



Westinghouse Electric Company LLC  
Columbia Fuel Site  
5801 Bluff Road  
Hopkins, South Carolina 29061-9121  
USA

Director, Office of Nuclear Material Safety and  
Safeguards  
U. S. Nuclear Regulatory Commission  
Washington, DC 20555-0001  
ATTN: Document Control Desk

Direct tel: 803-647-2045  
Direct fax: 803-695-3964  
e-mail: [couturgf@westinghouse.com](mailto:couturgf@westinghouse.com)  
Your ref:  
Our ref: LTR-RAC-12-3  
January 11, 2012

SUBJECT: WESTINGHOUSE 10 CFR 70.72 FACILITY CHANGE REPORT

Westinghouse Electric Company LLC (Westinghouse) hereby submits the report of Columbia Fuel Fabrication Facility (CFFF) changes that did not require NRC pre-approval in accordance with 10 CFR 70.72. This report addresses those changes completed within calendar year 2011. Westinghouse had no facility process changes that required Nuclear Regulatory Commission (NRC) pre-approval during calendar year 2011.

Westinghouse uses an integrated safety review approach for all modifications of, or additions to, existing structures, systems and components at the Columbia Fuel Fabrication Facility (CFFF). This process is described in, and conducted in accordance with the requirements of CFFF Regulatory Procedure RA-104, "*Regulatory Review of Configuration Change Authorizations*." This integrated review is conducted by the various regulatory disciplines, to include Radiation Safety, Environmental Protection, Nuclear Criticality Safety, Safeguards, Fire Safety, Chemical/Industrial Safety and other applicable Health and Safety experts when necessary. The Manager of the Environmental Health & Safety (EH&S) Department further assures regulatory requirements are satisfied and provides final EH&S approval of the Configuration Change. A key aspect of this review is a determination if the change is not prohibited by: 10 CFR 70, a SNM-1107 license condition, or a governing order. The reviewers decide whether NRC pre-approval and SNM-1107 license amendment changes are required prior to implementation.

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

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

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

If you have any questions, please contact me at (803) 647-2045.

Sincerely,



Gerard F. Couture, Manager  
Licensing and Regulatory Programs  
Westinghouse Columbia Fuel Fabrication Facility

Docket 70-1151 License SNM-1107

Attachment: Facility Change Report 188 pages.

cc: U. S. Nuclear Regulatory Commission, Region II  
Attn: Ms. Mary Thomas  
245 Peachtree Center Avenue NE, Suite 1200  
Atlanta, GA 30303-1257

U. S. Nuclear Regulatory Commission  
One White Flint North  
11555 Rockville Pike  
Rockville, Maryland 20852-2738  
Mail Stop: EBB 2C40M  
Attn: Christopher Ryder, Project Manager

CCF-Number	Justification	Title	Description	Location	ISA ID
07540	The by-pass increases the potential for leaks due to the increased number of valves/flanges.	S-1008 Nitric Acid By-pass Removal	The Nitric acid line to S-1008 has a by-pass present that is no longer used. The instrument that was located between the by-pass has been removed and the port capped off. The by-pass will be removed.	S-1008 Nitric acid header	ISA-01 Plant Ventilation System
08640	This watchdog timer is not required by plant standards and it has no benefits in this application. It has been the cause of several nuisance trips of the Thermal Stability Furnaces.	Remove watchdog timer - Thermal Stability Furnace	Remove the watchdog timer from the control of Thermal Stability Furnaces 4, 5 & 6.	Mezzanine	ISA-08 Pelleting
09076	Currently installed pump and DC drive have exceeded its useful life	Replace V-1081 pulser pump	Replace V-1081 pulser pump with modern vintage, smaller pump: Milton Roy model MBH641-8G PB CC M1 S1 ST 11 NN XX. Replace DC drive/motor with modern vintage AC drive/motor	V-1081	ISA-07 Solvent Extraction
09077	Currently installed pump and DC drive have exceeded its useful life. Additionally, this will standardize on one model pump instead of two.	Replace V-1082 pulser pump	Replace V-1082 pulser pump with modern vintage, smaller pump: Milton Roy model MBH641-8G PB CC M1 S1 ST 11 NN XX. Replace DC drive/motor with modern vintage AC drive/motor	V-1082	ISA-07 Solvent Extraction
09079	Currently installed pump and DC drive have exceeded its useful life. Additionally, this will standardize on one model pump instead of two.	Replace P-1482 pulser pump	Replace V-1482 pulser pump with modern vintage, smaller pump: Milton Roy model MBH641-8G PB CC M1 S1 ST 11 NN XX. Replace DC drive/motor with modern vintage AC drive/motor	V-1482	ISA-07 Solvent Extraction

CCF-Number	Justification	Title	Description	Location	ISA ID
09084	1. Removes obsolete and undesirable three piece ball valves 2. Improve metering accuracy - poor accuracy has led to operational problems several times in the past 3. Improve control with soft seated control valve with tight shutoff (much less likely to leak through)	Upgrade ball valves, flowmeter, and control valves on CCC-730	Replace differential pressure flow meter with coriolis flow meter, and replace existing control valves with Class VI shutoff Fisher control valve. Replace on water and acid flows to CCC-730	Clean dissolvers	ISA-04 Safe Geometry Dissolver
09085	1. Removes obsolete and undesirable three piece ball valves 2. Improve metering accuracy - poor accuracy has led to operational problems several times in the past 3. Improve control with soft seated control valve with tight shutoff (much less likely to leak through)	Upgrade ball valves, flowmeter, and control valves on CCC-740	Replace differential pressure flow meter with coriolis flow meter, and replace existing control valves with Class VI shutoff Fisher control valve. Replace on water and acid flows to CCC-740	Clean dissolvers	ISA-04 Safe Geometry Dissolver
09296	One of the pneumatic cylinders had difficulty completely piercing the rupture disc on one of the UN bulk storage tanks during the biennial functional test.	Increase force of T-1039 rupture disc actuator	Replace 1.5" bore pneumatic cylinder with 2.5" bore pneumatic cylinder to increase force of rupture disc actuator. This will increase the rupturing force by three times.  Replace Bimba model SR-173-D with Bimba model SR-503-D	UN Bulk Storage area	ISA-02 Uranyl Nitrite Bulk Storage Tanks

CCF-Number	Justification	Title	Description	Location	ISA ID
09297	One of the pneumatic cylinders had difficulty completely piercing the rupture disc on one of the UN bulk storage tanks during the biennial functional test.	Increase force of T-1040 rupture disc actuator	Replace 1.5" bore pneumatic cylinder with 2.5" bore pneumatic cylinder to increase force of rupture disc actuator. This will increase the rupturing force by three times.  Replace Bimba model SR-173-D with Bimba model SR-503-D	UN Bulk Storage area	ISA-02 Uranyl Nitrite Bulk Storage Tanks
09298	One of the pneumatic cylinders had difficulty completely piercing the rupture disc on one of the UN bulk storage tanks during the biennial functional test.	Increase force of T-1041 rupture disc actuator	Replace 1.5" bore pneumatic cylinder with 2.5" bore pneumatic cylinder to increase force of rupture disc actuator. This will increase the rupturing force by three times.  Replace Bimba model SR-173-D with Bimba model SR-503-D	UN Bulk Storage area	ISA-02 Uranyl Nitrite Bulk Storage Tanks
09299	One of the pneumatic cylinders had difficulty completely piercing the rupture disc on one of the UN bulk storage tanks during the biennial functional test.	Increase force of T-1042 rupture disc actuator	Replace 1.5" bore pneumatic cylinder with 2.5" bore pneumatic cylinder to increase force of rupture disc actuator. This will increase the rupturing force by three times.  Replace Bimba model SR-173-D with Bimba model SR-503-D	UN Bulk Storage area	ISA-02 Uranyl Nitrite Bulk Storage Tanks
09300	One of the pneumatic cylinders had difficulty completely piercing the rupture disc on one of the UN bulk storage tanks during the biennial functional test.	Increase force of T-1043 rupture disc actuator	Replace 1.5" bore pneumatic cylinder with 2.5" bore pneumatic cylinder to increase force of rupture disc actuator. This will increase the rupturing force by three times.  Replace Bimba model SR-173-D with Bimba model SR-503-D	UN Bulk Storage area	ISA-02 Uranyl Nitrite Bulk Storage Tanks

CCF-Number	Justification	Title	Description	Location	ISA ID
09301	One of the pneumatic cylinders had difficulty completely piercing the rupture disc on one of the UN bulk storage tanks during the biennial functional test.	Increase force of T-1045 rupture disc actuator	Replace 1.5" bore pneumatic cylinder with 2.5" bore pneumatic cylinder to increase force of rupture disc actuator. This will increase the rupturing force by three times.  Replace Bimba model SR-173-D with Bimba model SR-503-D	UN Bulk Storage area	ISA-02 Uranyl Nitrite Bulk Storage Tanks
09412	It is imperative that the APVIS system be completed in a timely manner.	APVIS Pellet Flow Development	In order to expedite the development and testing of the APVIS System, this CCF requests the blanket allowance to be able to make minor changes to the equipment to improve pellet flow without making a C1, C2, C3, etc. revision for each minor change. The final changes will be documented at the end of the development effort.  The development changes planned will not change the location, form, or amount of SNM in the equipment.  See attached letter for additional background.	IFBA Fabrication Area	ISA-14 IFBA Processing
09547	The dumping stations are manual which puts a strain on inspection personnel. They are to be replaced at a later date when the design of the new devices are completed. The existing dumping stations (3) are to be removed.	Removal of Rod Dumping Stations	This CCF is to remove the Rod Dumping stations on 2 surface tables (3 units).  Drawing Number 438F09EQ01, C1	Rod inspection D&V	ISA-10 ADU Rods

CCF-Number	Justification	Title	Description	Location	ISA ID
09596	There are several argon lines that are no longer in use at each ADU rod line. There are also no isolation valves from the main header to each of the rod lines.	Argon Header for ADU rod lines	Remove all out of service/unused argon connections for each rod line.	Argon header for rod lines	ISA-10 ADU Rods
09806	The Acrison feeder has become obsolete.	Remove CLN3 Acrison feeder	Remove the Acrison feeder and associated components from Conversion line 3.	Conversion line 3	ISA-03 ADU Conversion
09833	Approved capital project	WABA 1 and 5 Table Replacement	Replace the WABA #1 and #5 weld table with a similar table that has sufficieint length to accomdate AP1000® D453WABA rods.	CFFF, Non-Fuel Rods, WABA	Components
09861	Removing the wall and door will provide more open space for cardio equipment to be operated safely and for members to walk between machines safely. Renovating the area will increase morale and members.	Fitness Center Renovation	Renovate Fitness Center to include: -Demo wall that separates the cardio area from the aerobics room -remove door from cardio area and replace with wall -upgrade carpet, repair walls & ceilings etc.	Fitness Center	Grounds

CCF-Number	Justification	Title	Description	Location	ISA ID
10005	<p>This is the next step to make the Safety System active for ADU Conversion Line 1.</p> <p>The design of these interlocks are based on the same design as the Line 5 Front End.</p> <p>Line 5 CCF 05-420 and CCF 07-535 were previously approved.</p>	Install Air and Wiring to New SIS Valves and transmitters for ADU Line 1	<p>Connect wiring and supply air to new SIS valves installed on ADU Line 1. The valves are at the precipitator, V102, and V106. The valves will be connected electrically to the ADU Line 1 SIS, which is not currently active.</p> <p>Transmitters installed in the DI water line, recirculation line for V-102 and level transmitters on V105A&amp;B will be connected to the SIS.</p> <p>The valves and transmitters will be made active under a separate CCF for the SIS programming.</p> <p>None of these valves and transmitters are currently being used in any SSC's and no Safety Significant Controls are Affected.</p>	Valves and transmitters are located on V102 and V105	ISA-03 ADU Conversion



CCF-Number	Justification	Title	Description	Location	ISA ID
10038	An emergency spare is required for all dryers. The dryer insert assembly is not readily available from the vendor. The assembly will be re-engineered to a like-kind configuration, but having features to improve component strength.	ADU Inlet Nozzle Insert Assembly	Provide construction details for fabrication of an ADU Inlet Nozzle Insert Assembly of a like-kind configuration to that of the existing dryer component. This assembly is to be used as a spare part for all ADU dryers. Exceptions to the design include the omission of the unused (capped)1/2" nozzle tap, the specifying of a one-piece 6" mounting flange instead of a two-piece flange, and having a nozzle for accepting the feed tube assembly that is of 1-1/2" Sch 40 pipe construction and having gussets for support.	ADU Conversion Slurry Dryer	ISA-03 ADU Conversion
10078	Required by the new laser welder filtration systems.	Deionized Water Header For Laser Wet Filtration System	The new laser welder filtration systems will require deionized water supply. This CCF includes the installation of the supply header in the grid welding area.	Grid Laser Welding Area	Components

CCF-Number	Justification	Title	Description	Location	ISA ID
10175	The X-Ray Machine in QC Rod is lined internally with lead to prevent X-Rays from escaping the enclosure during operation. The door used to access the equipment during maintenance activities is lined with lead as well and is extremely heavy. Currently, the door is hinged at the top and opens up and at an angle above the equipment. The door has "props" which are required when open that consist of a piece of angle iron and bolts. If this door were to fall during maintenance activities, it would severely injure anyone in its path during the fall. Additionally, it sometimes necessary to operate the equipment during check out and problem solving, and the operator's panel is located on the door that is propped in the air, causing an unsafe and awkward situation.	Reconfigure X-Ray Machine Doors	Reconfigure the X-Ray Machine Access Door to side hinges, rather than top hinges, in order to provide a safer maintenance working condition.	QC Rod Inspection - X-Ray Machine	ISA-10 ADU Rods
10241	Currently you cannot reset a watchdog trip on the Coater without removing power to all of the safety relay. This is due to the logic in the Safety relay which is looking for the loss of parallel inputs.	Modify Estop Safety Relay Wiring	Change the Estop Safety relay wiring to include a second contact off of the PLC watchdog timer into the Safety Relay.	Oxide Coater II Controls	Clean Side Rod Area
10249	The new mass spectrometer will add needed capacity to analyze materials used in the plant; nuclear and non-nuclear.	IsotopX Mass Spectrometer Installation	Install newly purchased mass spectrometer in the chemical laboratory.	CFFF, Chem Lab, Mass Spec Room	ISA-18 Laboratories

CCF-Number	Justification	Title	Description	Location	ISA ID
10254	Current duct heaters are obsolete. Plus, electronic controlled heaters are more maintenance-friendly than air controlled.	Main Office Duct Heater Upgrade	Upgrade Bryant air controlled(thermostat) duct heaters to Warren Technology electronic controlled duct heaters.	Main Office Area	Grounds
10271	Currently dashpot tubes are fabricated on the thimble fabrication line. As the production load increases there will no longer be sufficient capacity on the existing line for both thimble tubes and dashpot tubes. Additional dedicated equipment is needed	Auto Dashpot Fabrication Cell	<p>Re-Issue of CCF: This CCF is being reissued because the P&amp;ID was revised to show changes in the plugger pressure regulators. A sheet was also added to show the explosion proof vacuum for chip collection.</p> <p>Install a robot work cell to automate the fabrication of the dashpot tube assemblies. The cell will consist of an input station, a plugging station, a welding station, a chamfer station, an inspection station, and an output station. This is shown in the attached plan view of the work cell.</p> <p>This cell is to be installed in the mechanical area along column line C between 11 &amp; 12, between the tool room and the skeleton area, next to the thimble line.</p>	Between the tool room and the skeleton area next to the thimble line	Clean Side Rod Area
10281	Eliminate operators exposure to ammonia while performing annual overflow inspections (OM85102).	T-20 Overflow Line Modifications	Install a hose connection on T-20 overflow line, and replace the blind flange on top of T-41 with a sight glass.	URRS, Tank Farm, T-20	ISA-06 Chemicals Receipt, Handling and Storage

CCF-Number	Justification	Title	Description	Location	ISA ID
10290	The SU3 Grid Sleeve Welder is currently located in the Non-fuel Area, but belongs to the Grid Area. The area manager has requested that the equipment be moved.	Relocate SU3 Grid Sleeve Welder	This CCF covers the relocation effort of the SU3 Grid Sleeve Welder. Its current location resides to the West of the WABA room across the aisle near column 13C. The new location will be on the North wall of the Grid Area.	column 13C	Components
10317	Provide access for yearly steam trap PM. Currently it is in a location that is very difficult to get to. Move from between C101A and C101B to opposite side of C101B.	Relocate steam trap in UF6 bay trench for V-101A	Move steam trap and associated valves for steam chest C101A in UF6 bay trench. See attached pictures and P&ID	UF6 bay Trench by C101A	ISA-03 ADU Conversion
10324	Current location makes it extremely difficult to get to the trap to perform the 6 month PM. See attached pictures and PI&D of the trap.	C201C steam trap relocation	Relocate C201C steam trap from area in UF6 bay trench between C201B and C201C to open area on the other side of C201B.	UF6 bay trench	ISA-03 ADU Conversion
10325	Prevent mechanic from getting steam burns when working on the steam trap.	Relocate C301B steam trap	Relocate the steam trap for C301B away from the steam line that goes to the sump in the UF6 bay trench over about 3 feet to the east. See attachments	UF6 bay trench by C301B	ISA-03 ADU Conversion
10365	This modification will eliminate a recurring airborne concern.	Ribbon Blender Hood on Pellet Line 5 Pellet	Modify the exhaust ventilation "stub end" on the ribbon blender hood on Pellet Line #5. Currently this "stub end" is designed using a quick-fit snap type clamp. This style clamp is not robust and upon failure presents an airborne issue.  This modification will include mounting a van stone flange on the exhaust "stub end" of the hood and also installing a van stone flange on the spool piece of the exhaust duct on the ventilation branch.	Chemical Area, Pellet Line 5, Ribbon Blender Hood	ISA-08 Pelleting

CCF-Number	Justification	Title	Description	Location	ISA ID
10367	To increase accessibility to the dust collector.	Pilot Line Centrifuge Drying Oven and ductwork relocation.	The Pilot line centrifuge drying oven is located next to the pellet line #1 dust collector. Its location interferes with changing the filters and performing maintenance on the dust collector. This ccf will relocate the centrifuge drying oven and assoc	PELLET LINE 1 NEAR PILOT LINE	ISA-08 Pelleting
10384	To prevent damage to shaft and screw. A torque limiter limits the excessive torque by slipping action.	Torque limiter installation on line 1 second discharge screw	To install a torque limiter in line 1 second discharge screw. This is an UNIT TT70 torque limiter from MARTIN sprocket & gear, INC. Torque limiter bore is 1.50" with a 3/8" X 3/16" keyway. It will be mounted on the driven sprocket side of the screw mechanism.	Second discharge screw	ISA-03 ADU Conversion
10386	Reduce leaks - quick connects are difficult to keep from leaking.	Replace flexhose with three way valve	Replace flexhose with three way valve to select either liquid scrap or UN bulk storage feed to SOLX.	UF6 bay	ISA-07 Solvent Extraction
10388	Customer seen the mechanical lever jam. If the unit was out of cleaner rope, it would've never sent a "Rope Reel Empty" signal to the PLC. The new photo eye will give better indication of when the rope reel is empty. This is in response to CAPs 06-129-C001.08.  No SSC's...  Exactly like CCF 09706	ADU Rod Line 3 Rope Cleaner Photoeye	We will be replacing on ADU Rod Line 3, the mechanical limit switch that detects cleaner rope for tube ends with a fiber optic photoeye.	ADU Rod Line 3 Tube End Cleaner	ISA-10 ADU Rods

CCF-Number	Justification	Title	Description	Location	ISA ID
10389	Customer seen the mechanical lever jam. If the unit was out of cleaner rope, it would've never sent a "Rope Reel Empty" signal to the PLC. The new photo eye will give better indication of when the rope reel is empty. This is in response to CAPs 06-129-C001.08.  No SSC's...  Exactly like CCF 09706	ADU Rod Line 4 Rope Cleaner Photoeye	We will be replacing on ADU Rod Line 4, the mechanical limit switch that detects cleaner rope for tube ends with a fiber optic photoeye.	ADU Rod Line 4 Tube End Cleaner	ISA-10 ADU Rods
10405	Cast iron check valve that are set-up in the storeroom are obsolete.	Replacement of Cast Iron Check Valve	Replace cast malleable iron check valve with forged steel check valve.	West Lagoons	Grounds
10410	Equipment has been removed in field and wires were abandon in place until a full line verification of interlocks was planned.	Determ and Remove wires from Line 4 Numalogic Panel	Determinate and remove wires which used to go to hardware removed during Precipitator Tank Demolition. These wires are currently landed on the PLC terminal strip.  The removal of these wires will require an ITR. Yes was checked on "Safety Significant Controls Affected" because the PLC has SSC contained with in it.	ADU Conversion Line 4 PLC Cabinet	ISA-03 ADU Conversion

