

CCF Number	Title	Description	Justification	Location	ISA ID	Engineer
13451	Chem Lab hood receptacle	<p>With this CCF, we will install a receptacle at the Chem Lab hood for the vacuum cleaner.</p> <p>On completion, this will allow the operators of the ChemLab the ability to move the vacuum closer to the moisture sampling hood outside the Chem Lab???'s back door.</p>	They are currently plugging in a receptacle down the wall, creating a trip hazard at the sample window.	moisture sampling hood outside the Chem Lab???'s back door	ISA-18 Laboratories	Parker, James A
13454	Add a Suction Hose to the Suction Side of Pump, P-1168D	A suction hose will be added to the suction side of Pump, P-1168D. This suction hose will be used to transfer material out of the drip pan located under Filter, F-1168, to V-1168. It can also be used to transfer material out of the F-1168 Filter Plate Wash Basin to V-1168, as well as other miscellaneous offstream materials that originate in the Warm Caustic Waterglass Cake Dissolution Process. Cam-and-Groove hose couplings will be used on one end of the hose and on the drain valve on the filter plate cleaning table to facilitate attachment of the hose to the drain valve.	There is no drain in the drip pan located under the F-1168 Filter. A suction hose will be used to remove liquids from this pan. A suction hose may be easier to use in emptying the F-1168 Filter Plate Wash Basin than a hose connected to the drain valve and dropped into the top of X-1168.	Between X-1168 and P-1168D Inside the Waterglass Building	ISA-15 URRS Wastewater Treatment System	Shuler, Robert G
13455	Oxidation Ovens 3 and 4 Switch Operator Change	The current switch operator for the door on the new oxidation ovens on Pelleting Oxidation Ovens on Lines 3 and 4 is to be changed from maintained to spring return to center. The BOM for the electrical prints will be changed but there will be no schematic changes to the prints.	The existing button allows the operators to leave it in the up or down position which has caused winch cable issues when the door does not operate properly.	Main Aisleway area at entrance between Pelleting and Conversion.	ISA-19 Hoods and Containment	Harpster, Leon J
13456	Temporary water supply to safety showers / eye wash stations	<p>On September 21st, the city water supply to the CFFF will be shut off. In order to maintain water supply to (2) Chemical Area eye wash / safety shower stations (2-01 and 2-06), we will temporarily connect hoses from a fire hydrant to the stations. Immediately upon the return of city water to the facility, the temporary connections will be disconnected between the fire hydrant and the stations and the city water supplying the stations will be returned to normal.</p> <p>The hoses used for these temporary connections are rated for 200 psi working pressure.</p>	These (2) safety shower / eye wash stations will be available if needed during the city water outage.	Chemical Area	Grounds	Page, Phillip B
13458	Remove abandoned water heater disconnects	Remove the abandoned in place disconnects and conduit which at one time fed the water heaters for the cafeteria. These disconnects are located in Equipment Room #1 and are fed from MCC-7702.	It is good engineering practice to remove abandoned equipment.	Equipment Room #1	Grounds	Page, Phillip B

CCF Number	Title	Description	Justification	Location	ISA ID	Engineer
13459	Make up water to Cooling Towers on September 21st	On September 21st, the city water supply to the CFFF will be shut off. This CCF allows the following towers be supplied with make-up water via two 21,000 gallon frac tanks, two diesel powered centrifugal pumps and a series of suction and lay flat hoses: (3) cooling towers for Equipment Room #1, (3) cooling towers for Equipment Room #3, (2) IFBA cooling towers and the ERBIA cooling tower. The frac tanks will be filled with on site city water. A 6 foot x 8 foot x 8 inch spill guard will be positioned around each diesel powered pump. All equipment will be supplied by Rain for Rent.	The chillers will remain on line during the city water outage.	Plant Grounds	Grounds	Page, Phillip B
13461	Change Pumps and Install Y Strainer on Spiking Station 1	Install new ARO pumps and Y strainer in UN line on Spiking Station 1 just like CCF-13153 for Spiking station 2.	Toshiba Audit Findings	UF6 Bay	ISA-03 ADU Conversion	Hudson, Christopher W
13462	Replace Patriot Upender Quick Release Pins	The existing quick release pins that connect the support arms to the Patriot (BWR) Upenders will be replaced with a new quick release pin with a T-handle.	The existing pins have a small ring end and are difficult to grasp.	Final Assembly Packing Area	ISA-17 Final Assembly	Stutts, Roy D
13465	V1481 Base Plate	Change design of base plate (Item 01) thickness from 1/2" to 3/4".	By making the plate thicker will help prevent it from warping out of tolerance when welding the pipes to it. Also, when plate is etched from chemicals, it can be refurbished to a smooth finish by Tool Shop while still meeting the thickness tolerance.	V1481	ISA-07 Solvent Extraction	Wright, Kendrick
13467	Modify the Forklift Polypak Carrier	This CCF will add additional tubing to the frame of the forklift polypak carrier. This tubing will act as bumpers to keep the mast of the forklift away from the carriers so that they will not be damaged by the mast. This CCF will also replace the temporary nameplate on the frame of the carrier with a permanent SS nameplate	If the mast of the forklift is tilted to far forward, the mast can contact the top of the carriers and damage them. The carrier currently has a temporary stick-on nameplate.	URRS Area Outside and Waterglass Building	ISA-15 URRS Wastewater Treatment System	Shuler, Robert G
13468	Modify Door to the X-1168 Polypak Enclosure	Add a pull handle to the door and add stops at the top of the door to prevent the door from inadvertently coming out of the track.	Modifications to the door are needed to make it more operator friendly.	Inside the Waterglass Building on X-1168	ISA-15 URRS Wastewater Treatment System	Shuler, Robert G
13469	Remove Pipe leg for liquid fuel addition for incinerator	We are taking the liquid fuel system for the incinerator area out of service. We are going to go ahead and remove one leg of pipe to verify that the process can not function for CSE implementation. The remainder of the equipment will be removed at a later date.	The system does not function properly and is being removed from service.	Incinerator	ISA-13 Low Level Radioactive Waste Processing	Eddy, Margaret R