CCF-Number	Justification	Title	Description	Location	ISA ID
10413	<p>Operations and Maint has a weekly OM (om71001) and a quarterly PM (pm71087) that needs the vacuum pump locked out. The only way to do this is to shut the whole system down. Each time the system is shutdown, the vision system computer has to be restarted and the job data reloaded. All GEfanuc axis has to be re-homed. The moisture meter and O2 meters has to be restarted and the power loss fault errors cleared. This is an error likely situation.</p> <p>No SSC's...</p>	Laser Welder #3 Vacuum Pump 70E Quick Connect	We will be installing pad lockable 70E rated quick connects to provide a local means of locking out the vacuum pump.	Laser Welder #3	Components
10414	<p>Operations and Maint has a weekly OM (om71001) and a quarterly PM (pm71087) that needs the vacuum pump locked out. The only way to do this is to shut the whole system down. Each time the system is shutdown, the vision system computer has to be restarted and the job data reloaded. All GEfanuc axis has to be re-homed. The moisture meter and O2 meters has to be restarted and the power loss fault errors cleared. This is an error likely situation.</p> <p>No SSC's...</p>	Laser Welder #4 Vacuum Pump 70E Quick Connect	We will be installing pad lockable 70E rated quick connects to provide a local means of locking out the vacuum pump.	Laser Welder #4	Components

CCF-Number	Justification	Title	Description	Location	ISA ID
10415	<p>Operations and Maint has a weekly OM (om71001) and a quarterly PM (pm71087) that needs the vacuum pump locked out. The only way to do this is to shut the whole system down. Each time the system is shutdown, the vision system computer has to be restarted and the job data reloaded. All GEfanuc axis has to be re-homed. The moisture meter and O2 meters has to be restarted and the power loss fault errors cleared. This is an error likely situation.</p> <p>No SSC's...</p>	Laser Welder #5 Vacuum Pump 70E Quick Connect	We will be installing pad lockable 70E rated quick connects to provide a local means of locking out the vacuum pump.	Laser Welder #5	Components
10416	<p>Operations and Maint has a weekly OM (om71001) and a quarterly PM (pm71087) that needs the vacuum pump locked out. The only way to do this is to shut the whole system down. Each time the system is shutdown, the vision system computer has to be restarted and the job data reloaded. All GEfanuc axis has to be re-homed. The moisture meter and O2 meters has to be restarted and the power loss fault errors cleared. This is an error likely situation.</p> <p>No SSC's...</p>	Laser Welder #6 Vacuum Pump 70E Quick Connect	We will be installing pad lockable 70E rated quick connects to provide a local means of locking out the vacuum pump.	Laser Welder #6	Components



CCF-Number	Justification	Title	Description	Location	ISA ID
10420	<p>The 150 HP motor on FN-1030A suffers from bearing failure. Fan FN-1030A, the primary fan for Scrubber S-1030, is equipped with a frequency drive which is apparently the cause of the bearing failure.</p> <p>Installing this motor equipped with insulated sleeves on each bearing and a grounding ring on one end of the shaft will improve reliability by eliminating the electrical fluting.</p>	Fan motor FN-1030A equipped with insulated bearings and a grounding ring	Install a 150 HP motor equipped with insulated sleeves on both bearings and a grounding ring on the opposite drive end on Fan FN-1030A. This grounding ring and these insulated sleeves will prevent electrical fluting caused by the induced electrical vol	Plant Roof / Chemical Area	ISA-01 Plant Ventilation System
10422	The office receives comfort air from the main air handler unit that provides comfort air to the general maintenance area and product storeroom. When the unit operates at high cooling capacity to cool other areas, the maintenance manager's office become	Maintenance Manager Office Heater	Install a 4KW, 480V recess mounted ceiling heater	Maintenance Manager's Office	Miscellaneous
10431	Provide standard tool for Maintenance to easily remove dies.	R53 Press Die Removal Tool	Design tool for removing dies on the R53 Presses.	ADU/Erbia Pelleting \ R53 Presses	ISA-08 Pelleting
10434	Facilitate operations and consistency with other cranes in the area which all use remote controls	Crane G4 - Conversion to Remote Control	<p>Crane G4 that services the core component area, BWR assembly area and packing area, currently uses a hard wired pendant.</p> <p>The change is to convert to a remote type pendant</p>	Core Component and Packing Area	ISA-17 Final Assembly

CCF-Number	Justification	Title	Description	Location	ISA ID
10443	Currently, lab cubicals are being electrically supplied 2 circuits. Multiple extension cords are strung out across the floor to supply areas where elect. svc. is needed. This installation will eliminate/reduce the use of extension cords and reduce the	PE Development Lab Cubical Receptacles	We will be adding 4 circuits to cover the PE Development Lab cubicles. Convenience receptacles will be located to eliminate/reduce use of extension cords.	PE Development Lab Cubicals	ISA-18 Laboratories
10448	Existing panelmate is obsolete and the recorder is expensive and not needed with the WonderWare. Upgrading to the WonderWare station will allow us to collect the data digitally. The existing control scheme is also "maxed out" and new sequences need to be added.	VFS Furnace #2 Controls Upgrade	Replace the existing recorder, and panelmate with a WonderWare Station. This will require removing the recorder and Panelmate and adding a power supply and ethernet switch.	Mechanical side, grid area, VFS furnace #2	Components
10449	To meet the future shipping requirements of China first core deliveries in Traveller shipping containers and other planned Renaissance load growth.  Reduce/ minimize traffic congestion in the current shipping corridor	CAA Expansion Project	Install new roadways, fence line, parking & staging areas and buildings associated with the CAA expansion design package.	Area north of current CAA location zones 21 and 22	Grounds
10452	Per Project Plan description and SNM-1107 License Amendment 7 requirements.	CAA Expansion S	CCF to address expansion project attributes related to physical protection.	Zone 21 and 22 physical security changes.	Grounds

CCF-Number	Justification	Title	Description	Location	ISA ID
10484	downtime reduction	Line 1 Moisture Sampler Verification Mode	The moisture sampler functionality includes a mode that will allow the manipulation of the sampler for the purpose of testing. This mode is called Verification Mode. Presently, this mode can be exited in a way that will cause the sampler to indicate t	Moisture sampler	ISA-03 ADU Conversion
10485	downtime reduction	Line 2 Moisture Sampler Verification Mode	The moisture sampler functionality includes a mode that will allow the manipulation of the sampler for the purpose of testing. This mode is called Verification Mode. Presently, this mode can be exited in a way that will cause the sampler to indicate t	Moisture sampler	ISA-03 ADU Conversion
10486	downtime reduction	Line 3 Moisture Sampler Verification Mode	The moisture sampler functionality includes a mode that will allow the manipulation of the sampler for the purpose of testing. This mode is called Verification Mode. Presently, this mode can be exited in a way that will cause the sampler to indicate t	moisture sampler	ISA-03 ADU Conversion
10487	downtime reduction	Line 4 Moisture Sampler Verification Mode	The moisture sampler functionality includes a mode that will allow the manipulation of the sampler for the purpose of testing. This mode is called Verification Mode. Presently, this mode can be exited in a way that will cause the sampler to indicate t	moisture sampler	ISA-03 ADU Conversion

CCF-Number	Justification	Title	Description	Location	ISA ID
10488	downtime reduction	Line 5 Moisture Sampler Verification Mode	The moisture sampler functionality includes a mode that will allow the manipulation of the sampler for the purpose of testing. This mode is called Verification Mode. Presently, this mode can be exited in a way that will cause the sampler to indicate t	moisture sampler	ISA-03 ADU Conversion
10491	The system was a pilot unit, and it's no longer in use. CSE-15-B must be revised in order to put it back in service.	Isolation of Ion Exchange Pilot	This CCF will isolate the Ion Exchange Pilot from the other processes.	URRS Outside Waterglass	ISA-15 URRS Wastewater Treatment System
10498	Calciner seals need to be installed and removed with the hoist but the air and gas lines block the trolley from getting the hoist over the seal section on the discharge end.	Line 2 Calciner piping	Reroute the air and gas lines to the calciner burners out of the way of the trolley	discharge end on platform	ISA-03 ADU Conversion
10502	<p>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.</p> <p>The new components function identically to the existing and no operator or UT technician tasks will change.</p>	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 KDJ1	CFFF, Mechanical Area, Rod Top End Inspection Line 1	Components

CCF-Number	Justification	Title	Description	Location	ISA ID
10503	<p>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.</p> <p>The new components function identically to the existing and no operator or UT technician tasks will change.</p>	Replacement of UT Inspection DEC Hard Drives on UT Line 2	This project will replace the old and obsolete DEC PDP 11 Computer hard drive on the UT inspection system on Rod Top End Inspection Line 2. The current SCSI disk controller and MFM type hard drive will be replaced with a modern, industry standard KDJ11	CFFF, Mechanical Area, Rod Top End Inspection Line 2	ISA-10 ADU Rods
10506	The Pavilion (Bush's Barn) is being renovated to provide year around accesability. It will be used as confrence room space, meaing it will be occupied more often.	Pavilion Fire Alarm Installation	We will install Fire Detection at the Pavilion (aka: Bushes Barn). The installation includes: *3 manual pull stations *2 speakers for anouncments *2 Heat Detectors.	Pavilion (aka Bush's Barn)	Miscellaneous
10510	Replace old non-functional B&S surface grinder	Installation of Manual Parker Grinder #2	<p>This CCF is to cover the installation of manual Parker surface grinder #2 in the Mechanical Area Tool Room. This is a manually operated grinder that will be installed in place of one of the old Brown &amp; Sharp surface grinders in the main tool room. This grinder will not use coolant but will be connected to the existing ventilation.</p> <p>PRF-1000381 has been issued for PSE support for this project.</p> <p>Reference CCF-10077 for similar installation.</p>	Tool Room grinder area	Miscellaneous

CCF-Number	Justification	Title	Description	Location	ISA ID
10516	As part of the overall improvement plan for the site, Bush's Barn will become more of a year around meeting/training venue. This is part of the efforts to reduce offsite training costs.	Pavilion (Bush's Barn) Renovation	We will be remodeling the Pavilion commonly known as Bush's Barn. Bush's Barn will become more of a year around meeting/training place. We will be installing: additional outlets, comfort air, data (ethernet/wireless connections), and audio visual components (projector, projector screen, speaker system) .  Ref: CCF 10551 (Mechanical)	Pavilion	Grounds
10517	The middle conveyor section is being replaced to provide greater clearance for the sideloader forks.  The rail is being installed to prevent the area under the casket conveyor from being used as a passageway.	Dock 9 Casket Conveyor	Two modifications to the Dock 9 casket conveyor will be completed.  1 - Replace the middle section of the Dock 9 casket conveyor with a shorter section of conveyor. The new conveyor section will be approximately 2' 5" long.  2 - Install a rail along the side of the Dock 9 casket conveyor to prevent use as a passageway.	Dock 9 Casket Conveyor	ISA-10 ADU Rods

CCF-Number	Justification	Title	Description	Location	ISA ID
10518	These guards will protect employees from exposed rotating shafts.	Guards on Chemical Cooling Tower Pumps	Fabricate and install shaft guards on the hot and cold well vertical turbine pumps, which are located at the Chemical Cooling Tower basins. These guards will be constructed of stainless steel expanded metal and secured to the lower pump casing using hex head capscrews.  No "EQ" drawing will be needed for this simple fabrication.	Chemical Cooling Tower	Grounds
10519	These guards will protect employees from exposed rotating shafts.	Guards on Mechanical Cooling Tower Pumps	Fabricate and install shaft guards on the hot and cold well vertical turbine pumps, which are located at the Mechanical Cooling Tower basins. These guards will be constructed of stainless steel expanded metal and secured to the lower pump casing using hex head capscrews.  No "EQ" drawing will be needed for this simple fabrication.	Mechanical Cooling Tower	Grounds
10529	Security personel need access to specific software on their PC's during power outage.	Emergency Power Install in Security Office	We will be installing emergency power in the security office. This elect. svc. will be for computers. Lights are currently on emergency power.	Security Office	Miscellaneous

CCF-Number	Justification	Title	Description	Location	ISA ID
10539	NODE 6 IS NOT USING THE SAME TECHNOLOGY FOR THE PA PORTION AS ARE ALL OF THE OTHER FIRE ALARM NODES. THIS OLDER TECHNOLOGY CAUSES DELAYS IN MAKING ANNOUNCEMENTS BECAUSE IT TAKES LONGER TO TURN ON THE SPEAKER CIRCUITS ASSOCIATED WITH THIS NODE. THIS UPG	UPGRADE FIRE ALARM NODE 6	UPGRADE THE PA PORTION OF FIRE ALARM PANEL NODE 6 TO CURRENT STANDARDS (2nd review, I forgot some drawings on the first issue)	SUB 6 BUILDING	Miscellaneous
10542	The current gearbox and slip-clutch are not reliable and not robust for the application in which they are used.  The spring-loaded clicker mechanism breaks down with extended use and presents a foreign material hazard to the inspection fixture and pellets (metal shavings).	D&V Pellet Inspection Modification (Line 5)	Install a more robust gearbox and slip-clutch for the pellet inspection fixture. The same components are already installed on line 4.  Remove the clicker and associated components from the handwheel and base.	Line 5 D&V Inspection	ISA-08 Pelleting
10547	Currently when performing maintenance, Electricians have to lay down on the floor to do what needs to be done.  All field wiring will remain the same (fed from and device I/O)	Grinder Line 1 ATAC Controller Relocation	We will be relocating the vibratory bowl feeder vibrator controller boards from off the floor up to a location better suited for trouble shooting.	ADU Grinder Line 1	ISA-08 Pelleting
10549	Currently when performing maintenance, Electricians have to lay down on the floor to do what needs to be done.  All field wiring will remain the same (fed from and device I/O)	Grinder Line 3 ATAC Controller Relocation	We will be relocating the vibratory bowl feeder vibrator controller boards from off the floor up to a location better suited for trouble shooting.	ADU Grinder Line 3	ISA-08 Pelleting



CCF-Number	Justification	Title	Description	Location	ISA ID
10550	Currently when performing maintenance, Electricians have to lay down on the floor to do what needs to be done.  All field wiring will remain the same (fed from and device I/O)	Grinder Line 4 ATAC Controller Relocation	We will be relocating the vibratory bowl feeder vibrator controller boards from off the floor up to a location better suited for trouble shooting.	ADU Grinder Line 4	ISA-08 Pelletting
10558	Current water line is deteriorated and has had several leaks repaired this year. Relocating where the main water line feeds from, will eliminate at least a 100ft of piping as well as make the supply local to the area.	Relocation of HF Pad Safety Shower Main Water Line	Disconnect main water supply line from the UNH Storage Tank Pad safety shower main water supply line; relocate and tie-in main water supply line to existing city water line that branches off of main water line that feeds DI Water BLDG, Sulfuric Acid Pad	HF Pad	ISA-02 Uranyl Nitrite Bulk Storage Tanks
10559	Only floor storage and layout is impacted.	Rearrange Storage Racks in Grid Strap Market	Rearrange shelving and storage racks in area to facilitate best practices in material movement. Only position and number of storage racks is impacted.  The proposed drawing is attached.	Grid Strap Market	Components
10566	Current hoods are worn and are in need of refurbishment. These changes will help prevent airborne and help achieve ALARA goals.	Modification of Grinder Hood	Modify the hoods covering the pellet grinders to reduce gaps and possible exposure to airborne material.	Pellet Lines 1-5 Grinders	ISA-08 Pelletting

CCF-Number	Justification	Title	Description	Location	ISA ID
10572	Equipment has been removed in field and wires were abandon in place until a full line verification of interlocks was planned.	Determ and Remove wires from Line 3 GE PLC Panel	Determinate and remove wires which used to go to hardware removed during Precipitator Tank Demolition. These wires are currently landed on the PLC terminal strip.  The removal of these wires will require an ITR. Yes was checked on "Safety Significant Controls Affected" because the PLC has SSC contained with in it.  CCF 10-410 for Line 4 is similar.	ADU Conversion Line 3 PLC Cabinet	ISA-03 ADU Conversion
10574	Room gets too hot for equipment to operate when door is closed. Currently door must be opened to cool room which causesbuild-up of FM on equipment.	ECP Equipment Room	Install a 1-1/2 ton mini split ac unit in the ECP Equipment Room which contains camera equipment, servers, electrical panels, etc	ECP	Miscellaneous
10575	Due to the high noise levels in these areas, the operators cannot understand the announcements. This action will improve the safety of personnel in these areas	Fire Alarm speaker Plating Room	Install a fire alarm speaker in the Plating Room and in the Age Hardening Furnace Area. This project will not affect any SSC's. ITR has been completed and is attached.	Age Hardening area and Plating Room	Components
10578	To be used for regulatory qualification.	Install Gas Purification Equipment for STA in Erbia lab	Install 2 ambient temperature purifier cartridges in existing gas lines to STA in Erbia Lab. Install Centorr model 2A-100-SS gettering furnace and required piping in Erbia Lab.	In Erbia Lab	ISA-18 Laboratories

CCF-Number	Justification	Title	Description	Location	ISA ID
10585	<p>The current gearbox and slip-clutch are not reliable and not robust for the application in which they are used.</p> <p>The spring-loaded clicker mechanism breaks down with extended use and presents a foreign material hazard to the inspection fixture and pellets (metal shavings).</p>	D&V Pellet Inspection Modification (Line 1)	<p>Reference CCF 10542</p> <p>Install a more robust gearbox and slip-clutch for the pellet inspection fixture. The same components are already installed on line 4.</p> <p>Remove the clicker and associated components from the handwheel and base.</p>	Line 1 D&V Inspection	ISA-08 Pelleting
10586	<p>The current gearbox and slip-clutch are not reliable and not robust for the application in which they are used.</p> <p>The spring-loaded clicker mechanism breaks down with extended use and presents a foreign material hazard to the inspection fixture and pellets (metal shavings).</p>	D&V Pellet Inspection Modification (Line 2)	<p>Reference CCF 10542</p> <p>Install a more robust gearbox and slip-clutch for the pellet inspection fixture. The same components are already installed on line 4.</p> <p>Remove the clicker and associated components from the handwheel and base.</p>	Line 2 D&V Inspection	ISA-08 Pelleting
10588	<p>The current gearbox and slip-clutch are not reliable and not robust for the application in which they are used.</p> <p>The spring-loaded clicker mechanism breaks down with extended use and presents a foreign material hazard to the inspection fixture and pellets (metal shavings).</p>	D&V Pellet Inspection Modification (Line 6)	<p>Reference CCF 10542</p> <p>Install a more robust gearbox and slip-clutch for the pellet inspection fixture. The same components are already installed on line 4.</p> <p>Remove the clicker and associated components from the handwheel and base.</p>	Line 6 D&V Inspection	ISA-08 Pelleting

CCF-Number	Justification	Title	Description	Location	ISA ID
10589	The current gearbox and slip-clutch are not reliable and not robust for the application in which they are used.  The spring-loaded clicker mechanism breaks down with extended use and presents a foreign material hazard to the inspection fixture and pellets (metal shavings).	D&V Pellet Inspection Modification (Erbia)	Reference CCF 10542  Install a more robust gearbox and slip-clutch for the pellet inspection fixture. The same components are already installed on line 4.  Remove the clicker and associated components from the handwheel and base.	Erbia D&V Inspection	ISA-08 Pelleting
10593	Expanded metal guard is fraying in places therefore leaving the ends of the metal wire exposed where someone could get caught on it.	Lexan Safety Guards for ADU Rod line 2	Replace the existing expanded metal guards with Lexan guards on ADU rod line 2.	ADU Rods - Line 2	ISA-10 ADU Rods
10610	Current area is awkward to working in. This will improve flow and efficiency.	Chemical Side Maintenance welding area improvements	Rearrange welding area to improve efficiency. Add vises, new ventilation arms, racks for cables and torches, fence and curtains, reels for electrical cords and respirator tape. Reroute the HP Sampler station per HP instructions. Add electrical outlet an	Chemical side mechanics shop	Miscellaneous
10611	There is nothing to hold on to at the top of the current ladder making it hard to use.	Replace ladder at platform	Replace the ladder by the xray platform with a ladder that has hand rails.	column 9-E	Miscellaneous
10615	Ring is rusting and is directly adjacent to the stainless steel tanks.	Top support ring on V1006A and B tanks	Allow the top ring to be hot dipped galvanized steel instead of non treated steel	scrap cage	ISA-03 ADU Conversion
10616	This regulator controls the DI Water pressure for the anion regeneration sequence. The current regulator is carbon steel and has a leak that has corroded through the body.	Replace PCV-1362B DI Water Regulator with Stainless Steel Material Type	Replace PCV-1362B DI Water Regulator with Stainless Steel Material Type. This material type complies with FSS-003-40, Piping Specifications.	DI Water Building	Miscellaneous

CCF-Number	Justification	Title	Description	Location	ISA ID
10622	Mechanics need a lifting device to remove baffles safely.	Glass Column Lift Beam	Install a 6"X2-1/2"X3/8" X 6'-4" long 304 SS channel placed web side down between beam top flange and roof deck. Supported by 2"X2"X1/4" 304 SS Diagonal Angle each side of beam web per certified drawing (lifting capacity of 500lbs).	SOLX	ISA-07 Solvent Extraction
10623	<p>1. Improve welding compatibility and minimize differing expansion rate issues related to using HRS and 330 Alloy. Using metals with similar physical properties should reduce the propensity to crack at the weld joint.</p> <p>2. Flange and chamber will be made from the same material. Therefore, welding compatibility and differing expansion rate issues related to HRS and 304 SSTL will be resolved. Using the same materials should reduce the propensity to crack at the weld joint.</p> <p>Note: These changes apply to future purchases only. There are no plans to retrofit 304 SSTL flanges on existing equipment.</p>	ADU Sintering Furnace Entrance Muffle/Cooling Chamber Flange Material Change	<p>1. Change the material specifications for the entrance muffle flange(Ref. attached Lindberg Dwg 7277-3706, Item 1)nearest the hot zone from hot rolled steel(HRS) to 304 Stainless Steel(SSTL). The 304 SSTL flange will then be welded to the 330 Alloy muffle.</p> <p>2. Change the material specifications for the cooling chamber flange(Ref. attached Lindberg Dwg 7277-4990, Item 1)nearest the hot zone from HRS to 304 SSTL - reference attached Dwg 7277-4490, Group 00B, Item 12. The 304 SSTL flange will then be welded to the 304 SSTL chamber.</p>	ADU Pelleting \ Line 1 - 5 Sintering Furnaces	ISA-08 Pelleting

CCF-Number	Justification	Title	Description	Location	ISA ID
10624	We have many brands of switches in the plant which have been provided by the original equipment provider, or installed on different projects. Some manufacturers are out of business or the original switch may be obsolete or unavailable to us in a timely manner. Electrical switches are essentially interchangeable if they are "rated" the same. It is not practical to order a specific switch when we have a suitable replacement on hand or readily available locally.	Disconnect Switch Replacement and Substitution Criteria	<p>Replace the broken switch on Skeleton Fixture #2. The Switch on #2 fixture is broken, the original switch is not available. This CCF will allow us to replace the existing switch with one that will meet the same specifications as defined by the substitution criteria (see attached) for replacing Disconnect Switches on NON Safety Significant devices.</p> <p>This CCF will allow us to add disconnect switches to the Electrical and Instrument Substitution Procedure MCP-202174. See attached .pdf for proposed addition to procedure.</p>	Skeleton Fixture #2	Components
10625	Recently we found that the existing level probe would not detect a loss of connection of the lead wire between the probe and transmitter. This could potentially lead to an undetected failure of the switch. The problem is that in our application the pr	Erbia Grinder Bowl Feeder PolyPac Level Switch Probe modification	<p>Modify the Drexelbrook Erbia Grinder Bowl Feeder PolyPac Level Switch Probe to increase its capacitance. This will involve adding a clamp-on fixture to increase the surface area of the sensing probe.</p> <p>This is safety significant: BAEGRIND-103</p>	Erbia Grinder PolyPac Level Switch	ISA-20 ERBIA

CCF-Number	Justification	Title	Description	Location	ISA ID
10628	This change will increase reliability of the existing safety interlocks and allow separation of the BPCS and Safety System.	Install New Valves and Transmitters at Line 5 Calciner	<p>Install a new blocking valve to be used in SSC's instead of the BPCS flow control Valve FCV-509A.</p> <p>Install a new blocking valve to be used in SSC's instead of the BPCS flow control Valve FCV-509B.</p> <p>Install a new safety pressure transmitter to be used in SSC's instead of the BPCS pressure transmitter PT-S-509D.</p> <p>Install a new safety flow element and transmitter to be used in SSC's instead of the BPCS flow element and transmitter FT-509B.</p> <p>This CCF is for installation of the above components. Activation will be performed by a future CCF.</p>	Line 5 Calciner	ISA-03 ADU Conversion
10629	There have been comments that when the door is closed in the conference room, the occupants cannot hear the announcements. Increase Safety.	Modular Office 3 speaker	Add a Fire Alarm speaker in the conference room of Modular Office #3. This will not affect any SSC;s. ITR attached.	Modular Office #3 Conference Room	Miscellaneous
10630	The existing carbon steel header is badly corroded and has been repaired several times. As this line supplies backup emergency cooling water for both ADU Conversion and ADU Pelleting it is a critical service header for both areas. If this line has to	Install New Process Water Header in ADU Conversion Area	The process water header that supplies process water to all of the ADU Conversion Lines is a carbon steel line that is badly corroded and needs to be replaced. This line supplies process water to each conversion line that is used as emergency backup co	ADU Conversion Area	Miscellaneous

CCF-Number	Justification	Title	Description	Location	ISA ID
10635	We are changing the remote type on this mill to match the bulk #1 remote type. The UHF remote has a broader range and allows operator to not have to have a direct line of site to the the base of the crane sensor. This also allows for safer operation o	Change UF6 Remote from IR to UHF	We are changing the remote from IR to UHF to increase the range on the bulk mill #2 chain hoist.	Bulk Blending Room	ISA-05 ADU Bulk Powder Blending
10636	In the event of a criticality anywhere on site it is required that all personnel hear the alarm. Interconnecting all horn loops to sound at once will make all personnel on site aware of the call for evacuation.	Criticality Horn Interconnections Main Building.	Install conduit, wiring, and controls to interconnect main building horns with outdoor stations 14, 15, 16 and 17. All horns inside the CAA will sound simultaneously when any one station goes into alarm state. Install a status and system malfunction al	Main Guard Desk and stations 14,15,16 and 17	Miscellaneous
10637	In the event of a criticality anywhere on site it is required that all personnel hear the alarm. Interconnecting all horn loops to sound at once will make all personnel on site aware of the call for evacuation.	Criticality Horn Interconnection Station 14	Install conduit and wiring to interconnect Station 14 horns to main building horns. Station 14 horns will activate all horns inside the CAA.	Pump House 1 Criticality Alarm Panel 14	Miscellaneous
10638	In the event of a criticality anywhere on site it is required that all personnel hear the alarm. Interconnecting all horn loops to sound at once will make all personnel on site aware of the call for evacuation	Criticality Horn Interconnection Station 15	Install conduit and wiring to interconnect Station 15 horns to main building horns. Station 15 horns will activate all horns inside the CAA.	Sub 6 Building	Miscellaneous



CCF-Number	Justification	Title	Description	Location	ISA ID
10660	A differential pressure transmitter will give a more reliable reading of the pressure drop around the online filter. The existing pressure gauges are not reliable. This will also provide an alarm for the operator that will alert them to when it is time	Install Differential Pressure Transmitter Around Filters FL-512A&B	Install differential pressure transmitter around bag filters FL-512A and FL-512B. This CCF is for the mechanical installation only.	ADU Conversion Line #5	ISA-03 ADU Conversion
10664	The shelf will be utilized every year for inventory. The panels are currently being stored in the MAP area. The MAP area is being cleared of excess materials.	Inventory Shelf and Inventory Fence Storage	Make the inventory storage shelf from CCF 10-199 permanent. Allow the storage of the inventory fence in the unblended area. The panels shall be stored behind the carriers next to the inventory storage shelf. Hooks shall be installed on the wall to hold	Unblended area	Miscellaneous
10669	accommodate mechanical installation	LASER Scrubber Power Panel	Electrical installation of the welder #6 scrubber and the power distribution panel for this and future scrubbers for the other welders in the grid area.	Grid Area	Components
10672	The spring-loaded clicker mechanism breaks down with extended use and presents a foreign material hazard to the inspection fixture and pellets (metal shavings).	D&V Pellet Inspection: Clicker Removal (line 4)	Remove the "clicker" mechanism and associated components from line 4's inspection fixture.  Ref CCF 10542	Line 4 D&V Inspection	ISA-10 ADU Rods
10673	To give options for girth weld operation.	Braid SS lines	On Rodline 3 weld chuck at Girth Welder uses Instrument air to open and close. Drawing reflect 3/8 hose(two lines)to chuck for this operation. Change drawing to reflect 1/4" tygon tubing or 1/4" SS braid lines to open and close chuck. Change the lines to reflect the new drawing.	ADU rod line #3	ISA-10 ADU Rods

CCF-Number	Justification	Title	Description	Location	ISA ID
10642	<p>*The current common pressure switch does not allow testing of PELSINT-903 without tripping all 18 pellet sintering furnaces. This is a major inconvenience that results in production downtime and maintenance costs that will be avoided as the furnaces are transferred to individual pressure switches. This CCF simplifies PELSINT-903 and makes it more reliable by eliminating an interposing relay which has a dangerous failure mode.</p> <p>* Replace obsolete equipment and improve accuracy and stability of temperature measurements. Also separate process control temperature measurements from SSC's. This is identical to the controls upgrade that was recently completed on 1C furnace.</p> <p>*Solenoid valves are a poor choice for final elements in interlocks. It is not possible to verify the state of the valve when performing interlock verifications and they are prone to leak-through. A recent saturator over-fill was caused by a leaking solenoid</p>	Furn 4A Rebuild / Controls Upgrade	<p>With this CCF, we will:</p> <p>*Install individual N2 pressure switch- This CCF is to transfer the low nitrogen pressure interlock wiring from the common switch to the new individual switch for individual furnaces. All sintering furnaces in ADU and Erbia have a low nitrogen pressure interlock (PELSINT-903) from a pressure switch on the main nitrogen header that is located on the thermal stability furnace mezzanine. A new header with 19 individual pressure switches has been installed under CCF 09630. This will enable each furnace to have its own pressure switch for this interlock. This change was implemented on several furnaces already.</p> <p>*Replace the following temp controls: SCR's for Pre-Heat zone, ammeters, and Honeywell 2500 Overtemp UDC's on 4A sintering furnace. The following SSC's will be impacted: PELSINT-903, PELSINT-904, PELSINT-905, PELSINT-907, PELSINT-908</p> <p>* Replace solenoid valves: SV1A9,</p>	Furnace 4A	ISA-08 Pelletting
10643	<p>During early AM hours, we had a near hit because it is extremely dark. Because a WEC employee could not see where he was going, he tripped over forklift forks.</p>	Tractor Shed Area Lighting	We will be installing area lighting to the Tractor Shed for the Tractor Shed and rear of Brigade Building.	Tractor Shed	Grounds

CCF-Number	Justification	Title	Description	Location	ISA ID
10644	In the past this vent line was connected to a filter house that pulled oil from the rough pump filters into the vent line. The oil accumulated in this line has started leaking into the IFBA production area. This overhead source of FME needs to be eliminated.	IFBA rough pump vent line, Coater 5	<p>Disconnect Coater 5 rough pumps from vent line. Install a new vent line from the rough pump filters to a 3 - 4 gal. container next to the pump filters.</p> <p>Install a blind flange in the exist vent line between the 3rd and 4th pipe sections to isolate Coater 5 from the other rough pumps connected to this vent line.</p> <p>Drain, clean/remove any oil accumulated in the vent line between the blind flange and the 3 - 4 gal. container.</p>	IFBA, FA1, Coater 5, rough pump ventilation	ISA-14 IFBA Processing
10647	Current gas tank is old and deteriorated inside causing vehicles to run poorly.	Replacement of Gas Tank	Replace current gas tank with a new epoxy lined 1,000gal flameshield double wall tank.	Tractor Shed	Grounds
10650	New requirements to prevent spills from vessels containing HF, NH <sub>4</sub> OH and Nitric Acid.	Install Valves and Level Transmitter on V-506	<p>Install new level transmitter and isolation valves for V-506.</p> <p>There are no SSC impacts for this CCF because the valves will only be physically installed in the open position with actuator couplings removed to prevent operation and the new level transmitter will only be physically installed but not made operational. Both the valves and level transmitter will be made operational by a future CCF.</p>	V-506	ISA-03 ADU Conversion

CCF-Number	Justification	Title	Description	Location	ISA ID
10656	A differential pressure transmitter will give a more reliable reading of the pressure drop around the online filter. The existing pressure gauges are not reliable. This will also provide an alarm for the operators that will alert them to when it is ti	Install Differential Pressure Transmitter Around Filters FL-112A&B	Install differential pressure transmitter around bag filters FL-112A and FL-112B. This CCF is for the mechanical installation only.	ADU Conversion Line #1	ISA-01 Plant Ventilation System
10657	A differential pressure transmitter will give a more reliable reading of the pressure drop around the online filter. The existing pressure gauges are not reliable. This will also provide an alarm for the operators that will alert them to when it is ti	Install Differential Pressure Transmitter Around Filters FL-212A&B	Install differential pressure transmitter around bag filters FL-212A and FL-212B. This CCF is for the mechanical installation only.	ADU Conversion Line #2	ISA-01 Plant Ventilation System
10658	A differential pressure transmitter will give a more reliable reading of the pressure drop around the online filter. The existing pressure gauges are not reliable. This will also provide an alarm for the operators that will alert them to when it is ti	Install Differential Pressure Transmitter Around Filters FL-312A&B	Install differential pressure transmitter around bag filters FL-312A and FL-312B. This CCF is for mechanical installation only.	ADU Conversion Line #3	ISA-03 ADU Conversion
10659	A differential pressure transmitter will give a more reliable reading of the pressure drop around the online filter. The existing pressure gauges are not reliable. This will also provide an alarm for the operator that will alert them to when it is tim	Install Differential Pressure Transmitter Around Filters FL-412A&B	Install differential pressure transmitter around bag filters FL-412A and FL-412B. This CCF is for the mechanical installation only.	ADU Conversion Line #4	ISA-03 ADU Conversion

CCF-Number	Justification	Title	Description	Location	ISA ID
10660	A differential pressure transmitter will give a more reliable reading of the pressure drop around the online filter. The existing pressure gauges are not reliable. This will also provide an alarm for the operator that will alert them to when it is time	Install Differential Pressure Transmitter Around Filters FL-512A&B	Install differential pressure transmitter around bag filters FL-512A and FL-512B. This CCF is for the mechanical installation only.	ADU Conversion Line #5	ISA-03 ADU Conversion
10664	The shelf will be utilized every year for inventory. The panels are currently being stored in the MAP area. The MAP area is being cleared of excess materials.	Inventory Shelf and Inventory Fence Storage	Make the inventory storage shelf from CCF 10-199 permanent. Allow the storage of the inventory fence in the unblended area. The panels shall be stored behind the carriers next to the inventory storage shelf. Hooks shall be installed on the wall to hold	Unblended area	Miscellaneous
10669	accommodate mechanical installation	LASER Scrubber Power Panel	Electrical installation of the welder #6 scrubber and the power distribution panel for this and future scrubbers for the other welders in the grid area.	Grid Area	Components
10672	The spring-loaded clicker mechanism breaks down with extended use and presents a foreign material hazard to the inspection fixture and pellets (metal shavings).	D&V Pellet Inspection: Clicker Removal (line 4)	Remove the "clicker" mechanism and associated components from line 4's inspection fixture.  Ref CCF 10542	Line 4 D&V Inspection	ISA-10 ADU Rods
10673	To give options for girth weld operation.	Braid SS lines	On Rodline 3 weld chuck at Girth Welder uses Instrument air to open and close. Drawing reflect 3/8 hose(two lines)to chuck for this operation. Change drawing to reflect 1/4" tygon tubing or 1/4" SS braid lines to open and close chuck. Change the lines to reflect the new drawing.	ADU rod line #3	ISA-10 ADU Rods

CCF-Number	Justification	Title	Description	Location	ISA ID
10674	To give option for girth weld operation.	Braid SS lines	On Rodline 4 weld chuck use instrument air to open and close chuck. Drawing reflect 3/8" hose( two lines)to chuck for operation. Change drawing to reflect 1/4" tygon tubing or 1/4" SS braid line to open and close chuck. Change lines to reflect new drawings.	ADU Rod line #4 Girth Welder	ISA-10 ADU Rods
10677	Turbo Pump System has just been replaced and piping is extended out into normal pedestrian area, therefore to protect assets, guard rail has been requested and will be placed directly in front of pumping system.	Provide guard rail for IFBA Oven #1 Turbo and Mechanical Pump	Provide guard rail to protect pumps and piping from pedestrian traffic moving around the area.	Oven #1 Pumping System	ISA-14 IFBA Processing
10679	Each manufacturer of fittings has cosmetic and nonfunctional differences due to manufacturing methods and aesthetics. Minor changes will be limited to those which meet the design intent and do not affect the process. All such parts are purchased throu	Piping/Tubing and fitting Maintenance Substitution Criteria	Allow for the substitution of fittings/piping/tubing or assemblages of fittings/piping/tubing in non safety significant applications. All will meet industry standards for such items and be purchased through approved sources. Changes to meet the curren	Plantwide	Miscellaneous
10680	Correcting damaged threads meets the design criteria. All such parts are purchased through authorized sources and meet industry standards and are limited to non-safety significant applications.	Nut/Bolt/Washer Maintenance Substitution Criteria	This CCF will allow for the substitution of various fastener hardware due to cosmetic and other non-functional differences in any non-safety significant applications. This CCF will also cover any corrective actions to deal with damaged or stripped thre	Plantwide	Miscellaneous

CCF-Number	Justification	Title	Description	Location	ISA ID
10681	Belt general cross section and overall length with not change other than minor cosmetic differences. All such parts are purchased through authorized sources and meet industry standards and are limited to non-safety significant applications.	V-Belt Substitution	This CCF will allow for the substitution of various branded V-belts due to cosmetic and other non-functional differences in any non-safety significant applications. Manufacturers such as Gates, Goodyear, and others which meet industry standards for V-b	plantwide	Miscellaneous
10682	These changes do not affect the original design intent. All such parts are purchased through authorized sources and meet industry standards and are limited to non-safety significant applications.	Sheave, Pulley, sprocket and gear Substitution	This CCF will allow for the substitution of various branded pulleys, sheaves, sprockets or gears due to cosmetic and other non-functional differences in any non-safety significant applications. Manufacturers such as Browning, Martin, Boston, and others	plantwide	Miscellaneous
10692	Operaotrs found the lower handle to be too low and the added handle will fall inside the width of the cart so that an operator should not pinch their finger moving the cart.	Modify Cookie Sheet Cart Handle	Add a 12" wide, 12.5" high handle extension made from stainless pipe that rises above the existing short handle.  NOTE: This CCF was approved once before but there was a change to one of the dimensions on the drawing.	ADU Rod Area	ISA-10 ADU Rods
10694	These changes do not affect the original design intent. The machining of a new keyway on a shaft is standard industry practice for damaged keyways. This is limited to non-safety significant applications	Key and Keyway modification and substitution	This CCF will allow for the substitution of slightly larger keys due to wear or damage to keyways in any non-safety significant applications. Manufacturers vary for these simple parts and dimensions are standardized. This substitution will be added	plantwide	Miscellaneous

CCF-Number	Justification	Title	Description	Location	ISA ID
10695	These couplings are essentially interchangeable and all meet the design intent. All such parts are purchased through authorized sources and meet industry standards and are limited to non-safety significant applications.	Flexible Jaw Coupling and Spider Substitution	This CCF will allow for the substitution of various branded flexible jaw coupling due to cosmetic and other non-functional differences in any non-safety significant applications. Manufacturers such as Browning, Lovejoy, Magnaloy, Martin, and others whi	plantwide	Miscellaneous
10696	These changes do not affect the original design intent. All such parts are purchased through authorized sources and meet industry standards and are limited to non-safety significant applications.	Compression Fitting Substitution	This CCF will allow for the substitution of various branded Compression fittings due to cosmetic and other non-functional differences in any non-safety significant applications. Manufacturers such as Swagelok, Parker, Tylok and others which meet indust	plantwide	Miscellaneous
10697	These changes do not affect the original design intent. All such parts are purchased through authorized sources and meet industry standards and are limited to non-safety significant applications.	Mechanical Chain Substitution	This CCF will allow for the substitution of various branded chains due to cosmetic and other non-functional differences in any non-safety significant applications. Manufacturers such as Browning, Martin, Boston, and others which meet industry standards	plantwide	Miscellaneous
10698	These changes do not affect the original design intent. FSS-016: Piping Supports is an approved procedure, follows applicable industry standards for the proper support of piping and are limited to non-safety significant applications.	Piping Support Substitution/Modification	This CCF will allow for the addition, subtraction or modification of piping supports and/or hangers in the field. There have been significant changes to the building codes since construction of this facility in 1969. As improvements are made to the p	plantwide	Miscellaneous