CCF Number	Title	Description	Justification	Location	ISA ID	Engineer
13472	V101B Vessel Modifications and UF6 Valve Relocation	Add 4" nozzle and repad for relocation of Kerotest UF6 Shutoff valve. Install guarding for valve. New internal and external UF6 piping will be installed to facilitate changes. Additional 1" 300lb flanged connection to be added on piping for future BPCS pressure transmitter. Install new lid with 8" access port and new UF6 30B cylinder valve operator. Relocate steam supply and steam condition equipment for vaporizer to overhead manifold and install air pilot steam regulator. Add local disconnect for LOTO for each vaporizer lid actuator motor.	Reconfigure nozzle attachment for UF6 outlet on steam chest to improve seismic risk. New design limits relative movement between steam chest and UF6 shutoff valve and protects valve from falling debris.	UF6 Bay, Line 1 Vaporizers	ISA-03 ADU Conversion	Knight, Christopher S
13473	V101A Vessel Modifications and UF6 Valve Relocation	Add 4" nozzle and repad for relocation of Kerotest UF6 Shutoff valve. Install guarding for valve. New internal and external UF6 piping will be installed to facilitate changes. Additional 1" 300lb flanged connection to be added on piping for future BPCS pressure transmitter. Install new lid with 8" access port and new UF6 30B cylinder valve operator. Relocate steam supply and steam condition equipment for vaporizer to overhead manifold and install air pilot steam regulator. Add local disconnect for LOTO for each vaporizer lid actuator motor.	Reconfigure nozzle attachment for UF6 outlet on steam chest to improve seismic risk. New design limits relative movement between steam chest and UF6 shutoff valve and protects valve from falling debris.	UF6 Bay, Line 1 Vaporizers	ISA-03 ADU Conversion	Knight, Christopher S
13476	Line 3 Steam Chest Vessel Modifications and UF6 Valve Addition	For V-301A & V-301B; Add 4" nozzle and repad for addition of new UF6 outlet for vaporizers and install Kerotest UF6 Shutoff valves. Install guarding for valves. New internal UF6 piping and external UF6 piping will be installed to facilitate changes. Additional 1" 300lb flange will be added on external UF6 pipe for future BPCS pressure transmitter. V-301B will have new lid installed with 8" access port and new UF6 30B cylinder valve operator. V-301A will use existing lid and valve operator mechanism. Modify UF6 pipe steam tracing manifolds to make room for new UF6 valve guards. New UF6 shutoff valve and steam supply valves will be tied to the Line E-Stop and All Line E-Stop to stop UF6 flow and remove heating source from vaporizers. Valves shall all fail closed on the loss of power or plant air. Also, add a local disconnect for LOTO for each vaporizer lid actuator motor.	Reconfigure nozzle attachment for UF6 outlet on steam chest to improve seismic risk. New design limits relative movement between steam chest and UF6 shutoff valve and protects valve from falling debris.	UF6 Bay, Line 3 Vaporizers	ISA-03 ADU Conversion	Knight, Christopher S
13484	IFBA Mop Water P-7092 Pulsation Dampener and Piping Modifications	Install a pulsation dampener on the discharge side of the P-7092 Mop Water pump and install piping modifications to correct product settling issues.	Pulsation dampener to eliminate water hammer effects and pressure fluctuations from pump. Piping modifications to correct plugging of system piping from product settling in the lines.	IFBA - FA3 - Mop Water System	ISA-14 IFBA Processing	Trayers, Michael E