CCF-Number	Justification	Title	Description	Location	ISA ID
10699	These changes do not affect the original design intent. All such parts are purchased through authorized sources and meet industry standards and are limited to non-safety significant applications.	O-Ring/Oil Seal Substitution	This CCF will allow for the substitution of various branded o-rings or oil seals due to cosmetic and other non-functional differences in any non-safety significant applications. Manufacturers such as Parker, Clipper, SKF, and others which meet industry	plantwide	Miscellaneous
10700	These valves are already in an approved procedure and are acceptable for usage. A drawing check is required to ensure a specific valve is not identified in a drawing and must approve the substitution. This is limited to non-safety significant applications.	Piping Specification Valve Substitution	This CCF will allow for the substitution of valves within the individual piping specification of the process. These valves are listed within the FSS-003 piping specifications and are already approved for these applications. This substitution will be	plantwide	Miscellaneous
10701	MCP-108211 identifies all requirements for welding in the facility. This is limited to non-safety significant applications.	Welding Repair Modifications	This CCF will allow for weld repairs to be made to piping or other non-structural elements, such as brackets, hangers, tabs, etc. All welds must meet the requirements of MCP-108211, Westinghouse (CFFF) Maintenance Welding Standards. This modification	plantwide	Miscellaneous
10702	Operations approves all use of insulation. This is limited to non-safety significant applications.	Insulation Repair and Modification	This CCF will allow for the installation, modification, or removal of various forms of piping insulation or blanketing. This modification/repair will be added to MCP-108139: Maintenance Mechanical Equipment Substitution, Section 15.0. See attached	plantwide	Miscellaneous

CCF-Number	Justification	Title	Description	Location	ISA ID
10707	The current WS-203 welders (rod and tube welders) have components that are or will becoming obsolete in the near future. These upgrade will insure maintainability of the Welders.	Upgrade of WS-203 Welders (Chemical Side)	<p>Upgrade the current WS-203 welders to the WS-210 standard. The WS-210 welder has the following upgrades:</p> <p>New PCs  New National Instrument data acquisition board  New Master interface board  New Miller welder power supply.</p> <p>This CCF will allow us to use the WS-203 or the new WS-210 interchangeably. Upgraded WS-203 welders will be relabeled as WS-210 welders; this tagging is included in the upgrade kit in the Westinghouse storeroom.</p>	Chemical Side Instrument Shop	Miscellaneous
10711	The new photo eye will give better indication of when the rope spool is out. This is in response to CAPs 06-129-C001.08.	Install new rope cleaner bracket on rod line 1	Tooling has modified a rope cleaner support 366F06EQ01) to fit a new photo eye sensor. This CCF is to install that bracket on Rod line 1 for use with a new photoeye sensor at a future date. The drawing referenced above has already been modified. Similar	Rope end cleaner rod line 1	Clean Side Rod Area
10712	The new photo eye will give better indication of when the rope spool is out. This is in response to CAPs 06-129-C001.08.	Install new rope cleaner bracket on rod line 2	Tooling has modified a rope cleaner support (366F06EQ01) to fit a new photo eye sensor. This CCF is to install that bracket on Rod line 2 for use with a new photoeye sensor at a future date. The drawing referenced above has already been modified. Simila	Rope end cleaner rod line 2	Clean Side Rod Area

CCF-Number	Justification	Title	Description	Location	ISA ID
10713	To repair misalignment on lid and prevent it from causing any further damage.	ADU Line 2 C-201 lid hinge repair	Add spacer to properly align lid hinges. Once aligned, proceed to weld. This is in order to repair the C-201C lid. This work is identical to CCF # 10645. This CCF can also be used to fix C-201B as needed.	ADU Conversion Line 2 Vaporizers	ISA-03 ADU Conversion
10715	To give option for Girth Weld operation and drawing.	Braid SS Lines	On IFBA Rodline #7 Girth Welder chuck use air to open/close. Chuck drawing only show one type of air line to use ( Polyurethane) 3/8". Change drawing to reflect 1/4" Tygon or 1/4" SS braid. Change lines to reflect drawing.	IFBA Rodline #7	ISA-12 IFBA Fuel Rod Manufacturing

CCF-Number	Justification	Title	Description	Location	ISA ID
10716	It is felt that the current design of the Q-Tank discharge nozzle insert strainers is a major contributor to the cavitation issues and seal failures on the Q-Tank pumps. The new strainers should improve the flow of ADU waste effluent from the Q-Tanks t	Design and Build New and Improved Q-Tank Discharge Nozzle Insert Strainers	The existing original strainers that are installed in the Q-Tank bottom discharge nozzles were not fabricated correctly. The strainer was designed with forty-five 1/2" diameter holes and ten half 1/2" diameter holes. The strainer and holes are sized to prevent the glass raschig rings from entering the suction line to the pumps. The original design intended for the majority of the holes to be in the portion of the strainer that protrudes up into the bottom of the Q-Tank. However, the strainer was fabricated with only five holes in the top of the strainer that protrudes into the bottom of the Q-Tank, and the remainder of the 1/2" diameter holes are down in the 3" discharge nozzle which renders them very ineffective in allowing the ADU waste effluent to pass from the Q-Tank through the strainer and into the suction line for the pumps. As a result, the pumps are starved for liquid and this contributes to the cavitation issues that we have with the Q-Tank pumps. This project	Q-Tanks V-116A/B/C and V-216A/B/C in the ADU Conversion Area	ISA-03 ADU Conversion
10717	The new strainers and suction piping modifications will improve the flow of ADU waste effluent from the Q-Tanks to the pumps and should reduce pump cavitation and pump seal failures.	Install New Q-Tank Discharge Nozzle Insert Strainer on V-216A and Modify Suction Piping	Remove existing discharge nozzle insert strainer on Q-Tank V-216A and install new strainer designed and built under CCF # 10716. Modify suction piping on V-216A to allow for installation of new strainer.	Q-Tank V-216A in the ADU Conversion Area	ISA-03 ADU Conversion

CCF-Number	Justification	Title	Description	Location	ISA ID
10718	The new strainers and suction piping modifications will improve the flow of ADU waste effluent from the Q-Tanks to the pumps and should reduce pump cavitation and pump seal failures.	Install New Q-Tank Discharge Nozzle Insert Strainer on V-216B and Modify Suction Piping	Remove existing discharge nozzle insert strainer on Q-Tank V-216B and install new strainer designed and built under CCF # 10716. Modify suction piping on V-216B to allow for installation of new strainer.	Q-Tank V-216B in the ADU Conversion Area	ISA-03 ADU Conversion
10719	The new strainers and suction piping modifications will improve the flow of ADU waste effluent from the Q-Tanks to the pumps and should reduce pump cavitation and pump seal failures.	Install New Q-Tank Discharge Nozzle Insert Strainer on V-216C and Modify Suction Piping	Remove existing discharge nozzle insert strainer on Q-Tank V-216C and install new strainer designed and built under CCF # 10716. Modify suction piping on V-216C to allow for installation of new strainer.	Q-Tank V-216C in the ADU Conversion Area	ISA-03 ADU Conversion
10722	To give option for Girth Weld operation and drawing.	Braid SS Lines	On ERBIA Rodline 5 Girth Welder uses air to open and close chuck. Drawing does not show type of lines to use for this purpose. Change drawing to reflect 1/4" tygon tubing or 1/4" SS braid line for chuck operation. Change lines to reflect new drawing.	ERBIA line #5 Girth Welder	ISA-20 ERBIA
10724	RTV is typically applied to reduce airborne and provide a better seal. This is for non-safety significant applications.	Approved Use of RTV and other seal materials	This CCF will allow for the application or removal of various forms of RTV used to seal hoods, and other ventilation containment. This application/modification will be added to MCP-108139: Maintenance Mechanical Equipment Substitution, Section 16.0.	plant wide	Miscellaneous

CCF-Number	Justification	Title	Description	Location	ISA ID
10725	Threadsealers is typically applied to reduce loosening of various forms of fasteners. This is for non-safety significant applications.	Threadsealer Usage for Fasteners	This CCF will allow for the application or removal of various forms of threadsealers used to prevent bolts, studs, etc from loosening due to vibration. This application/modification will be added to MCP-108139: Maintenance Mechanical Equipment Substi	plantwide	Miscellaneous
10726	Minor fit up issues are typical for rotating equipment and requires minor maintenance to correct these deficiencies. This is for non-safety significant applications.	Modification due to Minor Fit Up changes	This CCF will allow for the use of minor maintenace corrective actions related to fitup. These are daily issues in the field. This application/modification will be added to MCP-108139: Maintenance Mechanical Equipment Substitution, Section 18.0. Se	plantwide	Miscellaneous
10727	These modifications are required for basic repair and maintenance of equipment with moving parts due to wear. This is for non-safety significant applications.	Modification due to Mechanical Refurbishment	This CCF will allow for basic mechanical refurbishment of plant equipment. This relates to bushings, sleeves, flame spray, various wear material coatings, etc This will be added to MCP-108139: Maintenance Mechanical Equipment Substitution, Section 1	plantwide	Miscellaneous
10728	Bearings meet tight tolerances and are standardized by the industry. Substitututions will be approved by an engineer and will be identical in form, fit and function with only minor cosmetic differences. This is for non-safety significant applications	Bearing Substitution Allowances	This CCF will allow for the replacement of like-kind bearings with engineering approval. The bearings must be identical in form, fit and function with only minor cosmetic differences. This application/modification will be added to MCP-108139: Mainte	PLANTWIDE	Miscellaneous

CCF-Number	Justification	Title	Description	Location	ISA ID
10729	These changes do not affect the original design intent. These pumps have been used throughout the plant for years. Many of the parts are interchangeable and are purchased through authorized sources. The pumps and parts meet ANSI specifications and ar	Chesterton (Blackmer)S-Frame and Goulds 3196 Pump Substitution	This CCF will allow for the substitution of Goulds 3196 and Chesterton S-Frame ANSI I centrifugal pumps. These pumps are essentially identical and can be interchanged in the field without changing the pump head. There are minor cosmetic and other non-	plantwide	Miscellaneous
10730	These changes do not affect the original design intent. All such parts are purchased through authorized sources and meet industry standards and are limited to non-safety significant applications.	Centrifugal Pump Base Substitution	This CCF will allow for the substitution of various branded centrifugal pump bases based on ANSI size. Functional design will remain unchanged. There are minor cosmetic and other non-functional differences which are also covered. . Manufacturers suc	plantwide	Miscellaneous
10731	Men's Change Room does not have an Ice Maker Dispenser; dispenser machine consist of ice and water.	2nd Floor Men's Change Room Ice Dispenser	Replace water fountain inside 2nd Floor Men's Change Room break area with a Hoshizaki Opti-Serve Counter Ice maker and water dispenser.	2nd Floor Men's Change Room	Miscellaneous
10732	Several sections at the rear of the Blue M are very hot, including the cover for the element chamber. Sand blast operators routinely are in the area to refill or replace sand blast media. Installation of this cover will provide additional protection f	Heat shield for rear of IFBA Blue M oven	Install a heat shield made of perforated stainless steel to the rear of the IFBA blue M oven.	Rear of IFBA blue M oven	ISA-19 Hoods and Containment
10733	Current location interferes with tubings carts.	Relocate door	Relocate the door to the planners storage area by rod line 8.	Closet by rod line 8 next to stairs	Components

CCF-Number	Justification	Title	Description	Location	ISA ID
10735	Customer seen the mechanical lever jam. If the unit was out of cleaner rope, it would not have sent a "Rope Reel Empty" signal to the PLC. The new photo eye will give better indication of when the rope reel is empty. This is in response to CAPs 06-129-C001.08.  No SSC's...  Exactly like CCF 09706	ADU Rod Line 2 Rope Cleaner Photoeye	We will be replacing on ADU Rod Line 2, the mechanical limit switch that detects cleaner rope for tube ends with a fiber optic photoeye.	ADU Rod Line 2 Tube End Cleaner	Clean Side Rod Area
10736	The existing Endress and Hauser probe (DC12TA) is obsolete, it has been superseded by the Endress and Hauser probe (FMI51). The new probe is the same form fit and function.	Replace Obsolete Level Probe in Chemical Cooling Tower	Replace the obsolete Level Probe in Chemical Cooling Tower Cold Well Sump.	Chemical Cooling Tower Cold Well Sump	Grounds
10738	Inadequate NPSH in Q tank pumps and pump seals failure due to cavitation. This has been detected with the vacuum gauge at V-116B (CCF 10236) and the suction pressure is 15-10' Hg vac. At this pressure cavitation will occur. The temporary installation in CCF 10236 shall be made permanent on this CCF 10738. The drawing will also be updated on this CCF and the same will be installed on V-116A and V-116C.  Isolation and lockout of block valve must be established and checked by engineer before installation can proceed.	V-116 A B & C suction pressure measurement.	Inadequate NPSH in Q tank pumps and pump seals failure due to cavitation. A combination pressure gauge with a range of vacuum pressure from 30" Hg vac to 15 psig will be installed on the suction pipe of each of the online Q tanks V-116A, B and C. The gauge will be connected the tank bottom 1" drain line with a isolation valve. Additional tee with a drain valve will also provide drainage for the tank and bleed off for any trapped air.	V-116 A,B and C Q tanks	ISA-03 ADU Conversion



CCF-Number	Justification	Title	Description	Location	ISA ID
10741	Allow prework and pre-wiring to reduce the outage window when these valves are activated and put into service.	Install Blocking Valves for Line 5 Precipitator	Install blocking valves to be activated under CCF 10-390 at a later date. These valves will be left in open position so they do not change how the precipitator operates currently. The new valves will be used to upgrade the precipitator SSCs from SIL 1	Line 5 Precipitator	ISA-03 ADU Conversion
10743	Current blower fan support is corroded and warp causing the fan not to be level with the motor; causes belts fail prematurely and bearings to wear unevenly.	AC28 Fan Support Replacement	Replace current carbon steel corroded fan support with Stainless Steel design.	AC28	ISA-01 Plant Ventilation System
10746	Existing monitor has failed and parts are not available.	REPLACE DEW POINT MONITOR ON AIR DRYER DR-7203	Replace the obsolete dew point monitor on Dryer Skid PK-7203 with a Kahn "Easidew" transmitter. See the attached file for further specifications. This monitor is only used for local display.	Equipment Room #1	Miscellaneous
10747	The current method uses mechanical floats, which are not reliable and often break apart or become stuck in the wrong position due to sludge build up.  The current system is also difficult to access and maintain.  The new probes will be conductive and not mechanically actuated.	PLN2 Centrifuge Tank: Level Sensor Upgrade	Use a substitute method of detecting low and high level of water in the centrifuge sludge tank.  Modify the mounting plate and necessary hardware for the new level probes.	PLN2 Centrifuge Tank	ISA-08 Pelletting
10749	Improves the handling capability of AP1000® and EDF non fuel rods through the area.	Non-fuel X-ray Conveyor	Replace the inlet conveyor of the non-fuel X-ray with a new one.	CFFF, Non-fuel Rods, QC	Components

CCF-Number	Justification	Title	Description	Location	ISA ID
10750	Changes required to handle increased rod length for AP1000® product.	WABA Dryroom Equipment Replacement	Replace the current WABA dry room table with a new table. Replace both weld chambers with plant standard weld chambers.	CFFF, Non-fuel Rods, WABA Dryroom	Components
10751	While the double seal works well in normal operations, there have been multiple times during the past year when the water is turned off and the seal fails quickly. The single seal has been tested and proven on scrubber pumps.	P105B seal replacement	Change the current P105B double mechanical seal with water flush to a single dynamic seal that does not require any seal fluid to keep it running.	P105B	ISA-03 ADU Conversion
10752	The old control valves are leaking through.	Control Valve Replacements on Still 2	Replace obsolete Foxboro P-25 control valves on Still 2 DI water line and reflux line with Baumann 24000SVF control valves. Remove 2 sections of DI water piping that are no longer in use.	URRS Outside / Still 2	Miscellaneous
10753	Not used.	Remove CPU stands from area	Remove CPU stands located near the RCCA fixtures. The drawing shows 2 stands but there is only one left in the area.	RCCA fixture area	Miscellaneous

CCF-Number	Justification	Title	Description	Location	ISA ID
10754	The current WS-203 welders (rod and tube welders) have components that are or will becoming obsolete in the near future. These upgrade will insure maintainability of the Welders.	Upgrade of WS-203 welders (Mechanical Side)	<p>Upgrade the current WS-203 welders to the WS-210 standard. The WS-210 welder has the following upgrades:</p> <p>New PCs  New National Instrument data acquisition board  New Master interface board  New Miller welder power supply.</p> <p>This CCF will allow us to use the WS-203 or the new WS-210 interchangeably. Upgraded WS-203 welders will be relabeled as WS-210 welders; this tagging is included in the upgrade kit in the Westinghouse storeroom.</p>	Mechanical Side Instrument Shop	Miscellaneous
10755	<p>If there is a "crash" where the robot gripper is impacted, the gripper can become misaligned. Addition of an alignment station will allow quick accurate gripper realignment.</p> <p>It was identified that the servo was not included in the hard wired e-stop circuit, so this implementation will correct the issue.</p>	Auto Dashpot Fab System Follow Up Modifications	<p>Modify the tube regrip station in the Auto Dashpot Fabrication System to add a robot tube gripper alignment fixture to allow quick accurate checking of the robot tool alignment.</p> <p>Modify the system e-stop circuit to include adding the welder chuck servo motor to the hard-wired circuit for added safety.</p>	Between Column 11C / 12C next to the Thimble Fab Line	Components

CCF-Number	Justification	Title	Description	Location	ISA ID
10757	Existing control system is obsolete.	Pre-work for BPCS/SIS Line 5	Install wire-way, conduit, junction boxes and wire to support upgrade of Honeywell TDC2000 to Honeywell C200 controllers for ADU Line 5. Conduit will be routed to avoid existing work paths. No existing SSCs will be affected by this installation, theref	ADU Line 5	ISA-03 ADU Conversion
10758	Existing control system is obsolete.	Pre-work for BPCS Line 1	Install conduit, junction boxes and wire to support upgrade of Honeywell TDC2000 to Honeywell C200 controllers for ADU Line 1. Conduit will be routed to avoid existing work paths. No existing SSCs will be affected by this installation, therefore no IT	ADU Line 1	ISA-03 ADU Conversion
10759	An E-stop was placed close by that the rod carts keep bumping into and that shuts off the air to the walking beams. There is no shroud made for the E-stop, the plate will not allow the carts to get close to the E-stop, but does not block the E-Stop for	E-stop plate guard	Add a 3 x 13 x 3/8 plate at the end of Gamma Scanner 4 rod infeed.	Gamma Scanner 4	Clean Side Rod Area
10761	There appears to be detector variability with respect to temperature - it is desired to remove variability.	Control UN Bulk Storage gamma monitor detectors temperature	Add heat tracing and insulation to maintain constant temperature of UN Bulk Storage gamma monitor detectors: T-1040, T-1041, T-1042, T-1043, T-1045. Additionally, T-1045 gamma monitor detector enclosure will be rotated 90° so that it does not point at	UN Bulk Storage pad	ISA-02 Uranyl Nitrite Bulk Storage Tanks
10763	Reduce probability of a dangerous undetected failure of the SSC.	Upgrade ADUVAP-117 to SIL 2	Replace existing SPA with an STA to increase the SIL rating of ADUVAP-117 from SIL-1 to SIL-2.	Trench Level Alarm Panel for West Trench	ISA-03 ADU Conversion

CCF-Number	Justification	Title	Description	Location	ISA ID
10765	<p>This change was recommended as action item 63 in LOPA Report 125.003 Rev A dated March 2005.</p> <p>Controls will be modeled after SSC ADUPCP-401 x05 Pump interlock to prevent ammonium nitrate explosion.</p>	Upgrade SSC ADUSCR-404 for P-511 A & B	Upgrade SSC ADUSCR-404 Low flow on discharge of pump P-511 A & B from a flow switch based interlock to a High pump temperature interlock.	At Pump P-511 A & B	ISA-01 Plant Ventilation System
10766	<p>This change was recommended as action item 63 in LOPA Report 125.003 Rev A dated March 2005.</p> <p>Controls will be modeled after SSC ADUPCP-401 x05 Pump interlock to prevent ammonium nitrate explosion.</p> <p>This change is similar to CCF 10-765.</p>	Upgrade SSC ADUSCR-404 for P-531 A & B	Upgrade SSC ADUSCR-404 Low flow on discharge of pump P-531 A & B from a flow switch based interlock to a High pump temperature interlock.	At Pump P-531 A & B	ISA-01 Plant Ventilation System
10767	<p>This change was recommended as action item 63 in LOPA Report 125.003 Rev A dated March 2005.</p> <p>Controls will be modeled after SSC ADUPCP-401 x05 Pump interlock to prevent ammonium nitrate explosion.</p> <p>This change is similar to CCF 10-765.</p>	Upgrade SSC ADUSCR-404 for P-531 C & D	Upgrade SSC ADUSCR-404 Low flow on discharge of pump P-531 C & D from a flow switch based interlock to a High pump temperature interlock.	AT Pump P-531 C & D	ISA-01 Plant Ventilation System