CCF Number	Title	Description	Justification	Location	ISA ID	Engineer
13485	Respirator Building Water Fountain Removal	Remove water fountain from the Respirator Cleaning Facility.	Water fountain is leaking, causing a safety concern. It is no longer used or needed.	Respirator Building	Miscellaneous	Wright, Kendrick
13486	Install Portable Fume Extractor Model 73-200	Install fume extractor in Non-Fuel Insert Weld Station. This will be used on stainless steel welding only.	Greenbook write up/safety	Non-Fuel	Clean Side Rod Area	Sloop, Michael T
13487	Q-Tanks High Level Alarm & Interlock Changes	<p>The trip points for the Q-Tanks BPCS high level alarms will be changed from 80% to 70%. The trip points for the Q-Tanks BPCS high level interlocks will be changed from 85% to 80%.</p> <p>The drawings will be revised to remove the high level interlock trip points and to instead generically state "process interlock trip point", since the control form and procedures are the correct method for controlling the trip points.</p> <p>Also, the drawings will be revised to remove the SSC high level interlock trip point and to instead generically state "SSC trip point", since the sketches, control forms, and procedures are the correct method for documenting the trip points.</p> <p>Since removing the SSC high level interlock trip point from the drawings does involve the SSC, the ITR is attached.</p>	The trip points for the BPCS high level alarm and high level interlock will be changed to more conservative settings. This will help prevent a potential overflow by allowing more response time to a high level condition.	Q-Tanks	ISA-03 ADU Conversion	Weathers, Stephen H
13488	Relocation of Stills 1 Points Phase 1	Relocation FIC-1100, FIC-1102C, FIC-1109A, FIC-1110, FIC-1102A, FIC-1102B, PIC-1104, ESL/FSL/TBI-1104, TBXV-1104, LIC-1102C, P-1102AB and TIC-1102B from TDC to Experion C200 for Still 1	TDC boxes are obsolete and being removed.	Outside URRS - Still 1	ISA-06 Chemicals Receipt, Handling and Storage	Barber, Kevin E
13489	Relocation of Stills 1 Points Phase 2	Relocation of PI/PSH-1102, P-1126AB, FI-1141, LIC-1141, P-1141AB, LIC-1104, P-1104AB, LIC-1103, P-1103AB, FLS-1124R from TDC to Experion C200 for Still 1	TDC boxes are obsolete and being removed.	Outside URRS - Still 1	ISA-06 Chemicals Receipt, Handling and Storage	Barber, Kevin E
13490	Relocation of Stills 1 Points Phase 3	Relocation of TI-1102A, TI-1102C, TI-1102D, TI-1103A, TI-1103B, TI-1104, TI-1107A, TI-1107B and FIC-1109B to Experion C200 for Still 1	TDC boxes are obsolete and being removed.	Outside URRS - Still 1	ISA-06 Chemicals Receipt, Handling and Storage	Barber, Kevin E
13491	Relocation of Stills 1 Points Phase 4	Relocation of PHI-1144, DIC-1103, LI-1110, MX-1110, P-1110A and P-1110B to Experion C200 for Still 1	TDC boxes are obsolete and being removed.	Outside URRS - Still 1	ISA-06 Chemicals Receipt, Handling and Storage	Barber, Kevin E
13493	Remove H-205C and P-205C from Line 2	Remove out of service heating loop from Line 2 Precipitator.	Equipment is out of service and has not been used for some period of time. Floor space is needed for other equipment	Line 2 in ADU Conversion	ISA-03 ADU Conversion	Walker, Barney W

CCF Number	Title	Description	Justification	Location	ISA ID	Engineer
13496	ADU Rod Line 4 Girth Welder Servo Installation	Install a Servo to replace the DC motor on the Rod Line 4 Girth Welder Rotation System	DC Motor controls are obsolete and do not have the torque nor accuracy of speed control of a servo	Contaminated Side - ADU Rod Lines	ISA-10 ADU Rods	Barber, Kevin E
13497	Data Center Electrical Svc Installation for Racks 43 and 64	With this CCF we will be installing additional electrical svc for Racks 43 and 64. Currently rack 43 services EMC Storage and 64 services Oracl Server (data bases 11 & 13).	*Per request of the Data Center personel. *To provide redundant power source *Preparation for UPS Maintenance *Load distribution	Data Center	Grounds	Parker, James A
13498	Replace Air Conditioning Unit in the Strap Cleaning Room	Install a 10 ton split system Air Conditioning Unit for the Strap Clean / Anneal Room. The new unit is a single compressor system that uses R410A refrigerant.	The existing unit is 20 plus years old, inefficient and uses R-22 refrigerant.	Strap Cleaning Room	Grounds	Page, Phillip B
13500	Installation of thermowells for Line 1 Dryer Fire Detection	Mechanical installation of 8 thermowells on the outside of the Line 1 ADU dryer. This CCF will allow installation during the next outage, in preparation for future installation of a fire detection system under another CCF.	Safety improvement to provide early detection of fire due to hot oil leakage at the dryer.	ADU Line 1 Dryer	ISA-03 ADU Conversion	Smith, Kerry W
13504	Replacement of RTD and Temperature Transmitter on Still 2 TI-1178D	Replace TI-1178D RTD and RTD transmitter with a Rosemount Temperature transmitter and RTD.	The values and range of the Acromag and RTD are questionable. Since this is a temperature value that is used for control, it has been deemed important to the process and a more accurate and repeatble reading is required.	Outside URRS - Still 2	ISA-06 Chemicals Receipt, Handling and Storage	Barber, Kevin E
13508	Install Hot Water Line Inside the Waterglass Building for the F-1168 Filter Plate Cleaning Basin	A new hot water line will be provided inside the Waterglass Building in the vicinity of the F-1168 Filter. This line will be tied into the existing 1" hot water supply line that feeds hot water to the Warm Caustic Waterglass Cake Dissolution Process. A hose will be attached to the end of this new line and will be used to add hot water to the F-1168 filter plate cleaning table as needed for cleaning the filter plates. A local temperature indicator will be installed in the hot water supply line at the bottom of V-1168.	Currently there is no hot water readily available inside the Waterglass Building that can be used for cleaning the F-1168 filter plates. A local temperature indicator is needed in the hot water supply line at the bottom of V-1168 to monitor the hot water temperature when performing a water wash of the F-1168 Filter at the end of a batch.	Inside the Waterglass Building	ISA-15 URRS Wastewater Treatment System	Shuler, Robert G
13511	Install shielding at Gamma Scanner #4	Install shielding at Gamma Scanner #4 to reduce operator radiation dosage.	ALARA	Gamma Scanner #4	ISA-10 ADU Rods	Stutts, Roy D

CCF Number	Title	Description	Justification	Location	ISA ID	Engineer
13512	Import SNM - Material Handling System	<p>Install new material handling equipment to facilitate import Special Nuclear Material (SNM). This equipment will ease the movement of pails from Dock #3 into a Hood Extension, via a manual conveyor. This Hood Extension will allow Production to open the pail, tilt/dump the pail, allow easy removal of the pail contents (SNM) into the Sifter Hood RH-1070, and, finally, pail & lid removal through the front of the Hood Extension.</p> <p>The material handling equipment will consist of: = Hood Extension, which will be attached to the existing Sifter Hood RH-1070. This Hood Ext. will have a separate vent, which will be serviced by the SOLX Torit 1070. = Conveyor which will consist of these pieces: - 58" span from the Dock #3 wall to the Hood Ext. - 18 " inside Dock #3. - Pass thru doorway (installed by CCF-13520). This will allow pail movement from Dock #3 to the side of the Hood Extension.</p> <p>CSE-4-F, "Powder Shipment Processing," was approved 9/5/2013. CSE-1-J, "Solvent Extraction Torit," revision 5 is in draft. Independent Technical Review PSEDoc-0001606 (copy is attached).</p> <p>Supporting CCFs: #13515 CHAMPS station in Dock #3 #13516 Relocate CHAMPS station west of Sifter Hood. #13517 Relocate Sifter Hood RH-1070. #13520 Install Pass Thru Door in Dock #3 Wall.</p>	<p>This mechanical equipment will facilitate pail handling for import Special Nuclear Material (SNM).</p> <p>This equipment will ease the physical stress and strain on the operators, who handle the pails bearing SNM.</p>	URRS Area, Sifter Hood RH-1070 and Dock #3	ISA-04 Safe Geometry Dissolver	McInnis, Steve H
13513	Water heater breaker down size	Water heater located in the URRS outside bathroom has incorrect breaker size. Per manufacture it should be a 30 amp double poll. At present it is a 40 amp. double poll.	Breaker is the incorrect size.	URRS outside bathroom	Grounds	Davis, Bruce A
13514	Upgrade Wireless Clock System	Currently we have a Visiplex system that broadcasts a signal to keep all the clocks in the plant synchronized to the GPS time. This CCF will allow us to replace the existing Controller and GPS receiver with a current model.	The existing unit is obsolete and parts are unavailable.	Equipment room 1	Grounds	Page, Scott C

CCF Number	Title	Description	Justification	Location	ISA ID	Engineer
13515	New CHAMPS Weight Station in Shipping Dock #3	<p>A new CHAMPS weight station will be located in Shipping Dock #3 for weighing import Special Nuclear Material (SNM).</p> <p>This will require:</p> <ul style="list-style-type: none"> - CHAMPS system tie-in. - New computer cable for CHAMPS interface. - Computer (PC) - Table for scale and computer (PC) - Mettler Toledo weight scale - Standard weights for scale calibration - 120 VAC power outlets 	This will ease and expedite processing and receipt of import SNM.	Shipping Dock #3	ISA-04 Safe Geometry Dissolver	McInnis, Steve H
13516	Relocate CHAMPS Station at URRS Sifter Hood (RH-1070)	<p>The existing CHAMPS station (scale QC# 20057 & computer), at the URRS Sifter Hood (RH-1070), will need to move west 56-58 inches.</p> <p>During this relocation, scrap the existing computer stand and replace with a pole. Also, trim 7" off the legs of the table for the scale, to better match the Sifter Hood working deck (approx. 32"). Finally, relocate (or provide) 120VAC receptacles at the new location.</p> <p>Impacts:</p> <ul style="list-style-type: none"> - Arrangement drawing - Add 120VAC receptacles - Existing CHAMPS fiber optic cable has sufficient length (per Larry Bielobockie). No change required. - New computer stand will be required. (Existing computer stand will be scrapped.) 	This relocation is required to accommodate the new equipment for import SNM (CCF-13512), and the relocation of the Sifter Hood (CCF-13517).	URRS Area, west of Sifter Hood RH-1070	ISA-19 Hoods and Containment	McInnis, Steve H