CCF-Number	Justification	Title	Description	Location	ISA ID
10768	<p>This change was recommended as action item 62 in LOPA Report 125.003 Rev A dated March 2005.</p> <p>Controls will be modeled after SSC ADUPCP-401 x05 Pump interlock to prevent ammonium nitrate explosion.</p> <p>This change is similar to CCF 10-765.</p>	Upgrade SSC ADUX12-401 for P-512 A & B	Upgrade SSC ADUX12-401 Low flow on discharge of pump P-512 A & B from a flow switch based interlock to a High pump temperature interlock.	At Pump P-512 A & B	ISA-03 ADU Conversion
10770	The out-of-service T-9 pressure vessel is being converted to an atmospheric tank for the storage of aqueous ammonia. The existing cover will be removed for the internal inspection of tank. Install the new cover when the tank is closed back up.	T-9 Man Way Cover Replacement	<p>Replace man way cover on the out-of-service T-9 tank. New cover to be 1/2" thick and match existing bolt pattern and outside dimension. Gasket to be Gore, Universal Pipe Gasket Style 800, 100% expanded PTFE, 1/8" thick.</p> <p>There are no equipment drawings of the tank. An equipment drawing of the tank and cover will be made as part of the Anhydrous Ammonia Elimination project which includes converting this tank into an atmospheric tank.</p>	Tank Farm	ISA-06 Chemicals Receipt, Handling and Storage
10772	Due to manufacturing changes at the factory the existing fuses are failing at an increased rate. We contacted Clepco (heater manufacturer) and they agreed that in our application we should move to the "AH" model Thermal Fuse from the "A" model Thermal Fuse.	Thermal Fuse Substitution in Plating Room	The Thermal Fuses for the submerged heaters in the plating room are failing. This CCF will allow us to substitute the higher temperature rated fuses. Note: the current rating on these fuses are the same.	Plating Room submergeable heaters	Components

CCF-Number	Justification	Title	Description	Location	ISA ID
10774	Customer seen the mechanical lever jam. If the unit was out of cleaner rope, it would not have sent a "Rope Reel Empty" signal to the PLC. The new photo eye will give better indication of when the rope reel is empty. This is in response to CAPs 06-129-C001.08.  No SSC's...  Exactly like CCF 09706	ADU Rod Line 1 Rope Cleaner Photoeye	We will be replacing on ADU Rod Line 1, the mechanical limit switch that detects cleaner rope for tube ends with a fiber optic photoeye.	ADU Rod Line 1 Tube End Cleaner	Clean Side Rod Area
10777	Mobil XHP 221 grease is required per the lathe manufacturer's specifications. Use of an alternate grease will void manufacturer's warranty.	Auto Dashpot Fabrication System Lathe Lubricant	Use Mobil XHP 221 grease to lubricate the Auto Dashpot Fabrication System lathe. (Ref. CCF 10271 for Auto Dashpot Fabrication System).  Ref. attached Mobil XHP 221 spec. sheet and MSDS(Note: Mobilgrease XHP 221 is in the Westinghouse online MSDS database).	Mechanical Area \ Auto Dashpot Fabrication Line	Miscellaneous
10779	The existing detectors are obsolete and no longer available. We do not have a spare on hand.	substitute ammonia detector	Substitute new Draeger Polytron 7000 ammonia detectors for obsolete Polytron 2 detectors at tank farm. The new detectors are direct replacements for the old ones. They use the same sensors and have improved diagnostics and an improved operator display. The functionality of the ammonia alarm will not be changed. The alarm SSC is CHEM-921 on page 65 of 836038-1	around ammonia storage tanks	ISA-06 Chemicals Receipt, Handling and Storage

CCF-Number	Justification	Title	Description	Location	ISA ID
10780	Required by operators during acid wash and technicians during calibration.	Gamma Monitor Access Platform	Install a platform to access ADU waste gamma monitors and associated valves.	UF6 Bay next to existing gamma monitors	ISA-03 ADU Conversion
10781	Operator currently moves tubes across line to terminal located at D&V to find defect codes on tubes.	CRMS Terminal (Ln.8)	Install a CRMS terminal at the end of line 8 weigh station to determine defect codes on tubes being removed from line.	Tube Prep line 8 Wt. Station	Clean Side Rod Area
10782	The new grid strap component cleaning equipment will encroach into the current pathway for transferring part carts through the grid/strap component cleaning/annealing room. Modifying the furnace's lifter track system, to eliminate/minimize floor obstruction	Annealing Furnace Track Modification	Modify the VFS annealing furnace (#2) lifter tracks to eliminate/minimize floor obstructions to the movement of part transfer carts through the area.	CFFF, Grid Strap Cleaning/Annealing Room	Components
10788	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.	Relocation of Still I Temperature Indication Loops from TDC Controller to C200 Controller	Relocate loops listed below: 1. TI-1100, Outside Air Temperature 2. TI-1102A, Still Overhead 3. TI-1102C, Still 10th Tray 4. TI-1102D, Still Bottoms Out 5. TI-1103A, Absorber Recirculation 6. TI-1103B, Absorber Sump 7. TI-1104, Condenser 8. TI-1107A, Feed Preheater to Flash Tank 9. TI-1107B, Feed Preheater to Lagoon 10. TI-1145, Cooling water Supply 11. TI-4, Product Out from TDC Box 30 to Stills C200 controller.	URRS Outside Stills Control Room	ISA-15 URRS Wastewater Treatment System



CCF-Number	Justification	Title	Description	Location	ISA ID
10790	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.	Relocation of Still 2 Temperature Indication Loops from TDC Controller to C200 Controller	Relocate loops listed below: 1. TI-1176A, Flash Tank Feed Preheater 2. TI-1176B, Bottoms to Lagoon 3. TI-1177, Dist. Column Feed 4. TI-1178A, Dist. Column Top 5. TI-1178B, Dist. Column Tray 14 6. TI-1178C, Dist. Column Tray 11 7. TI-1180, Condenser 8. TI-1181, Absorber from TDC Box 30 to Stills C200 controller.	URRS Outside Stills Control Room	ISA-06 Chemicals Receipt, Handling and Storage
10793	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.	Relocation of Loops FIC-1175, FIC-1178, FIC-1178B, FCV-1178B, FIC-1177, FCV-1177, FIC-1109, and FCV-1109 from TDC Controller to C200 Controller	Relocate loops listed below: 1. FIC-1175, Waste flow to T-1110/T-1111 2. FIC-1178, Feed to Still 3. FIC-1178B, Steam Flow to Reboiler 4. FCV-1178B, Steam Flow to Reboiler Valve 5. FIC-1177, Caustic Flow to Still 2 6. FCV-1177, Caustic Flow Valve 7. FIC-1109, Lime Flow to T-1111 8. FCV-1109, Lime Flow to T-1111 Valve from TDC Box 35 and 36 to Stills C200 controller.	URRS Outside Stills Control Room	ISA-06 Chemicals Receipt, Handling and Storage
10794	Allow monitoring of loop LI-1117 from the Stills control room.	Installation of Loop LI-1117 to C200 Controller	Add loop LI-1117 to Stills C200 Controller	URRS Outside Stills Control Room	ISA-15 URRS Wastewater Treatment System
10795	Allow monitoring of loop LI-1143 from the Stills control room.	Installation of Loop LI-1143 to C200 Controller	Add loop LI-1143 to Stills C200 Controller.	URRS Outside Stills Control Room	ISA-15 URRS Wastewater Treatment System

CCF-Number	Justification	Title	Description	Location	ISA ID
10797	The decanter will be operated at each pool depth to determine the best setting for centrate clarity.	Line 4 Decanter Weir Ring	Install a new weir ring with three optional settings for decanter pool depth.	D-407	ISA-03 ADU Conversion
10798	Future NCSIP-II requirement.	Add Backflow preventer to DI Water Supply to Line 5	Add backflow preventer to prevent material from precipitation tank backflowing into the DI Water tank T-204.	Installation will occur by T-204	ISA-03 ADU Conversion
10799	This is required as part of the upgrade of the Basic Process Control System in ADU Conversion Line 5.	Add line E-Stop indication into BPCS For Line 5	Connect Line E-Stop into Basic Process Control System (Honeywell C200) for ADU Line 5. This will allow the BPCS to transition properly after an E-Stop occurs.  Install I/O cards and relays to support future point expansion.	ADU Line 5	ISA-03 ADU Conversion
10800	In the current location the probe "sees" relatively wide temperature swings. These swings are causing excessive cycling of the cooling tower fans. The fans are failing prematurely due to this cycling. By installing the probe in the sump we will get a more "valid" reading and with the increased thermal mass we will decrease the cycling that we are currently exhibiting.	Relocate Temperature Probe in Chem. Cool Twr. Sump	Relocate the water temperature probe for the Chemical Cooling Tower. Currently the probe is in the line between the tower and the cold well sump. We will be relocating the probe into the sump.	Chemical Cooling Tower, Outside	ISA-06 Chemicals Receipt, Handling and Storage
10801	The change will address safety concerns associated with chain falls as well as improve the quality of the lift. Miscellaneous small capital has been approved for this equipment.	Electric Hoist for D107	Install an electric hoist in place of the current chain fall. The hoist is a 2 ton Coffing model JLCET4008-3-20	Conversion Line 1	ISA-03 ADU Conversion

CCF-Number	Justification	Title	Description	Location	ISA ID
10802	This change will address safety concerns associated with chain falls as well as improve the quality of the lift. Miscellaneous small capital has been approved for this equipment.	Electric Hoist for D207	Install an electric hoist in place of the current chain fall. The hoist is a 2 ton Coffing model JLCET4008-3-20	Conversion Line 2	ISA-03 ADU Conversion
10803	This change will address safety concerns associated with chain falls as well as improve the quality of the lift. Miscellaneous small capital has been approved for this equipment.	Electric Hoist for D407	Install an electric hoist in the place of the current chain fall. The hoist is a 2 ton Coffing model JLCET4008-3-20	Conversion Line 4	ISA-03 ADU Conversion
10804	Per GasBoy Corp. safety/installation procedures, we are required to provide a means of breaking the hot and neutral conductors.	Tractor Shed Gas Pump Electrical Install	We will install a 3 pole disconnect line side of the gas pump that will be used to break the hot and neutral conductors.  This CCF will support ccf 10647.	Tractor Shed Gas Pump	Grounds
10805	1. The physical alignment should be proven to ensure repeatability. Proving repeatability will insure that the future CCF for electrical disconnection of cathode conductors will succeed 2. Currently the LOTO for working on cathodes is cumbersome and req	Coater 1 Disconnect Plug Mounting Brackets.	Install a mounting fixture for automatically disconnecting coater # 1 cathode conductors utilizing the door open and closing actuation. This fixture shall be for preliminary testing and mechanical alignment for future plug and receptacle connection and	IFBA	ISA-14 IFBA Processing
10806	1. The physical alignment should be proven to ensure repeatability. Proving repeatability will insure that the future CCF for electrical disconnection of cathode conductors will succeed 2. Currently the LOTO for working on cathodes is cumbersome and req	Coater 2 Disconnect Plug Mounting Brackets.	Install a mounting fixture for automatically disconnecting coater # 2 cathode conductors utilizing the door open and closing actuation. This fixture shall be for preliminary testing and mechanical alignment for future plug and receptacle connection and	IFBA	ISA-14 IFBA Processing

CCF-Number	Justification	Title	Description	Location	ISA ID
10807	1. The physical alignment should be proven to ensure repeatability. Proving repeatability will insure that the future CCF for electrical disconnection of cathode conductors will succeed 2. Currently the LOTO for working on cathodes is cumbersome and req	Coater 3 Disconnect Plug Mounting Brackets.	Install a mounting fixture for automatically disconnecting coater # 3 cathode conductors utilizing the door open and closing actuation. This fixture shall be for preliminary testing and mechanical alignment for future plug and receptacle connection and	IFBA	ISA-14 IFBA Processing
10808	1. The physical alignment should be proven to ensure repeatability. Proving repeatability will insure that the future CCF for electrical disconnection of cathode conductors will succeed 2. Currently the LOTO for working on cathodes is cumbersome and req	Coater 4 Disconnect Plug Mounting Brackets.	Install a mounting fixture for automatically disconnecting coater # 4 cathode conductors utilizing the door open and closing actuation. This fixture shall be for preliminary testing and mechanical alignment for future plug and receptacle connection and	IFBA	ISA-14 IFBA Processing
10809	1. The physical alignment should be proven to ensure repeatability. Proving repeatability will insure that the future CCF for electrical disconnection of cathode conductors will succeed 2. Currently the LOTO for working on cathodes is cumbersome and req	Coater 5 Disconnect Plug Mounting Brackets.	Install a mounting fixture for automatically disconnecting coater # 5 cathode conductors utilizing the door open and closing actuation. This fixture shall be for preliminary testing and mechanical alignment for future plug and receptacle connection and	IFBA	ISA-14 IFBA Processing
10810	1. The physical alignment should be proven to ensure repeatability. Proving repeatability will insure that the future CCF for electrical disconnection of cathode conductors will succeed 2. Currently the LOTO for working on cathodes is cumbersome and req	Coater 6 Disconnect Plug Mounting Brackets.	Install a mounting fixture for automatically disconnecting coater # 6 cathode conductors utilizing the door open and closing actuation. This fixture shall be for preliminary testing and mechanical alignment for future plug and receptacle connection and	IFBA	ISA-14 IFBA Processing

CCF-Number	Justification	Title	Description	Location	ISA ID
10811	1. The physical alignment should be proven to ensure repeatability. Proving repeatability will insure that the future CCF for electrical disconnection of cathode conductors will succeed 2. Currently the LOTO for working on cathodes is cumbersome and req	Coater 7 Disconnect Plug Mounting Brackets.	Install a mounting fixture for automatically disconnecting coater # 7 cathode conductors utilizing the door open and closing actuation. This fixture shall be for preliminary testing and mechanical alignment for future plug and receptacle connection and	IFBA	ISA-14 IFBA Processing
10812	Water is cold while washing hands.	Women Restroom Inline Water Heater Installation	Install inline water heater under sinks of the 2nd floor women's restroom near Plant Manager's office.	Women's Restroom near Plant Manager's Office	Miscellaneous
10814	Water is cold while washing hands.	Women Restroom Inline Water Heater Installation	Install inline water heater under sinks of the 1st floor women's restroom near Security Office.	Women's Restroom near Security Office	Miscellaneous

CCF-Number	Justification	Title	Description	Location	ISA ID
10816	<p>Coater Cathode Disconnect Fixture</p> <p>Currently the LOTO for working on cathodes is cumbersome and requires unplugging 6 separate plugs. The three plugs on the back are then placed inside a lock box. The same procedure is done for the three door cathodes 2. Each coater is physically alike this has caused operators to disconnect live cathode plugs in error. This has happened typically at the back of the coaters where the tilt of the coater was not apparent. 3. The repeated disconnections of the plugs have reduced the plugs efficiency. In some cases the plugs have not conducted the voltage and current efficiently to the cathode.</p> <p>Quick Disconnect</p> <p>The existing quick disconnects are not robust and fail due to loose connections. They also have no latching means to keep the plug and receptacle from separating. The new</p>	<p>Install electrical to coater 1 cathode disconnect fixture and install new quick disconnect plugs.</p>	<p>Install electrical wiring to coater 1 cathode disconnect fixture installed on CCF-10805 The ungrounded cathode conductor from the six power supplies will be connected to a receptacle mounted on the coater frame. A plug mounted on the movable door shall</p>	IFBA	ISA-14 IFBA Processing

CCF-Number	Justification	Title	Description	Location	ISA ID
10818	<p>Coater Cathode Disconnect Fixture</p> <p>Currently the LOTO for working on cathodes is cumbersome and requires unplugging 6 separate plugs. The three plugs on the back are then placed inside a lock box. The same procedure is done for the three door cathodes 2. Each coater is physically alike this has caused operators to disconnect live cathode plugs in error. This has happened typically at the back of the coaters where the tilt of the coater was not apparent. 3. The repeated disconnections of the plugs have reduced the plugs efficiency. In some cases the plugs have not conducted the voltage and current efficiently to the cathode.</p> <p>Quick Disconnect</p> <p>The existing quick disconnects are not robust and fail due to loose connections. They also have no latching means to keep the plug and receptacle from separating. The new</p>	<p>Install electrical to coater 2 cathode disconnect fixture and install new quick disconnect plugs.</p>	<p>Install electrical wiring to coater 2 cathode disconnect fixture installed on CCF-10806 The ungrounded cathode conductor from the six power supplies will be connected to a receptacle mounted on the coater frame. A plug mounted on the movable door shall</p>	IFBA	ISA-14 IFBA Processing
10819	<p>Restroom is very cold during the winter months.</p>	<p>2nd Floor Women Restroom Heater Installation</p>	<p>Install a 5KW, 240V recess mounted ceiling heater in women's restroom near Plant Manager's Office.</p>	<p>Women's Restroom Near Plant Manager's Office</p>	Miscellaneous

CCF-Number	Justification	Title	Description	Location	ISA ID
10822	<p>Coater Cathode Disconnect Fixture</p> <p>Currently the LOTO for working on cathodes is cumbersome and requires unplugging 6 separate plugs. The three plugs on the back are then placed inside a lock box. The same procedure is done for the three door cathodes 2. Each coater is physically alike this has caused operators to disconnect live cathode plugs in error. This has happened typically at the back of the coaters where the tilt of the coater was not apparent. 3. The repeated disconnections of the plugs have reduced the plugs efficiency. In some cases the plugs have not conducted the voltage and current efficiently to the cathode.</p> <p>Quick Disconnect</p> <p>The existing quick disconnects are not robust and fail due to loose connections. They also have no latching means to keep the plug and receptacle from separating. The new</p>	<p>Install electrical to coater 3 cathode disconnect fixture and install new quick disconnect plugs.</p>	<p>Install electrical wiring to coater 3 cathode disconnect fixture installed on CCF-10807 The ungrounded cathode conductor from the six power supplies will be connected to a receptacle mounted on the coater frame. A plug mounted on the movable door shall</p>	IFBA	ISA-14 IFBA Processing



CCF-Number	Justification	Title	Description	Location	ISA ID
10824	<p>Coater Cathode Disconnect Fixture</p> <p>Currently the LOTO for working on cathodes is cumbersome and requires unplugging 6 separate plugs. The three plugs on the back are then placed inside a lock box. The same procedure is done for the three door cathodes 2. Each coater is physically alike this has caused operators to disconnect live cathode plugs in error. This has happened typically at the back of the coaters where the tilt of the coater was not apparent. 3. The repeated disconnections of the plugs have reduced the plugs efficiency. In some cases the plugs have not conducted the voltage and current efficiently to the cathode.</p> <p>Quick Disconnect</p> <p>The existing quick disconnects are not robust and fail due to loose connections. They also have no latching means to keep the plug and receptacle from separating. The new</p>	<p>Install electrical to coater 4 cathode disconnect fixture and install new quick disconnect plugs.</p>	<p>Install electrical wiring to coater 4 cathode disconnect fixture installed on CCF-10808 The ungrounded cathode conductor from the six power supplies will be connected to a receptacle mounted on the coater frame. A plug mounted on the movable door shall</p>	IFBA	ISA-14 IFBA Processing

CCF-Number	Justification	Title	Description	Location	ISA ID
10825	<p>Coater Cathode Disconnect Fixture</p> <p>Currently the LOTO for working on cathodes is cumbersome and requires unplugging 6 separate plugs. The three plugs on the back are then placed inside a lock box. The same procedure is done for the three door cathodes 2. Each coater is physically alike this has caused operators to disconnect live cathode plugs in error. This has happened typically at the back of the coaters where the tilt of the coater was not apparent. 3. The repeated disconnections of the plugs have reduced the plugs efficiency. In some cases the plugs have not conducted the voltage and current efficiently to the cathode.</p> <p>Quick Disconnect</p> <p>The existing quick disconnects are not robust and fail due to loose connections. They also have no latching means to keep the plug and receptacle from separating. The new ODU plug has a higher voltage rating and self latching mechanism. This new plug also has crimp wire connections</p>	Install electrical to coater 5 cathode disconnect fixture and install new quick disconnect plugs.	Install electrical wiring to coater 5 cathode disconnect fixture installed on CCF-10809 The ungrounded cathode conductor from the six power supplies will be connected to a receptacle mounted on the coater frame. A plug mounted on the movable door shall	IFBA	ISA-14 IFBA Processing

CCF-Number	Justification	Title	Description	Location	ISA ID
10826	<p>Coater Cathode Disconnect Fixture</p> <p>Currently the LOTO for working on cathodes is cumbersome and requires unplugging 6 separate plugs. The three plugs on the back are then placed inside a lock box. The same procedure is done for the three door cathodes 2. Each coater is physically alike this has caused operators to disconnect live cathode plugs in error. This has happened typically at the back of the coaters where the tilt of the coater was not apparent. 3. The repeated disconnections of the plugs have reduced the plugs efficiency. In some cases the plugs have not conducted the voltage and current efficiently to the cathode.</p> <p>Quick Disconnect</p> <p>The existing quick disconnects are not robust and fail due to loose connections. They also have no latching means to keep the plug and receptacle from separating. The new</p>	<p>Install electrical to coater 6 cathode disconnect fixture and install new quick disconnect plugs.</p>	<p>Install electrical wiring to coater 6 cathode disconnect fixture installed on CCF-10810 The ungrounded cathode conductor from the six power supplies will be connected to a receptacle mounted on the coater frame. A plug mounted on the movable door shall</p>	IFBA	ISA-14 IFBA Processing

CCF-Number	Justification	Title	Description	Location	ISA ID
10827	<p>Coater Cathode Disconnect Fixture</p> <p>Currently the LOTO for working on cathodes is cumbersome and requires unplugging 6 separate plugs. The three plugs on the back are then placed inside a lock box. The same procedure is done for the three door cathodes 2. Each coater is physically alike this has caused operators to disconnect live cathode plugs in error. This has happened typically at the back of the coaters where the tilt of the coater was not apparent. 3. The repeated disconnections of the plugs have reduced the plugs efficiency. In some cases the plugs have not conducted the voltage and current efficiently to the cathode.</p> <p>Quick Disconnect</p> <p>The existing quick disconnects are not robust and fail due to loose connections. They also have no latching means to keep the plug and receptacle from separating. The new</p>	Install electrical to coater 7 cathode disconnect fixture and install new quick disconnect plugs.	Install electrical wiring to coater 7 cathode disconnect fixture installed on CCF-10811 The ungrounded cathode conductor from the six power supplies will be connected to a receptacle mounted on the coater frame. A plug mounted on the movable door shall	IFBA	ISA-14 IFBA Processing
10828	The Beco Hersey back-flow device is obsolete, severely corroded and leaking.	Replace a 3" Backflow Preventer in the UF6 Bay	Remove the Beco Hersey Back Flow Preventer located in the UF6 bay near the outside wall. A Watts , model 909 OSY, reduced pressure assembly will be installed.	Chemical Side, UF6 Bay	ISA-03 ADU Conversion

CCF-Number	Justification	Title	Description	Location	ISA ID
10830	Improved communication from EH&S regarding Target ZERO.	Target Zero TRIR Display Board	We will be mounting the new EH&S Target Zero display board in place of the current display case. Location: wall between main security station and cafeteria dining entrance. We will install a 110v outlet svc. the display board and stop light.	wall between main security station and cafeteria dining entrance	Miscellaneous
10831	Approved capital project	Agitate Washer 1 Plumbing Upgrade Prework	Disconnect and plug the Agitate Wash #1 discharge line interface at the T-fitting. View attachments for procedure on how to perform work on piping and fittings.	ADU Scrap Cage	ISA-11 Scrap Uranium Processing
10832	Approved capital project	Agitate Washer #1 Waste Line and Pressure Washer 1 Work	<ul style="list-style-type: none"> <li>o Replace the waste stream discharge line system for Agitate Wash Station #1 and Pressure Wash Station #1.</li> <li>o Replace existing stainless steel discharge tubing and piping with Kynar pipe and PFA tubing.</li> <li>o Replace identified existing discharge line check valves, manual valves and replace and rewire control valves with non-metallic valves, replace level sensors.</li> <li>o Remove low level sensor from pressure washer 1 housing.</li> </ul> <p>---See attachment for piping and fitting installation instructions.</p>	ADU Scrap Cage	ISA-10 ADU Rods

CCF-Number	Justification	Title	Description	Location	ISA ID
10835	CAPs commitment... #10-270-C004.02 (Generate a CCF to install a new "e-stop" on the ADU rod scrap lathe).	E-Stop addition to Repair Lathe #3	We will be installing an E-Stop on Repair Lathe #3.	ADU Rod reappear lathe #3	ISA-10 ADU Rods
10836	The field interface for the energy management system is a small "sinking" relay circuit board originally manufactured by Barber-Coleman. This interface board is no longer available. We will be using a DIN rail mounted solid state relay to replace the Barber-Coleman relay interface unit.	Replace Energy Management I/O interface cards	Replace obsolete Barber-Coleman relay interface board for the Honeywell energy management system.	Cooling Towers behind plant	Grounds
11001	The new replacement pump came with a 5 HP motor. The new motor will not affect the overall performance of the pump.	Replacement of P-1166B Motor	Replace the existing 3 HP motor with a 5 HP motor on P-1166B pump.	URRS Outside Waterglass	ISA-15 URRS Wastewater Treatment System
11002	AP1000® work and requested by area manager. This will eliminated the potential safety issues with the proximity to the aisle.	Non-Fuel Insert Weld Station Relocation	The Non-Fuel Insert Weld Station and the top connector table will be relocated from the existing location to the bay bounded by columns 13D-E & 14D-E to 13C-D & 14C-D.	Non-Fuel	Components
11003	The current reflector mounting brackets are getting knocked out of alignment by the caskets. A substantial mount is required	Change Reflector Mounting Brackets, for casket conveyor	Change the reflector mounting brackets on the Erbia Dock7 casket conveyor. This CCF will allow us to change to a more substantial mounting bracket. We will be replacing the "C channel" with box tubing.	Erbia Dock 7 Casket Conveyor	ISA-20 ERBIA
11005	Grinder Line 3 is controlled by a NumaLogic 1200 PLC. The PLC is obsolete. Units have not been made by the original manufacturer since 1989.	Grinder Line 3 Controls Upgrade	We will replace the obsolete NumaLogic PLC with a GE 90-30 PLC.  This is just like CCF 08312	Pellet Grinder Line 3	ISA-08 Pelleting

CCF-Number	Justification	Title	Description	Location	ISA ID
11007	This modification will resolve elevated vibration levels on the Chemical Cooling Tower "A" Cell.	Add braces to fan structure on the Chemical Cooling Tower	<p>The Chemical Cooling Tower "A" cell suffered fatigue cracking on the fan drive structural support members and CCF-10773 was generated to correct the problem.</p> <p>The OEM modified the fan support structure and added new braces.</p> <p>Upon re-start, it was noted that some vibration was still present. A resonance impact test was performed, with the following outcome: the new braces have a resonance frequency which is causing the vibration.</p> <p>This CCF will allow additional bracing, to be designed and installed by the OEM per the attached drawing.</p>	Chemical Cooling Tower	Miscellaneous
11008	Continuity of operations	Allow use of spool piece in place of three way valve	Allow use of a spool piece in place of three way valve to select either liquid scrap or UN bulk storage feed to SOLX. The three way valve is normally to be used - this is if three way valve is in disrepair, unavailable, etc.	UF6 bay	ISA-07 Solvent Extraction
11009	Approximately 6 foot of the ventilation duct located directly above the flare stack on SF3A is burned completely through.	Flare Stack vent line on SF3A	Replace the degraded section of galvanized duct which vents the Flare Stack on the exit end of Sintering Furnace 3A. This new section of duct will be 18 GA 304 SS construction with rolled angle flange connections.	Pellet Area / Sintering Furnaces / 3A	ISA-01 Plant Ventilation System

CCF-Number	Justification	Title	Description	Location	ISA ID
11011	The HE cathodes will reduce cycle time by allowing an increase in power supply to the cathodes, and increase the targets utilization. This is part of an ongoing test program. Reference closed CCF #10332.	Installation of High Efficiency Cathode for Qualification Test Run on Coater #8	Remove current target tiles. Remove six (6) cathodes and install six (6) High Efficiency (HE) cathodes with new insulators. Install current and modified target tiles to the HE cathodes.	IFBA	ISA-14 IFBA Processing
11012	Once a system is in place to receive, store and transfer aqueous ammonia, the use of anhydrous ammonia at the Columbia Fuel Fabrication Facility can be eliminated. Anhydrous ammonia is one of the most hazardous chemicals used at the Columbia site. An an	Aqueous Ammonia Receiving/Storage/Transfer System	Provide a means to receive twenty-four (24) weight percent aqueous ammonia from an outside vendor, store that material and then transfer into the existing aqueous ammonia storage system in the tank farm of the Uranium Recycle and Recovery department.	URRS - Tank Farm	ISA-06 Chemicals Receipt, Handling and Storage
11014	We are currently tripping the circuit breaker and it is difficult to troubleshoot. This change will allow us to individually determine which outlet is causing the problem. Having the local receptacles as the ground fault sensor will allow the operators	Add GFCI receptacles in IFBA Chem. Lab Hoods	Remove GFCI breakers for RPH-106-1 Ckts 36 and 40. Add 4 GFCI receptacles in IFBA Chem. Lab. Hoods.	IFBA Chem. Lab. hoods	ISA-18 Laboratories
11015	DI water is currently supplied through the ammonia converter to dilute ammonia batches from the still processes that are above specification. With the elimination of the anhydrous ammonia system, a way to dilute ammonia in these tanks is needed.	DI Water Supply to T-2, T-3 & T-4 Tanks	Provide DI water supply to the T-2, T-3 and T-4 tanks.	URRS - Tank Farm	ISA-06 Chemicals Receipt, Handling and Storage



CCF-Number	Justification	Title	Description	Location	ISA ID
11018	The existing flush mount sprinkler heads are in poor condition. The cover plates on many of these sprinklers are broken and parts are not available.	Deficiencies with Fire Sprinkler Heads in the 2nd Floor Office Area	<p>This CCF is generated to address the deficiencies with the fire sprinkler heads located in the ceiling of the 2nd floor front office area.</p> <p>Replace the existing concealed flush mount sprinkler heads located in the ceiling of the 2nd floor front office area with semi recess pendent style sprinkler heads, equipped with chrome trim rings. These new sprinkler heads, rated at 155 degrees are U.L. Listed and FM Approved.</p> <p>Work will be done in accordance with NFPA-13.</p>	Fire Protection System / 2nd Floor Office Area	Miscellaneous
11021	Access is required to the top of the tank for external and UT mechanical integrity inspections of the tank, man-way access for internal mechanical integrity inspections and preventive maintenance tasks of the conservation vent.	T-9 Tank Maintenance Platform	Provide a maintenance platform to provide access to the top of the T-9 tank.	URRS - Tank Farm	ISA-06 Chemicals Receipt, Handling and Storage
11022	Mechanics need to replace the actuators for the walking beam.	UT2 framework	Cut out 2 sections of the framework under UT2 and relocate electrical box so there will be clearance to perform maintenance There are no drawings showing the frame brace so pictures are attached	UT2	ISA-10 ADU Rods

CCF-Number	Justification	Title	Description	Location	ISA ID
11023	Current system is not the correct type of scrubber for this application.	Laser Welder #6 Wet Filtration System	Install a new wet filtration system on Grid Laser Welder #6. There are no active or passive engineered safety significant controls. There are two administrative controls, Safety Significant PM71097 for cleaning the scrubber and Safety Significant PM71	Grid Welding Area	Components
11025	TO INCREASE PRODUCTION THROUGHPUT AND CYCLE-TIME AT GRID LASER WELDING PROCESS	GRID LASER WELDER 4 MACHINE VISION UPGRADE	INSTALL COMPONENTS FOR AN UPGRADED CAMERA SYSTEM COVERING: -ADDITION OF SECOND CAMERA, NEW LIGHTING, NEW BELLOWS AND MODIFICATION AS REQUIRED FOR MOUNTING THESE ITEMS.	GRID AREA	Components
11026	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.	Upgrade Line 5 BPCS to Honeywell C200 hardware 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.	ADU Line 5	ISA-03 ADU Conversion
11027	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.	Upgrade Line 5 BPCS to Honeywell C200 hardware 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.	ADU Line 5	ISA-03 ADU Conversion

CCF-Number	Justification	Title	Description	Location	ISA ID
11028	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.	Upgrade Line 5 BPCS to Honeywell C200 hardware Phase 3	This is phase 3 of a multiphase project to relocate input and output devices from the existing TDC2000 and GE Line PLC to the Honeywell C200 Controllers.	ADU Line 5	ISA-03 ADU Conversion
11031	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.	Upgrade Line 1 BPCS to Honeywell C200 hardware 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.  An ITR will be performed to evaluate the need for SSC testing.	ADU Line 1	ISA-03 ADU Conversion
11032	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.	Upgrade Line 1 BPCS to Honeywell C200 hardware 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.	ADU Line 1	ISA-03 ADU Conversion

CCF-Number	Justification	Title	Description	Location	ISA ID
11033	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.	Upgrade Line 1 BPCS to Honeywell C200 hardware Phase 3	This is phase 3 of a multiphase project to relocate input and output devices from the existing TDC2000 and GE Line PLC to the Honeywell C200 Controllers.  An ITR will be performed to evaluate the need for SSC testing.	ADU Line 1	ISA-03 ADU Conversion
11036	The Differential Pressure transmitter needs to be wired to the Experion to provide indication and alarm in the ADU control room. This will enable the operators to monitor the differential pressure across the filters and take corrective action as needed.	ADU Line # 1 V-112 tank filter Differential Pressure Transmitter	Wire the Differential Pressure transmitter (installed under a different CCF) for the V-112 tank filters to the ADU Line # 1 Experion Basic Process Control System and provide Differential pressure indication, and audible/visual alarm in the control room.	ADU Line # 1 V-112 tank filters	ISA-03 ADU Conversion
11037	The Differential Pressure transmitter needs to be wired to the Experion to provide indication and alarm in the ADU control room. This will enable the operators to monitor the differential pressure across the filters and take corrective action as needed.	ADU Line # 2- V-212 tank filter Differential Pressure Transmitter	Wire the Differential Pressure transmitters (installed under a different CCF) for the V-212 tank filters to the ADU Line # 2 Experion Basic Process Control System and provide Differential pressure indication, and audible/visual alarm in the control room.	ADU CONVERSION LINE # 2 - V-212 tank filters	ISA-03 ADU Conversion
11038	The Differential Pressure transmitter needs to be wired to the Experion to provide indication and alarm in the ADU control room. This will enable the operators to monitor the differential pressure across the filters and take corrective action as needed.	ADU Line # 3 - V-312 tank Differential Pressure Transmitter	Wire the Differential Pressure transmitters (installed under a different CCF) for the V-312 tank filters to the ADU Line # 3 Experion Basic Process Control System and provide Differential pressure indication, and audible/visual alarm in the control room.	ADU LINE # 3 - V-312 tank filters	ISA-03 ADU Conversion

CCF-Number	Justification	Title	Description	Location	ISA ID
11039	The Differential Pressure transmitter needs to be wired to the Experion to provide indication and alarm in the ADU control room. This will enable the operators to monitor the differential pressure across the filters and take corrective action as needed.	ADU Line # 4 -V-412 tank filter Differential Pressure Transmitter	Wire the Differential Pressure transmitters (installed under a different CCF) for the V-412 tank filters to the ADU Line # 4 Experion Basic Process Control System and provide Differential pressure indication, and audible/visual alarm in the control room.  The Differential Pressure transmitter needs to be wired to the Experion to provide indication and alarm in the ADU control room. This will enable the operators to monitor the differential pressure across the filters and take corrective action as needed.	ADU Line # 4 - V-412 Tank filters	ISA-03 ADU Conversion
11040	The Differential Pressure transmitter needs to be wired to the Experion to provide indication and alarm in the ADU control room. This will enable the operators to monitor the differential pressure across the filters and take corrective action as needed.	ADU Line # 5 - V-512 tank filter Differential Pressure Transmitter	Wire the Differential Pressure transmitters (installed under a different CCF) for the V-512 tank filters to the ADU Line # 5 Experion Basic Process Control System and provide Differential pressure indication, and audible/visual alarm in the control room.	ADU Line # 5 - V-512 Tank filtes	ISA-03 ADU Conversion
11041	The Differential Pressure transmitter needs to be wired to the Experion to provide indication and alarm in the ADU control room. This will enable the operators to monitor the differential pressure across the filters and take corrective action as needed.	Q-Tanks - V116A/216A filters - Differential Pressure Transmitter	Wire the Differential Pressure transmitters (installed under a different CCF) for the Q-Tanks ( for the V116A/116B filters) to the Common services Experion Basic Process Control System and provide Differential pressure indication, and audible/visual ala	Q-Tanks - V116A/216A filters Pressure Transmitter	ISA-03 ADU Conversion

CCF-Number	Justification	Title	Description	Location	ISA ID
11042	The Differential Pressure transmitter needs to be wired to the Experion to provide indication and alarm in the ADU control room. This will enable the operators to monitor the differential pressure across the filters and take corrective action as needed.	Q-Tanks - V116B/216B filters Differential Pressure Transmitter	Wire the Differential Pressure transmitters (installed under a different CCF) for the Q-Tanks (for the V116B/216B filters) to the Common services Experion Basic Process Control System and provide Differential pressure indication, and audible/visual alar	Q-Tanks - V116B/216B filters	ISA-03 ADU Conversion
11043	The Differential Pressure transmitter needs to be wired to the Experion to provide indication and alarm in the ADU control room. This will enable the operators to monitor the differential pressure across the filters and take corrective action as needed.	Q-Tanks - V116C/216C filters Differential Pressure Transmitter	Wire the Differential Pressure transmitters (installed under a different CCF) for the Q-Tanks (for the V116C/216C filters) to the Common services Experion Basic Process Control System and provide Differential pressure indication, and audible/visual alar	Q-Tanks - V116C/216C filters	ISA-03 ADU Conversion
11044	The Experion rack is required for the addition of future I/O and process controls.	Experion rack for the ADU Common Services area	One Honeywell Experion rack will be installed for the Common Services for future I/O.	Q- Tanks	ISA-03 ADU Conversion

CCF-Number	Justification	Title	Description	Location	ISA ID
11046	Currently, there are anti-fatigue mats at the operator stations that are located in the aisleway. Tubing, cookie sheet and pellet carts are moved in this aisleway. Even though the anti-fatigue mats are bolted to the floor the operators can have a difficult time moving the carts over these mats. This flooring comes in both a "hard" version and an anti-fatigue version. This allows the areas where the operator needs to stand to provide an anti-fatigue surface without having a change in elevation for the carts.	Trial Flooring in ADU Rod Area	An area of interlocking floor tiles approx. 14' x 5' will be laid down in front of one of the rod lines in the aisleway between pelleting and the rod lines. The flooring is from Turtle Plastics, see the attached spec. sheet. The tiles will be the clos	Aisleway between Pelleting and ADU Rod Lines	ISA-10 ADU Rods
11047	Existing flow switch has failed and is obsolete.	Sprinkler System Riser Flow Switch Replacement	We will replace riser 33 existing (broken) flow switch with a new flow switch.	Sprinkler System Riser 33 Flow Switch	Miscellaneous
11048	The current end of chamber switch (aka the "t-bar") can introduce issues when not setup correctly. Boat jams can occur if the switch is out of proper adjustment. Pellets and debris often are caught under the switch, hence prohibiting it from operating as designed. The new sensor will be a non-contact type to infer the correct distance via analog output.	Furnace End of Chamber: Sensor Upgrade	<p>Install a new sensor to test the detection of moly boats in the cooling muffle of the adu sintering furnace. Currently, a dual limit switch system is used to detect when a boat is in position to enter the furnace. The new method will employ a light-based sensor to detect the boats.</p> <p>The new sensor will not be hooked up to the control system. It will only be installed for periodic testing to collect baseline data. The original switch will remained intact, unaffected.</p>	ADU Sintering Furnace: 4A	ISA-08 Pelleting

CCF-Number	Justification	Title	Description	Location	ISA ID
11049	Reliability and process improvements	APVIS dual polybelt pellet accumulation area upfit	This CCF requests minor changes to the APVIS dual polybelt pellet accumulation area, to improve pellet flow, polybelt reliability and longevity. Changes proposed will not change the location, form or amount of SNM in the equipment. Scope of work: Rep	IFBA APVIS 1	ISA-08 Pelleting
11050	Reliability and process improvement	APVIS single polybelt pellet gripper area upfit	This CCF requests changes to the APVIS single polybelt pellet gripper area, to improve pellet flow, polybelt reliability and longevity, and to eliminate open slides above the pellet tray loading area. (CAPs Issue). Changes proposed will not change the	IFBA APVIS 1	ISA-12 IFBA Fuel Rod Manufacturing
11051	<p>The current power monitors do not pass a functional test. The do not protect T-1173/1174 mag drive pumps from a run dry condition.</p> <p>The keyed switch can be used to bypass safety interlocks. This capability should not be available.</p>	Upgrade Existing Power Monitors on HF Pumps P-1173/1174	<p>Upgrade existing power monitors on HF Pumps P-1173/1174. Install power monitor model that has been installed in several applications across URRS.</p> <p>Remove keyed momentary switch in pump run logic.</p>	HF Storage Pad	Grounds
11052	provide another isolation point to make it safer for maintenance to work on the hot oil pumps.	install double block and bleed valves @ hot oil	install double block and bleed valves at the hot oil system pumps. Eliminate un-used drain lines and temperature gauges and transmitters	all of the hot oil pumps	ISA-03 ADU Conversion