CCF Number	Title	Description	Justification	Location	ISA ID	Engineer
13517	Relocate Sifter Hood RH-1070	<p>URRS Sifter Hood RH-1070 will be relocated approx. 4.7 feet west, of its current location.</p> <p>Impacts will be:</p> <ul style="list-style-type: none"> - 120VAC junction box supplies hood lights, Beeper Box and hood outlets. - 480VAC power for Cornil in Sifter Hood. - Air Sample #54 will be relocated - 8" vent duct re-route <p>Note: A 8" Y-fitting will be installed in the ductwork to facilitate the next phase of this project, which is CCF-13512.</p> <p>Note: This Y-fitting is vertical and oriented downwards. The vacant branch (on the Y-fitting)will be covered with stainless steel.</p> <p>Prerequisite:</p> <p>The CHAMPS weight station was relocated by CCF-13516.</p> <p>This CCF-13516 created space for this Hood relocation.</p>	This relocation will create space for installation of the new material handling equipment for import SNM (which is CCF-13512).	URRS Sifter Hood RH-1070	ISA-19 Hoods and Containment	McInnis, Steve H
13518	Workrest Blade Spacer Substitute	Replace the 7/32" shim and spacer block with a combined design used on lines 1 - 5.	Part standardization.	Pellet Line 6 Grinder	ISA-08 Pelleting	Edwards, Logan W
13520	Install Pass-Thru Door between Dock #3 and URRS	<p>Cut a 24" square hole (approx.) through the southwall of Dock #3, per the arrangement drawing 500F03AR03. Hole threshold shall be 26.5" above the floor. Then, install Pass-Thru Escutcheon Door in the hole (drawing 301F06EQ07). The Dock #3 side doorway will be mounted per the attached sketch 500F03AR03-13520 Elev. Sketch.</p> <p>The door will slide vertically and will be made of plexiglass, which the Operators can see through. The door will weight 4.2 pounds. The framing (on Dock #3 side) will have a counter balance to hold the door open.</p> <p>Actuation of the door will be from the Dock #3 side. However, it will be possible for a URRS operator to reach in & pull the door closed (down).</p> <p>URRS Operators, Area Engineer and HP have reviewed this door design.</p>	<p>The Pass-Thru Escutcheon Door will be utilized in a future material handling system for import Special Nuclear Material, which will be installed under CCF-13512 (later).</p> <p>No utilities are impacted. However, a wall-mounted telephone will be relocated 1 foot west.</p> <p>NF-9.5-13-099 was completed on Sept. 6, 2013.</p> <p>CSE-4-F, "Powder Shipment Processing," was signed off on Sept. 6, 2013.</p>	Dock #3 (South Wall)	ISA-04 Safe Geometry Dissolver	McInnis, Steve H

CCF Number	Title	Description	Justification	Location	ISA ID	Engineer
13522	Replacement of pH probe on WaterGlass 1190 Scrubber	Temporarily replace 1190 scrubber pH probe and ball valve with different model probe and adaptive piping	No more probes of the proper type are available. This is a temporary modification	Outside URRS - WaterGlass Scrubber (On Roof)	ISA-01 Plant Ventilation System	Barber, Kevin E
13523	Relocate GFCI in Receptical Panel	Relocate Breaker 13 in RP-RF to Location 17	The breaker is a Ground Fault Circuit Interrupter and in its current location the door latch can activate the "test trip" button when closed. This CCF will allow us to move the GFCI away from the latch.	Shipping container refurbishment building	Grounds	Page, Scott C
13525	Warm Caustic E-Stop	Add a third estop for quick access by the west Waterglass building mandoor.	In an emergency that required stopping the warm caustic process, operations could shut the process down without entering the building.	Waterglass	ISA-15 URRS Wastewater Treatment System	Lowe, Vernon E
13530	Lower cathode 2 in Coater 5	Coater 5, cathode 2 (ref 802F13EQ11 sh17, sh7 & sh 02, these drawings are for Coater 8. Coater 5 does not have Lower Jigging drawings at this time) Remove items 12, 23, 24 & 25 and replace with a 3/8" bolt to hold V-groove bearing in place. OR If Loctite (item 13) seal on item 12 cannot be easily broken - cut item 12 (3/8" stud) to ~1/4" longer than the V-groove bearing and insert item 25 (cotter pin).	Reduce electrical arcs on cathode 2 Cathode 2 is closer to the drum than cathodes 1 & 3. This causes more arcs on cathode 2. Cathodes 1 & 3 were lowered by removing several of the shems that had cathodes 1 & 3 closer to the drum. After lowering cathodes 1 & 3, electrical arcs were greatly reduced. The interference caused by the V-groove bearing stud does not allow lowering of cathode 2.	IFBA/FA1	ISA-14 IFBA Processing	Young, Roy D
13533	Relocate Tank Farm I/O from TDC Box 29	Points are being relocated to Experion Misc C200 located in the Still Control Room (Note: Field I/O will connect Sill Controls Misc C200 via (remote) rail I/O.	TDC Box 29 is obsolete and associated points are being relocated.	Outside URRS- Tank Farm	ISA-06 Chemicals Receipt, Handling and Storage	Barber, Kevin E
13537	Replace ASCO valve on Zirc Knockout tank	ASCO valve #8263G19 no longer exists. ASCO recommended replacement #8263H206. See cut sheet attached.	Replacement of obsolete valve	Zirc Knockout Tank in ADU Rod Repair Area	ISA-10 ADU Rods	Davis, Alicia D
13540	Warning Light and Alarm For Core Component Fixture	Install a light and audible alarm that will warn operators that the fixtures are being raised or lowered.	Prevent persons from coming near the fixtures are they are moving.	Core Component Area	ISA-17 Final Assembly	Lincoln, Randal K