CCF-Number	Justification	Title	Description	Location	ISA ID
11053	Per CSE-10-A, the Scrap Rod Dump Hood in the ADU rod area shall contain a one-inch high slot. The bottom of this slot shall be located a maximum of two inches from the floor of the hood. Slot width shall be a minimum of 10 inches.	Add slot to dump hood for CSE-10-A	A 1.5" high x 10.5" wide slot will be added to the scrap hood with the bottom of the slot approximately 1.75" from the floor of the hood.	ADU Scrap Hood	ISA-10 ADU Rods
11054	The computer stands take up space and will not provide any function once the new monitors are installed. The obsolete skeleton fixture is occupying floor space needed for storage of tooling and other needed equipment.	Remove Obsolete Equipment from Skeleton Area	<p>There are several computer stands in the skeleton area that are no longer needed. The stands were used with the old style computer monitors to free up table space. These monitors are being replaced with newer monitors and the stands are no longer needed. The stands will be removed.</p> <p>In addition, there is an obsolete skeleton fixture (#5) that was used for making Temelin skeletons. This fixture is no longer used and should be removed.</p>	Column 10/11	Components
11056	The current pendulum controller is difficult for operators to use while raising and lowering the crane of different sides of the casket. A remote will help prevent strains.	Replace dock 7 crane controller	Replace dock 7 crane control device with a remote device instead of the current corded device. No drawing changes are required.	Dock 7 behind line 5 dry room	ISA-12 IFBA Fuel Rod Manufacturing

CCF-Number	Justification	Title	Description	Location	ISA ID
11057	Honeywell UDC controllers are constantly changing as technology advances. Honeywell is our plant standard for stand alone controllers. As new controllers are released they include many new features, such as: auto tune, better displays, Infra-Red Commun	Honeywell UDC Process and Overtemp Controllers Substitution	Honeywell UDC Process and Overtemp Controllers Substitution. This CCF will allow us to add Honeywell Process and Overtemp Controllers to the substitution procedure MCP-202174. See attachment for procedure addition.	Plantwide	Miscellaneous
11060	We use different manufacturers of gauges throughout the plant. This CCF will define "like kind" substitution for gauges.	Pressure Gauge Substitution	This CCF will allow us to add Pressure Gauges to our Substitution procedure MCP-202174	plantwide	Miscellaneous
11063	Parts for future repair of the Instron #3 testing machine (model 5500) have become obsolete and the unit is to be replaced with a new Instron model 5985.	Replacement of Instron #3 in PE Development Lab	<p>The Instron #3 mechanical testing machine (model 5500) in the Product Engineering Development Lab needs to be removed and a newer model (model 5985) installed as a replacement. See arrangement drawing 500F02AR09 sheet 4.</p> <p>We plan to scrap the existing machine after the Instron representative has removed an usable parts for re-use. Footprint of new machine should be very similar. Instron rep to confirm this on pre-removal visit.</p>	Product Engineering Development Lab	ISA-18 Laboratories

CCF-Number	Justification	Title	Description	Location	ISA ID
11064	<p>The existing FCV-406H and FCV-406J valves are currently connected to the PlantTwo PLC which is being replaced. These valves need to be removed to allow operation of the Hydrovent system since they require air to open and air to close.</p> <p>FCV-406P, FCV-406Q, FCV-406K, FCV-406F, FCV-406D, FCV-406G, FCV406E and FCV-406I are currently connected to the PlantTwo PLC which is being replaced. Instrument air lines will be disconnected and capped going to these valves which will result in their failing in the required positions to allow operations.</p>	Replace 4 inch Hydro-vent valves with spools and remove instrument air lines from 406B control valves	4 inch control valves FCV-406H, FCV-406J and associated tees will be replaced with spools. Blinds will be installed on control valves FCV-406P and FCV-406Q. Instrument air lines will be disconnected and capped going to FCV-406P, FCV-406Q, FCV-406K, F	Hydrovent system near Line 5 and V-406B	ISA-03 ADU Conversion
11067	Lighting fixtures are constantly changing especially in regards to energy efficiency. We need to be able to change lighting according to our needs in the plant.	Lighting Fixture Substitution	Substitution of lighting fixtures. This CCF will allow us to add lighting substitution to MCP-202174. See attached file for proposed MCP-202174 addition.	plantwide	Miscellaneous
11068	Current lift pads might miss connecting with the outer rods when the automated lift system is removing the filled rods from the vibratory table. This can allow the partially completed rods to be damaged during the transfer.	ADU Rod Line Lift Pad Replacement	Redesign and replace the current AP1000® extension lift pads on ADU Rod Lines 3 & 4.	CFFF, ADU Pellet Loading Lines 3 & 4	ISA-10 ADU Rods

CCF-Number	Justification	Title	Description	Location	ISA ID
11069	Existing carbon steel panels are rusted out from years of exposure to cooling tower "mist". The RP panel was added several years ago and now feeding from the RP panel is a better option than reinstalling the transformers.	Mechanical Cooling Tower controls Repair / Upgra	During the 2011 shutdown we will be repairing and upgrading the Mechanical Cooling Tower controls. We will be replacing the existing (rusted) panels with stainless steel enclosures. The existing transfer switches will be replaced with a center off A/B 3-	Outside Mechanical Cooling Tower	Miscellaneous
11070	Existing carbon steel panels are rusted out from years of exposure to cooling tower "mist".	Chemical Cooling Tower controls repair/upgrade	During the 2011 shutdown we will be repairing and upgrading the Chemical Cooling Tower controls. We will be replacing the existing (rusted) panels with stainless steel enclosures. The existing transfer switch will be replaced with a center off A/B 3-poll	Outside Chemical Cooling Tower	ISA-06 Chemicals Receipt, Handling and Storage
11071	The existing swing arm is designed to have a face plate mount and not a rear mount. The current rear mount is causing the swing arm to fail posing a safety hazard.	Replace monitor over line 5 loader	Replace the existing back mount monitor with a face mount monitor. There are no drawings to update.	Line 5 dry room at loading table	ISA-12 IFBA Fuel Rod Manufacturing
11072	The camera system is no longer used on the rod line. The excess equipment takes up too much space and could get in the operator's way.	Remove camera equipment from Line 7	Remove all existing video camera equipment above the pellet sweep at IFBA rod line 7. This includes camera, wires, monitors, mounts, etc.	Rod line 7 loading table	ISA-12 IFBA Fuel Rod Manufacturing
11073	The strainer was originally installed to remove large Uranium debris or pellet fragments. The strainer primarily is now a hair and soap catcher from the shower rooms behind the wall. The original purpose for this strainer is no longer applicable. Filt	Remove Strainer FL 1124R from Contaminated Sump Recirculation Line	Remove strainer FL-1124R from Contaminated Sump recirculation line.	Contaminated Sump	Miscellaneous

CCF-Number	Justification	Title	Description	Location	ISA ID
11074	The existing unit has exceeded its life cycle. At present, the unit will not pass the aerosol leak test, therefore the IFBA sandblaster operation is down.	HEPA Filter Housing Replacement on IFBA Sandblaster System	Replace the insubstantial HEPA filter house on the IFBA fixture repair ventilation system. The new filter house, a Flanders / CSC model BG1, is constructed of seam welded 304 SS panels and rated for 10 inches W.G. The filter arrangement, one pre filter and one HEPA filter is identical to the existing system.	IFBA Facility	ISA-14 IFBA Processing
11075	The Bryant electric unit heater is not operable and is obsolete. The Trane electric unit heater is an upgrade and will provide necessary heat for building. Heater is required for cold winter diesel start-ups.	Fire Pump House #1 Heaters Replacement	Replace current 3.3KW Bryant electric unit heater with a Trane(Model# UHEC-033DACA) 3.3KW electric unit heater. Both heaters have similar electrical rating (will be a swap out)	Fire pump House #1	Miscellaneous
11078	Switch from the old 3" carbon steel process water header to the new 4" stainless steel process water header.	Tie-In New Process Water Header for Backup Cooling for ADU Sintering Furnaces	This project will disconnect the existing 3" process water line that supplies backup cooling water for the ADU pellet sintering furnaces. A new 3" section of line will be installed to connect this line back to the new 4" stainless steel process water header.	ADU Conversion Area Scrap Cage	ISA-08 Pelleting
11079	Switch from the old 3" carbon steel process water header to the new 4" stainless steel process water header.	Tie-in New Process Water Header for Make-Up to the V-1009 A/B Vessels	This project will disconnect the existing make-up water line that supplies process water to the V-1009A/B surge tanks for the S-1008 scrubber. The existing 3/4" carbon steel pipe will be replaced with stainless steel pipe and will be connected to the new 4" stainless steel process water header.	ADU Conversion Area Scrap Cage	ISA-01 Plant Ventilation System

CCF-Number	Justification	Title	Description	Location	ISA ID
11080	Switch from the old 3" carbon steel process water header to the new 4" stainless steel process water header.	Tie-In New Process Water Header for Make-Up Water for the S-2A and S-2B Scrubbers	This project will disconnect the existing make-up water line that supplies process water to the S-2A and S-2B scrubbers. The existing 2" galvanized steel line will be connected to the new 4" stainless steel process water header.	ADU Conversion Area Scrap Cage	ISA-01 Plant Ventilation System
11081	This is being completed to collect data on the variability of the oxygen level in the furnace.	Pellet Furnace Dew Point Analyzer	Install a system to pull a gas sample from pellet furnace 4A's entrance off gas purge (muffle). The system consists of a sampling pump, humidity probe, and transmitter which all plug into a receptacle for power. The gas is sampled near the furnace ent	Pellet Furnace 4A	ISA-08 Pelleting
11082	Switch process water supply from the old carbon steel process water header to the new 4" stainless steel process water header. This will allow removal of the old header once all users have been switched to the new header.	Tie-In for New Process Water Header to ADU Conversion Line #1	Install new 2" supply line from the new 4" stainless steel process water header to ADU Conversion Line #1. Disconnect existing line from the old carbon steel process water header. This line supplies backup cooling water for ADU Conversion Line #1.	ADU Conversion Line #1	ISA-03 ADU Conversion
11083	Switch process water supply from the old carbon steel process water header to the new 4" stainless steel process water header. This will allow removal of the old header once all users have been switched to the new header.	Tie-In for New Process Water Header to ADU Conversion Line #2	Install new 2" supply line from the new 4" stainless steel process water header to ADU Conversion Line #2. Disconnect existing line from the old carbon steel process water header. This line supplies backup cooling water for ADU Conversion Line #2.	ADU Conversion Line #2	ISA-03 ADU Conversion

CCF-Number	Justification	Title	Description	Location	ISA ID
11084	Switch process water supply from the old carbon steel process water header to the new 4" stainless steel process water header. This will allow removal of the old header once all users have been switched to the new header.	Tie-In for New Process Water Header to ADU Line #3	Install new 2" supply line from the new 4" stainless steel process water header to ADU Conversion Line #3. Disconnect existing line from the old carbon steel process water header. This line supplies backup cooling water for ADU Conversion Line #3.	ADU Conversion Line #3	ISA-03 ADU Conversion
11085	Switch process water supply from the old carbon steel process water header to the new 4" stainless steel process water header. This will allow removal of the old header once all users have been switched to the new header.	Tie-In for New Process Water Header to ADU Line #4	Install new 2" supply line from the new 4" stainless steel process water header to ADU Conversion Line #4. Disconnect existing line from the old carbon steel process water header. This line supplies backup cooling water for ADU Conversion Line #4.	ADU Conversion Line #4	ISA-03 ADU Conversion
11086	Switch process water supply from the old carbon steel process water header to the new 4" stainless steel process water header. This will allow removal of the old header once all users have been switched to the new header.	Tie-In for New Process Water Header to ADU Line #5	Install new 2" supply line from the new 4" stainless steel process water header to ADU Conversion Line #5. Disconnect existing line from the old carbon steel process water header. This line supplies backup cooling water for ADU Conversion Line #5.	ADU Conversion Line #5	ISA-03 ADU Conversion
11087	Currently there is no heating. It is difficult to maintain equipment and clean press in the winter. Sludge does freeze in certain areas of the process.	Install Heaters in Sludge Dewatering Building	Install two overhead heaters in sludge dewatering building.	Sludge Dewatering Building	Miscellaneous

CCF-Number	Justification	Title	Description	Location	ISA ID
11088	<p>Blend Preparation</p> <ol style="list-style-type: none"> <li>1. Make blend prep compatible with all versions of excel and word.</li> <li>2. Error found while gathering from QC rack.</li> <li>3. ClickOnce is the standard way of launching applications as CFFF.</li> <li>4. Since Blend Preparation is a SS application engineering would like to remove all non-SS transactions from this application.</li> </ol> <p>Bulk Container Verification</p> <ol style="list-style-type: none"> <li>1. An operator noticed that the verification of a bulk container did not expire when the container was consumed, however it did expire after the two hour time limit.</li> </ol> <p>ADU dumphood/Erbia Dumphood</p> <ol style="list-style-type: none"> <li>1. This was a non-value added task. The system requires a valid Redbook number to perform the maint. transaction.</li> </ol> <p>See attached ITR for SSC's that need to be tested during implementation.</p>	Update Blend Prep and Bulk Container Verification	<p>Blend Preparation</p> <ol style="list-style-type: none"> <li>1. Remove explicit references to MS Office to make Blend Preparation independent of the version of MS Office on the client PC.</li> <li>2. Fix bug in the Gather transaction that incorrectly sets the location of the QC rack to NULL when items are gathered off of the rack.</li> <li>3. Move to the ClickOnce deployment strategy for the application rather than the custom launch program that currently exists.</li> <li>4. Remove all process engineering transactions from Blend prep except for "gather" and "move to BM" which are safety significant and place it into a new process engineering application.</li> </ol> <p>Bulk Container Verification</p> <ol style="list-style-type: none"> <li>1. Ensure that the verification of an item expires upon consumption of that item.</li> </ol> <p>ADU dumphood/Erbia Dumphood</p> <ol style="list-style-type: none"> <li>1. Remove entering a valid Redbook</li> </ol>	Blend Preparation and Bulk Container Verification	ISA-05 ADU Bulk Powder Blending



CCF-Number	Justification	Title	Description	Location	ISA ID
11089	<p>Redundant processors are being installed because a failure of this controller would require shutdown of all of the conversion lines.</p> <p>Expansion racks are being installed to support future migration of TDC2000 Distributed Control System Points, PlantOne, PlantTwo, HotOil3 and HotOil4 PLC Points.</p>	Install Redundant Processors and expansion racks for Common Services BPCS	Install a redundant processor for the common services BPCS controller which services all five ADU Conversion lines. The controller is used to control and provide indication for common utilities and equipment for conversion.	ADU Conversion Lines 1 to 5 and UF6 bay	ISA-03 ADU Conversion
11090	<p>The lathe is being replaced due to safety concerns. The current lathes has a manually operated chuck that has caused hand injuries. The new lathe will have a pneumatically operated chuck, and will be of the same design as is successfully used in other locations in the Plant.</p> <p>Testing prior to startup will not require the use of SNM. Dummy lead filled rods will be used.</p> <p>The interior of the hood will be cleaned and inspected by HP prior to the start of work within the hood.</p> <p>The Functional Requirements Specification (FRS) is attached in PSEDoc0000370.</p> <p>The test plan is attached.</p>	Line 5 Rod Repair Lathe Replacement	Replace the lathe and add electrical and pneumatic controls for the lathe on the Rod Line 5 Rod Repair Station.	IFBA (ERBIA) Rod Line 5	ISA-12 IFBA Fuel Rod Manufacturing

CCF-Number	Justification	Title	Description	Location	ISA ID
11091	<p>The lathe is being replaced due to safety concerns. The current lathe has a manually operated chuck, the new lathe will have a pneumatically operated chuck.</p> <p>Testing prior to startup will not require the use of SNM. Testing will take place using empty tubes. The tubes will be re-plugged at this station.</p> <p>The interior of the hood will be cleaned and inspected by HP prior to the start of work in the hood.</p> <p>The Functional Requirements Specification (FRS) is attached in PSEDoc0000371.</p> <p>The Test Plan is attached.</p>	IFBA Rod Repair Lathe Replacement	Replace the Lathe on the IFBA Line 7 Rod Repair Station. New upgraded electrical and pneumatic controls will also be installed. These controls will operate both the Lathe and the existing plugger at this station.	IFBA Rod Line 7 Rod Repair Station	ISA-12 IFBA Fuel Rod Manufacturing
11092	<p>IFBA Line 7 Rod Repair Station operator panel, pneumatic and electrical controls are going to be removed from the Rod Line 7 PLC.</p> <p>A new stand alone control system will be installed under CCF 11091. This will include a new and simpler HMI for the Rod Repair Station.</p> <p>After the work is completed, the walking beam on Rod Line 7, will be tested for proper operation.</p>	IFBA Rod Repair Lathe electrical demolition	Remove the operator interface from the IFBA Rod Line Rod Repair Station that is wired into the Rod Line PLC.	IFBA Rod Line 7	ISA-12 IFBA Fuel Rod Manufacturing

CCF-Number	Justification	Title	Description	Location	ISA ID
11095	Safety issue. When operators are trying to remove trays, they currently have to push following trays backwards against the rollers. This presents possible lower back issues and have been identified by Ops. Lines 1-5 already have a end of line limit sw	Pellet Line 6 Tray Conv. Full Limit Switch	We will install a limit switch to the end of line 6 tray conveyor. The switch will provide a conveyor run permissive to have it stop when the the conv. is filled with pellet trays.	Pellet Line 6 Tray Conv	ISA-08 Pelleting
11096	Replace existing monitor as it is not working.	Replacement of Monitor in D&V Table 2 Side A	Replacement of monitor at D&V Table 2 Side A. Remove box that the existing monitor was in and bolt the replacement monitor to the shelf above the table for stability.	D&V Rod Inspection Table 2 Side A	ISA-10 ADU Rods
11097	The existing tank represents a potential safety hazard. Deformation on the shell is taking place that can potentially induce to cracking.	ADU Conversion Line 4 Scrubber Tank Replacement	To install new calciner off gas scrubber tank on ADU Conversion Line 4. The tank is made to existing specifications. There is one exception: the addition of leg extensions on the bottom and addition of caster rollers as per ADU Conversion scrubbers per	ADU Conversion Line 4	ISA-03 ADU Conversion
11098	This bracket will protect the water lines on the cathode ground shield from contact with a fixture being removed/dropped from the coater drum during a fixture change.	Cathode 2 water line bracket	Install a bracket on cathode 2 in each coater that is 4.00" wide x 5.00" high x 2.50" deep made of 304 SST with a 0.385" hole to be held in place by the same pin that holds cathode 2 drawer in place.	IFBA, FA1, all Coaters	ISA-14 IFBA Processing

CCF-Number	Justification	Title	Description	Location	ISA ID
11099	A channel lift is needed in order to lift the new heavier stainless steel channels for AP1000®. The new channels are too heavy for an operator to lift/move safely.	Portable Lift for Empty Rod Channels (AP1000®)	<p>Currently most of our rod channels are rhino-lined aluminum. These aluminum channels weigh about 75 lbs. The aluminum channels are not long enough for AP1000® rods, so new channels are needed. The new AP1000® channels are stainless steel, are longer, and weigh more, about 120 lbs each.</p> <p>When full channels are placed onto a channel cart by the crab lift, the height position for the channel is set to the "high" position, needed to align with fuel rod magazines in Final Assembly.</p> <p>After the channels are empty and returned to the rod area (D&amp;V), the height position for the channel cart needs to be in the "low" position.</p> <p>Currently the operators get a 2nd cart that has no channel on it, and lower it to the "low" position. Next they move the 2nd cart next to the cart with a channel in the "high" position, and</p>	CFFF- Rod Storage - QC D&V	ISA-17 Final Assembly
11106	The new strainers and suction piping modifications will improve the flow of ADU waste effluent from the Q-Tanks to the pumps and should reduce pump cavitation and pump seal failures.	Install New Q-Tank Discharge Nozzle Insert Strainer on V-116A and Modify Suction Piping	Remove existing discharge nozzle insert strainer on Q-Tank V-116A and install new strainer designed and built under CCF # 10716. Modify suction piping on V-116A to allow for installation of new strainer.	Q-Tank V-116A in the ADU Conversion Area	ISA-03 ADU Conversion