CCF Number	Title	Description	Justification	Location	ISA ID	Engineer
13541	Cord Reel Substitution in Bulk Container Storage on Pellet Lines 1-5 and ERBIA	With this CCF, we will replace a cord reel that provides electrical svc to the crane/hoist in the bulk container storage on pellet lines 1-5 and ERBIA. These locations are commonly referred to as "Deer Stands". This CCF will allow us to substitute a Hubbel (cat#HBL501042W) in the place of Appleton (p/n:RL104J-124-25). No dwgs or SSC's are affected. See attached spec. sheets.	Per the Mfg, the Appleton RL104J is a discontinued item.	Pellet Lines 1-5 and ERBIA Bulk Container Storage crane/hoist	ISA-08 Pelleting	Parker, James A
13547	Tray Stacker Torque Limiter Change	Change spec's for 361F08EQ21, Item 33 Torque Limiter from 12 in-lbs to 18 in-lbs.	Provide additional torque capability while still protecting the drive.	ADU Pelleting \ Tray Stacker	ISA-08 Pelleting	Vining, George E Jr
13548	Criticality Monitoring System Upgrade	This is an upgrade to replace the current LabView PC based Criticality Monitoring System CMS with a new Allen Bradley PLC/HMI based monitoring system. The new system will also have a remote HMI at the guard station at Gate #1.	This is an approved capital project (AR EF1251401) to replace the current Criticality Monitoring System. Intermittent problems with the main guard station computer/monitor have been experienced. The controls for the monitoring (PC based)system will be replaced with a new plant standard Allen Bradley PLC/HMI based control system providing more robust industrial controls and reliability. The project also provides redundant monitoring at Gate 1.	main Guard Desk in Main Lobby and Gate 1	Grounds	Stefan, Nick
13553	UF6 Bay Calibration Puck for RI-S-1160A1,A2 &A3	Create a calibration puck for the UF6 Bay gamma monitors RI-S-1160A1,RI-S-1160A2 & RI-S-1160A3.	The current method involves creating and handling uranyl nitrate solutions. This method is cumbersome, time consuming, and has safety concerns when handling solutions.	UF6 Bay	ISA-15 URRS Wastewater Treatment System	Lowe, Vernon E
13557	Replacement of Remote Utilities GE Rack	Replace remote utilities GE Versamax Rack with GE 90/30 Rack and Analog Input	Elimination of Local Rack in Stills Control Room for Utilities required the replacement of a remote rack near the Grid Laser 5 with a local PLC Rack in order to continue to trend the utility information for air compressors.	Mechanical Area - Back Wall Near Grid Laser #5	Grounds	Barber, Kevin E
13558	Replacement of Valve Trim in FCV1190D Nitric Acid Valve	Replace existing trim in FCV-1190D valve with "C Equal Percentage" to reduce flow thru Valve	Flow is excessive with current trim and needs to be reduced in order to better control the pH of the 1190 scrubber	Outside URRS - WaterGlass Scrubber (On Roof)	ISA-01 Plant Ventilation System	Barber, Kevin E

CCF Number	Title	Description	Justification	Location	ISA ID	Engineer
13560	Function Improvements New Pelleting Oxidation Ovens Line 3	A current sensing relay will be installed on Pelleting Line 3 Oxidation Oven on the door winch motor to prevent a fault condition from occurring. The new relay will be mounted in the electrical panel and will only affect internal control wiring on the door lift motor circuit. CB4 which feeds the drive for the vibrator motor will also be changed from 2A to 4A since it has been inadvertently tripping.	The current sensing relay will prevent overloading the cable and pulley system on the door lifting mechanism and make the system operate more reliably and safer.	Right Side of Aisleway between pelleting and Conversion	ISA-08 Pelleting	Harpster, Leon J
13562	Temporary installation of plastic sheeting on ADU rod lines	After all rods have been removed from the lines. Install fire retardant plastic sheeting over ADU rod lines 1-4, or any subset thereof, to complete work overhead. Plastic will be removed once all overhead work is complete.	Required by CSE-99-G	ADU Rod Area	ISA-10 ADU Rods	Davis, Alicia D
13563	Swap of Flammable Liquid Cabinet	Swap the current flammable liquid cabinet found in the chemical area tool crib with an updated version of the same model. Data sheet of new cabinet is attached. No drawings necessary to change for swap of cabinet.	The doors of the current cabinet were hard to use and possibly not providing adequate fire safety protection. The new cabinet is fundamentally the same, except for the actuation of the door.	Pellet Area Tool Crib	Grounds	Amormino, Sean T
13564	Remove fire alarm speakers from Trailers	Remove the fire alarm speakers from Modular Offices 1,2 and 3	The modular offices 1, 2 and 3 lease is being terminated. The offices will be returned to the owner. We will be removing the Simplex Fire Alarm speakers and wiring to them. The remaining modular offices will still retain the speakers.	Modular Offices	Grounds	Gantt, Stephen G
13565	Hardened Steel Parts on Polycord Conveyer	Replace the standard track on an available grinder polycord conveyer with nitrocarburized parts onto an available polycord conveyer. Neither the design of the parts nor the material used are changing, therefore no drawing updates are included with this CCF.	The current stainless steel parts used on the polycord conveyer are imparting drag on the polycord itself, affecting operation and quality. Nitrocarburization is a process that does not change the material (nor does it coat it in any way). It does, however, improve scuffing resistance and fatigue properties.	Pellet Area Grinder Lines	ISA-08 Pelleting	Amormino, Sean T
13567	Power for Pump Rebuild Area Crane	Install conduit and wiring for the Pump Rebuild shop Coffing crane.	New crane was installed in the Pump rebuild area.	Pump Rebuild area on Chemical side	Grounds	Page, Scott C

CCF Number	Title	Description	Justification	Location	ISA ID	Engineer
13570	PLN3 & 4 Blue M Oven Retrofits	TPS is building a full set of pulleys, mounts, and cable shields for both ovens to bring with them for a warranty service call. The pulleys will be a reduced friction, roller bearing type instead of the current pulleys with bronze bushings. The following work will also be completed at this time: 1. PLN3 lift table needs to be lowered from 1-1/2" to 1" (similar to PLN4) to allow the oven door more room to fully close with clearance to the table top. 2. Address PLN3 door side-to-side wobble by bringing door guides closer together. This will likely require removal of each door guide and machining the mounting slots longer so the guides can be placed closer to the sides of the door. 3. Attach lift table top covers to table tops to overcome warped covers.	This retrofit will help eliminate causes of oven door lift cables going slack, which creates issues with cables not spooling properly on door lift hoists.	PLN3 & 4 Oxidation (Blue M) Ovens	ISA-19 Hoods and Containment	Walker, Barney W
13571	Hand Safety Banner in IFBA	Hang the safety banner for IFBA between the control cabinets of coater 1 and coater 5. The banner will be suspended by the top corners (the bottom corners will hang loose to avoid SNM or moderator accumulation). Reference drawing 500F08AR03 sheet 2 for information, but the banner will not be displayed on the drawing.	Banner was earned by the IFBA operations and needs to be displayed.	Between coater 1 and coater 5 control cabinet.	ISA-14 IFBA Processing	Craig, Brian M
13576	Addition of strainers to incinerator flows	There are 6 spray nozzles that can get plugged by small materials in the water stream for the quench column and scrubber column of the incinerator. The incinerator then has to be shut down in order to unplug these spray nozzles.	By adding strainers to the line, it will allow the debris to be caught before reaching the spray nozzles allowing the incinerator to stay online.	Incinerator	ISA-13 Low Level Radioactive Waste Processing	Davis, Bruce A
13578	Fabricate Pigtaills For C-301A During Interim Phase Of Seismic Project	The elbow adapter and -10 valve will be installed during the upcoming seismic outage for CL3, however, the new lid will not be installed C-301A at that time. This requires that a different pigtail will need to be fabricated to be able to process UF6.	Different pigtaills needed to process UF6.	UF6 Bay	ISA-03 ADU Conversion	Hudson, Christopher W
13579	Relocate MP21A	With this CCF, we will relocate Manual Pull Station 21A to the opposite side of the hall from where it's currently mounted.	Since the installation of fire doors behind the kitchen that are held open automatically, pull station MP21A is being blocked full time by the door.	Manual pullstation located in the hallway behind the kitchen.	Grounds	Gantt, Stephen G
13587	Valve Substitution	The steam blowdown valve on the vaporizers are 1/2" 150# Worcester Fail Open valves. This CCF would allow these valves to be replaced with a 1/2" 150# Jamesbury Fail Open Valve.	As the Worcester valves fail across Conversion we are standardizing on Xomox and Jamesbury valves.	Vaporizers	ISA-03 ADU Conversion	Hudson, Christopher W
13592	Remove LECO HD/HC-18	Remove existing LECO RH-404 hydrogen analyzer, HD/HC-18, and new LECO RHEN-602 will be placed in its spot.	Remove old obsolete LECO and replace it with a new one.	Chemical Lab LECO Room	ISA-18 Laboratories	Krissinger, Mark

CCF Number	Title	Description	Justification	Location	ISA ID	Engineer
13594	Remove fire alarm speaker from trailer 4	Remove the fire alarm speaker from Modular Office #4	Modular office #4 lease is being terminated and is being returned to the owner. We will remove the Simplex fire alarm speaker and wiring to it. Modular offices 5-8 will retain their speakers. Modular offices 1-3 speakers are being removed for the same reason under CCF 13564.	Modular Office 4	Grounds	Gantt, Stephen G
13598	Temporary Relocation of Box 29 Miscellaneous Points to Still 1	Temporarily relocate CMA_29, LSHH_51, FSL_1124R, PHIC_1115, PHI_1116, CLI_1116, FI_1116, and LI_14 to Still 1 C200.	These are the last points on TDC Box 29 and will allow elimination and removal of Box 29. Once removed this space in the old TDC cabinet will be re-used for the final location of the Miscellaneous C200 control panel.	Outside URRS - Waste Processing	Grounds	Barber, Kevin E
13599	Pellet Line 2 Vacuum BoatLoader Main Panel Torit Switch Relocation	The scope of this project is to relocate the Torit horn alarm, reset and indicator alarm lights from the BoatLoader 2 main door panel to a self contained 4 hole control box that is by itself and independent of other control panels.	AR#EF13515 is for the PLC upgrade on BoatLoader 2 and the current Torit alarm indicators are installed on the BoatLoader main electrical panel door. This cabinet is being replaced with an under 50 volts cabinet. The Torit alarm circuit is 120VAC and need to be relocated in a separate box so this does not happen again.	Pellet Line 2 Vacuum Boat Loader	ISA-08 Pelleting	Stefan, Nick
13601	Computer Room Simplex (Fire Alarm) Speaker Modification	With this CCF, we will replace the current style simplex speaker S249 with a simplex horn and adjust the volume to suite the area. Initially we will tap the speaker to .94w and evaluate the volume during check out. We will finalize the tap setting on the dwg when the installation is tested and complete.	Occupants in the area cannot hear the speaker announcements in the entire area. Equipment has been added to the area making the current speaker not suitable for the location.	Computer Room	Grounds	Gantt, Stephen G
13605	Remove Underground Feed Into North Lagoon	Blank off the west lagoon underground feed to the north lagoon. Repair liner where feed entered lagoon.	Feed line has been eliminated. Flow rate was greatly reduced and line is suspected to be leaking.	URRS - Outside - North Lagoon	Grounds	Trayers, Michael E
13606	CL1 Calciner Off-Gas Vent Line Hatch Substitution	This CCF will allow a substitution for the current hatches on the CL1 calciner off-gas vent line. The substitution option will be a hatch that is secured with a clamp instead of with a wing nut. All other featuers of the hatch will be the same (6", 316 SS, EPDM gasket, 3.0 psig maximum working pressure). The manufacturer's information is attached.	The wing nuts on the current hatches often accumulate fluoride buildup resulting in the hatches becoming difficult to secure. This substitution will allow evaluation of hatches with a clamp instead of a wing nut as a potentially better option.	CL1 Calciner Off-Gas Vent Line	ISA-03 ADU Conversion	Weathers, Stephen H

CCF Number	Title	Description	Justification	Location	ISA ID	Engineer
13607	Remove Underground Feed Into South Lagoon	Blank off the west lagoon underground feed to the south lagoon. Repair liner where feed entered lagoon.	Feed line has been eliminated. Flow rate was greatly reduced and line is suspected to be leaking.	URRS - Outside - South Lagoon	Grounds	Trayers, Michael E
13608	Addition of Incinerator Terminal Strip.	Create access points for electrical connections to facilitate performance of SSC checks.	Currently the annual PM for the incinerator gas valves requires a jumper to be placed around a relay contact. This relay and terminal are difficult to access. This CCF will allow us to parallel the wires on the relay contact to dedicated terminal strip to be used specifically for the Annual PM SSC testing.	Back of the Incinerator control panel	ISA-13 Low Level Radioactive Waste Processing	Page, Scott C
13612	Function Improvement New Pelleting Oxidation Oven Line 4	A new pushbutton station is proposed to be installed on the Lline 4 oxidation oven for control of the door and the lift table which is more accessible for the operators. This PB station will be mounted on one of the 4 Torit vertical support posts. In addition a current sensing relay will be installed on the door winch motor to prevent a fault condition from occurring. The new relay will be mounted in the electrical panel and will only affect internal control wiring on the door lift motor circuit. CB4 which feeds the drive for the vibrator motor will also be changed from 2A to 4A since it has been inadvertently tripping.	The new pushbutton station is required to allow the operators to have better access to equipment when operating. The current sensing relay will prevent overloading the cable and pulley system on the door lifting mechanism and make the system operate more reliably and safer.	Inside Chemical Area at Main Ailse between Pelleting and Conversion	ISA-08 Pelleting	Harpster, Leon J
13613	Bulger Carriage #1 Alignment Pin Improvement	Improve the rear alignment pin assembly and add visual cues (pointers) to improve the ability of the operator to align the carriage to the strong back without physical intervention.	The current bulger carriages do not always align themselves from front to back. Once the front alignment pin is actuated and engaged, the operators often have to nudge the rear of the carriage into place in order to get the rear pin to seat. Depending on the degree of misalignment, this could take quite a bit of force which could put the operator at risk for a stress/strain injury.	CFFF, Skeleton Assembly, Bulger Carriage	ISA-17 Final Assembly	Strimple, David C
13614	Relocation of Still UPS Power Circuits	Relocate UPS power feeds for Still Control room for use with Stills C200 and Stills Control Room Computers/Network switch	This will allow 1 UPS circuit and 1 Non-UPS circuit for use by the computers and for the Honeywell C200 controllers.	Outside URRS - Stills Control Rom	ISA-06 Chemicals Receipt, Handling and Storage	Barber, Kevin E
13615	Replace Conv. Line 3 Calciner OT Controller	This CCF will allow us to substitute the newer model Honeywell UDC overtemp controller (DC2500-EE-200-...)for loop TIS-309GG. The existing model (DC3005-0-0...)is obsolete	The current Over Temp. controller for Line 3 Calciner has failed and is obsolete.	Conversion line3 Calciner	ISA-03 ADU Conversion	Page, Scott C

CCF Number	Title	Description	Justification	Location	ISA ID	Engineer
13618	Replace Dialatrol Controller with Experion	Migrate existing Dialatrol temperature control from field single loop controller to Experion.	Dialatrols is obsolete and is not functioning properly.	DI water tank by Line 2	ISA-03 ADU Conversion	Underwood, Donald E
13619	Change material for plugger cover guard	Currently the top of the plugger guard on the line 5 plugger is constructed out of stainless steel. This makes it very difficult for operators to determine if there is sometime within the clamp that could potentially damage fuel rods. Change this material of construction from stainless steel to lexan.	Rods were scratched due to a plenum spring being in the clamp.	Line 5 rework plugger clamp	ISA-14 IFBA Processing	Craig, Brian M
13624	Install Ultrasonic Level Transmitter in Process Sump	Replace the existing Drexelbrook Level Probe in Waste Treatment Process Sump with a Rosemount 3101 Untrasonic level transmitter.	Currently the Drexelbrook probe is obsolete and problematic. The replacement tansmitter will be a non-contact device and should eliminate some of the measurement issues we currently have; due to sludge build up.	Process Sump in Waste Treatment	ISA-15 URRS Wastewater Treatment System	Page, Scott C