CCF-Number	Justification	Title	Description	Location	ISA ID
11107	The new strainers and suction piping modifications will improve the flow of ADU waste effluent from the Q-Tanks to the pumps and should reduce pump cavitation and pump seal failures.	Install New Q-Tank Discharge Nozzle Insert Strainer on V-116B and Modify Suction Piping	Remove existing discharge nozzle insert strainer on Q-Tank V-116B and install new strainer designed and built under CCF # 10716. Modify suction piping on V-116B to allow for installation of new strainer.	Q-Tank V-116B in the ADU Conversion Area	ISA-03 ADU Conversion
11108	The new strainers and suction piping modifications will improve the flow of ADU waste effluent from the Q-Tanks to the pumps and should reduce pump cavitation and pump seal failures.	Install New Q-Tank Discharge Nozzle Insert Strainer on V-116C and Modify Suction Piping	Remove existing discharge nozzle insert strainer on Q-Tank V-116C and install new strainer designed and built under CCF # 10716. Modify suction piping on V-116C to allow for installation of new strainer.	Q-Tank V-116C in the ADU Conversion Area	ISA-03 ADU Conversion
11110	Existing valve FCV-502D is connected to the PLC that is being removed. The valve is being replaced with a manual valve to allow lockout of the ventilation to the column.  FCV-502G, FCV-502E and FCV-502F associated with V-502 are currently connected to the PlantTwo PLC which is being replaced. Instrument air lines will be disconnected and capped going to these valves which will result in their failing in the required positions to allow operations.  No SSCs are involved with the existing valves.	Line 5 Hydrovent Modifications	Replace automatic valve that has been abandon in place with manual valve to allow lockout of V-502.  Instrument air lines will be disconnected and capped going to control valves FCV-502G, FCV-502E and FCV-502F associated with V-502.	Line 5 above V-502	ISA-03 ADU Conversion

CCF-Number	Justification	Title	Description	Location	ISA ID
11111	<p>Existing valve FCV-102D is connected to the PLC that is being removed. The valve is being replaced with a manual valve to allow lockout of the ventilation to the column.</p> <p>FCV-102G, FCV-102E and FCV-102F associated with V-102 are currently connected to the PlantTwo PLC which is being replaced. Instrument air lines will be disconnected and capped going to these valves which will result in their failing in the required positions to allow operations.</p> <p>No SSCs are involved with the existing valves.</p>	Line 1 Hydrovent Modifications	<p>Replace automatic valve FCV-102D that has been abandoned in place with manual valve to allow lockout of V-102.</p> <p>Instrument air lines will be disconnected and capped going to control valves FCV-102G, FCV-102E and FCV-102F associated with V-102.</p>	Line 1 above V-102	ISA-03 ADU Conversion

CCF-Number	Justification	Title	Description	Location	ISA ID
11112	<p>Existing valve FCV-202D is connected to the PLC that is being removed. The valve is being replaced with a manual valve to allow lockout of the ventilation to the column.</p> <p>FCV-202G, FCV-202E and FCV-202F associated with V-202 are currently connected to the PlantTwo PLC which is being replaced. Instrument air lines will be disconnected and capped going to these valves which will result in their failing in the required positions to allow operations.</p> <p>No SSCs are involved with the existing valves.</p>	Line 2 Hydrovent Modifications	<p>Replace automatic valve FCV-202D that has been abandoned in place with manual valve to allow lockout of V-202.</p> <p>Instrument air lines will be disconnected and capped going to control valves FCV-202G, FCV-202E and FCV-202F associated with V-202.</p>	Line 2 above V-202	ISA-03 ADU Conversion

CCF-Number	Justification	Title	Description	Location	ISA ID
11113	<p>Existing valve FCV-302D is connected to the PLC that is being removed. The valve is being replaced with a manual valve to allow lockout of the ventilation to the column.</p> <p>FCV-302G, FCV-302E and FCV-302F associated with V-302 are currently connected to the PlantTwo PLC which is being replaced. Instrument air lines will be disconnected and capped going to these valves which will result in their failing in the required positions to allow operations.</p> <p>No SSCs are involved with the existing valves.</p>	Line 3 Hydrovent Modifications	<p>Replace automatic valve FCV-302D that has been abandoned in place with manual valve to allow lockout of V-302.</p> <p>Instrument air lines will be disconnected and capped going to control valves FCV-302G, FCV-302E and FCV-302F associated with V-302.</p>	Line 3 above V-302	ISA-03 ADU Conversion



CCF-Number	Justification	Title	Description	Location	ISA ID
11114	<p>Existing valve FCV-402D is connected to the PLC that is being removed. The valve is being replaced with a manual valve to allow lockout of the ventilation to the column.</p> <p>FCV-402G, FCV-402E, FCV-402F, FCV-406L, FCV-406M associated with V-402 are currently connected to the PlantTwo PLC which is being replaced. Instrument air lines will be disconnected and capped going to these valves which will result in their failing in the required positions to allow operations.</p> <p>No SSCs are involved with the existing valves.</p>	Line 4 Hydrovent Modifications	<p>Replace automatic valve FCV-402D that has been abandoned in place with manual valve to allow lockout of V-402.</p> <p>Instrument air lines will be disconnected and capped going to control valves FCV-402G, FCV-402E, FCV-402F, FCV-406L, FCV-406M associated with V-402.</p>	Line 4 above V-402	ISA-03 ADU Conversion
11115	<p>Existing Hydrovent control valves are connected to a PLC that is being removed. Isolation valves for instrument air supply to the control valves are required to allow lockout during activities to inactivate these valves.</p> <p>No SSCs are involved with installing isolation valves for instrument air supplying the Hydrovent control valves.</p>	Install Hydrovent Instrument air isolation valves	Install Hydrovent Instrument air isolation valves that supply air to control valves for this system.	Hydrovent system	ISA-03 ADU Conversion

CCF-Number	Justification	Title	Description	Location	ISA ID
11116	To reduce piping failure caused by vibration.	Installation of surge suppressor	Reduce pipe vibration caused by air diaphragm pump on the cylinder external wash process: 1. Install a surge suppressor on the pump discharge. 2. Install flexible connections on the suction and discharge of the pump.	UF6 Cylinder Cleaning and Survey	ISA-09 UF6 Cylinder Wash
11117	Unit had been abandoned for some time, operations manager requested removal via CAPs issue.	Remove Final Assembly Conductivity Meter	Remove abandoned conductivity meter (CI-WT1) in final assembly Wash Tank #1.	Final Assembly Wash Tank #1	ISA-17 Final Assembly
11118	Implement recommendation from PHA (Item #18) to minimize the amount of combustible oil that can leak upon a loss of containment incident.	Installation of Hot Oil Systems 3 & 4 Actuated Shutoff Valves	Install a shutoff valve on each system's supply and return hot oil piping at locations outside the hot oil room (4 valves total). Actuation of these valves will be via the System #3 and System #4 E-stop buttons (SSC # ADUHOS-407) located in the Conversion Control Room and will fail safe on loss of power. Only System #4 will be set to shut off under this CCF. System #3 will be set to shut off in a future CCF at the same time the Hot Oil System #3 electrical system is updated.	Outside Hot Oil Room	ISA-03 ADU Conversion
11119	Required to implement CATPR from Root Cause Analysis regarding hot oil motorized breaker failure;RCA-10-120-C004.03 Addition of Contactor (see PRF-100422).	Demolition/Removal of Hot Oil System #4 Electrical Panel	Disconnect and remove the Hot Oil System #4 electrical enclosure containing motor-operated circuit breaker. This panel supplies power to the Hot Oil System #4 control panel. Removal is required to allow installation of a new Hot Oil System #4 contactor	Hot Oil Room Systems 3 & 4	ISA-03 ADU Conversion

CCF-Number	Justification	Title	Description	Location	ISA ID
11120	Implement CATPR from Root Cause Analysis 10-120-C004.03 regarding motorized breaker failure (see PRF-1000422) and the Project Change Notice per PSEDoc#0000383	Installation of Hot Oil System #4 Electrical Panel	Install a new electrical enclosure to supply power to the Hot Oil System #4 control panel in place of the removed motor-operated breaker switch from CCF #11119. Install a new circuit breaker, motor starters and contactor to be de-energized by the E-sto	Hot Oil Room	ISA-03 ADU Conversion
11122	Old system obsolete, increased capacity needed.	Grid Component Wash Tank (Hermie) Replacement	Replacing existing wash tank system with new design.	CFFF, Zirc Grid Cleaning and Annealing Room	Components
11125	The T-9 tank is being converted into an aqueous ammonia storage tank and the conservation vent will be tied into the T-47 vent tank.	T-47 Nozzle Addition	Add a 2" nozzle to the top of the T-47 vent tank to be used for the future T-9 aqueous ammonia storage tank vent line.	URRS Tank Farm	ISA-15 URRS Wastewater Treatment System
11127	We have had repeated incidences of the crane trolley "hitting" the ladder.	Inhibit UF6 Bay Crane to prevent running into Equipment	Add "Flag switches" to prevent the UF6 Bay Crane from running into Equipment.	UF6 Bay Crane which is used for moving the UF6 Cylinders	Miscellaneous
11129	Current shower piping is leaking and deteriorated from the corrosive environment it is located in. All stainless steel material will make eyewash/shower more reliable.	Replacement of UNH Pad Safety Eyewash/Shower	Replace old style carbon steel piping Eyewash/Shower with an Encon all stainless steel Eyewash/Shower.	UNH Storage Pad	ISA-02 Uranyl Nitrite Bulk Storage Tanks
11130	Allow additional points to be added to the Common Services BPCS. Make it easier to maintain the Common Services BPCS.	Convert Common Services Roof Expansion Rack from Profibus to Control Net	Convert existing Common Services Roof Expansion Rack from Profibus to Control Net.	ADU Room	ISA-03 ADU Conversion

CCF-Number	Justification	Title	Description	Location	ISA ID
11133	The existing TDC2000 is obsolete and must be replaced to maintain the ability to produce powder in the conversion area. The non-safety NumaLogic PlantOne and PlantTwo PLC functions will be migrated to the Honeywell C200 so that all process control is be	Upgrade CS BPCS to Honeywell C200 hardware Phase 1	This is phase 1 of a multiphase project to relocate input and output devices from the existing TDC2000 and NumaLogic PlantOne and PlantTwo PLCs to the Honeywell C200 Controllers.	ADU Conversion	ISA-03 ADU Conversion
11135	One of the ways to achieve a lower load is to reduce the volume of water moved by the pump. We want to reduce the impeller size to 7" (see attachment 2) The pump curve shows a lower kw and hp requirement. It will reduce the pressure head from 270 ft to 210 ft. This is ideal for us because we feel we are generating excessive pressure and caused vibration that contributed to piping failure. It seems that we should still have adequate pressure to push the liquid to waterglass storage.	P-116B impeller diameter reduction	Data taken on Q tank P-116B pump is pulling 12-13 amps (see attachment 1). The pump motor is rated at 11.4 amps. The pump is 1 x 1.5-8 with an 8" full impeller. Therefore we need to reduce the load of the pump. The overload actually tripped the motor out a few weeks ago.	Conversion Q tank V-116B	ISA-03 ADU Conversion
11136	This is required as part of the upgrade of the Basic Process Control System in ADU Conversion Line 1.  This CCF is similar to CCF 10-799.	Add line E-Stop indication into BPCS For Line 1	Connect Line E-Stop into Basic Process Control System (Honeywell C200) for ADU Line 1. This will allow the BPCS to transition properly after an E-Stop occurs.  Install additional I/O cards and relays to support future expansion.	ADU Line 1	ISA-03 ADU Conversion

CCF-Number	Justification	Title	Description	Location	ISA ID
11137	To permit the ability to run RCCA tubes on the Thimble Tube Line	Thimble Tube Modifications for RCCA Tubes	Modify the Thimble Tube Plugger to allow use of two different sets of pressures for Clamping and Plugging Tubes	Mechanical Side near Tool Room	Components
11138	This will help the areas gauge when the drums are full without removing the lid. The drum lid is required to be secured at all times since waste acetone is a flammable hazardous waste that must comply with strict EPA/DHEC regulations.	Install Local Level Indication on Waste Acetone Drums	Install Local Level Indication on Waste Acetone Drums.	Line 9 Fuel Tube Fabrication	ISA-15 URRS Wastewater Treatment System
11139	This will help the areas gauge when the drums are full without removing the lid. The drum lid is required to be secured at all times since waste acetone is a flammable hazardous waste that must comply with strict EPA/DHEC regulations.	Install Local Level Indication on Waste Acetone Drums	Install Local Level Indication on Waste Acetone Drums	Non Fuel	Miscellaneous
11140	Hazardous waste satellite areas must be located near the point of generation and in control by the process that generates the waste per DHEC/EPA regulations.	New Waste Acetone Satellite Area in Non Fuel	Locate a new waste acetone satellite area in Non Fuel.	Non Fuel	Miscellaneous
11141	Hazardous waste satellite areas must be located near the point of generation and in control by the process that generates the waste per DHEC/EPA regulations.  The current location for this satellite location is next to the men's bathroom across from the maintenance cage	New Waste Acetone Satellite Area in Rod Weigh 1 & 2	Relocate the Waste Acetone Satellite Area to Rod Weigh 1 & 2	Rod Weigh 1 & 2	Miscellaneous

CCF-Number	Justification	Title	Description	Location	ISA ID
11143	The current supports do not adequately restrain the rod throughout the end plug repair process. This can results in tube damage which requires additional inspection time and scrapped rods.	Line 5, Pop-Up Roller Supports (Rod Handling)	Install new actuated roller supports for the repair lathe station.	CFFF, IFBA, Rod Fabrication	ISA-12 IFBA Fuel Rod Manufacturing
11144	The AP1000® channels are longer and cause the operator to lean over the channel to reach the cart handles.	Extend Rod Storage cart handles to account for AP1000® channels	Make longer handles for rod channel carts	Rod Storage	ISA-10 ADU Rods
11147	A spool piece was installed when the electric dryer was removed due to instrument delivery issues, with plans to install during a cycle.	Conversion Line 5 Hot Oil Flow Meter Installation	Remove Hot Oil spool piece and replace with the Hot Oil Flow Meter. Install the Flow Meter wiring to the BPCS.	Dryer	ISA-03 ADU Conversion
11148	The existing BPCS level transmitter is not very accurate. The level transmitter needs to be changed to a Differential Pressure Level Transmitter to improve accuracy.  There are no SSC impacts since this CCF installs but does not activate the new level transmitter.	Install new Level Transmitter on T-1039	Install new BPCS Level Transmitter on T-1039.  This CCF is for mechanical installation only.  This devices will be activated under another CCF.	Tank T-1039	ISA-02 Uranyl Nitrite Bulk Storage Tanks
11149	The existing BPCS level transmitter is not very accurate. Change transmitter to a Differential Pressure Level Transmitter to improve accuracy.  CCF is similar to CCF 11-148.	Install new Level Transmitter on T-1040	Install new BPCS Level Transmitter on T-1040.  This CCF is for mechanical installation only.  These devices will be activated under another CCF.	Tank T-1040	ISA-02 Uranyl Nitrite Bulk Storage Tanks

CCF-Number	Justification	Title	Description	Location	ISA ID
11150	<p>The existing BPCS level transmitter is not very accurate. Change transmitter to a Differential Pressure Level Transmitter to improve accuracy.</p> <p>CCF is similar to CCF 11-148.</p> <p>There are no SSC impacts since this CCF installs but does not activate the new level transmitter.</p>	Install new Level Transmitter on T-1041	<p>Install new BPCS Level Transmitter on T-1041.</p> <p>This CCF is for mechanical installation only.</p> <p>This devices will be activated under another CCF.</p>	Tank T-1041	ISA-02 Uranyl Nitrite Bulk Storage Tanks
11151	<p>The existing BPCS level transmitter is not very accurate. Change transmitter to a Differential Pressure Level Transmitter to improve accuracy.</p> <p>CCF is similar to CCF 11-148.</p> <p>There are no SSC impacts since this CCF installs but does not activate the new level transmitter.</p>	Install new Level Transmitter on T-1042	<p>Install new BPCS Level Transmitter on T-1042.</p> <p>This CCF is for mechanical installation only.</p> <p>These devices will be activated under another CCF.</p>	Tank T-1042	ISA-02 Uranyl Nitrite Bulk Storage Tanks
11152	<p>The existing BPCS level transmitter is not very accurate. Change transmitter to a Differential Pressure Level Transmitter to improve accuracy.</p> <p>CCF is similar to CCF 11-148.</p> <p>There are no SSC impacts since this CCF installs but does not activate the new level transmitter.</p>	Install new Level Transmitter on T-1043	<p>Install new BPCS Level Transmitter on T-1043.</p> <p>This CCF is for mechanical installation only.</p> <p>These devices will be activated under another CCF.</p>	Tank T-1043	ISA-02 Uranyl Nitrite Bulk Storage Tanks

CCF-Number	Justification	Title	Description	Location	ISA ID
11153	<p>The existing BPCS level transmitter is not very accurate. Change transmitter to a Differential Pressure Level Transmitter to improve accuracy.</p> <p>CCF is similar to CCF 11-148.</p> <p>There are no SSC impacts since this CCF installs but does not activate the new level transmitter.</p>	Install new Level Transmitter on T-1045	<p>Install new BPCS Level Transmitter on T-1045.</p> <p>This CCF is for mechanical installation only.</p> <p>These devices will be activated under another CCF.</p>	Tank T-1045	ISA-02 Uranyl Nitrite Bulk Storage Tanks
11154	Change is being made to improve flow and storage in the area. Only work flow and product storage are affected.	Modify Storage in Zirc Strap Area	Modify area storage by adding new shelving and removing the computer workstation. See attached construction drawing 500F04AR57-11154,01,rC1.	Floor storage area for Zirconium based straps (Zirc Strap Market)	Components
11155	This safety shower is located inside the hazardous waste pad. It is only a drench hose. It does not meet the URRS standads. The new unit will be an electric heated safety shower/eye wash combo.	Replace Existing Safety Shower (1-38)in Hazardous Waste Pad	Replace Existing Safety Shower (1-38)in Hazardous Waste Pad	Hazardous Waste Pad	Miscellaneous
11156	This modification will enlarge the covered area for hazardous waste drums.	Replace Existing Canopy in Hazardous Waste Pad	Replace Existing Canopy in Hazardous Waste Pad	Hazardous Waste Pad	ISA-15 URRS Wastewater Treatment System
11157	The current location of PE-6067A19 will interfere with the installation of the Coater Cathode Disconnect fixture.	Relocate Capacitance Manometer PE-6067A19	Relocate PE-6067A19 16 to 18 inches west of its current location. The Mounting plate will be replaced with a wider mounting plate to avoid contact with coater cooling water piping.	IFBA Coater 2	ISA-14 IFBA Processing



CCF-Number	Justification	Title	Description	Location	ISA ID
11158	The hose reel extends the reach of the breathing air for jobs near the standpipe.	Install hose reel for breathing air in scrap cage	Install hose reel for breathing air in scrap cage. The tap that will be utilized is next to the sorting hood.	Breathing air tap next to sorting hood in scrap cage	ISA-11 Scrap Uranium Processing
11159	Assist truck drivers so that they can more easily determine that platform is fully retracted.	Install LR-230 platform retracted status light	Add light to LR-230 platform indicating that platform is fully retracted.	LR-230 unload pad	ISA-02 Uranyl Nitrite Bulk Storage Tanks
11160	To resolve CAP 09-247-C015-02.	Rehabilitate Process Manhole	Restore structural integrity to the Process manhole, located in the road, in front of #1 Still Cooling Tower. This project will consist of the following: 1) Remove existing drop structure. 2) Stabilize manhole structure and restore proper shape to bottom, walls and corbel sections. 3) Apply calcium aluminate mortar to complete manhole interior, restoring structural integrity. 4) Install new inside drop bowl structure. 5) Apply two hundred fifty (250) mill epoxy coating to the entire manhole interior.	Plant Grounds	Miscellaneous
11161	Required to accomodate the new was tank installation (CCF 11122).	Sink Replacement in Zirc Strap Cleaning Room	The sink in the Zirc cleaning room is being replaced with a new stainless steel sink. Additionally it will be moved approximately a foot to accomodate the new wash tank installation (under CCF 11122).	CFFF, Zir Grid Cleaning and Annealing Room	Components
11163	The current set-up allows for two cylinders to electronically be moved to the same vaporizer.	COLUMN Transaction Update	Modify COLUMN to electronically allow one cylinder per vaporizer.	C.O.L.U.M.N. Software	ISA-03 ADU Conversion

CCF-Number	Justification	Title	Description	Location	ISA ID
11164	These platform ladders will eliminate using extension ladders for roof ventilation duct inspections.	Platform Ladders on the Chemical Area Roof	<p>During the June 09 campaign, access doors were added to many horizontal runs of ventilation ducts on the Chemical Area Roof. These access doors are used to perform quarterly duct inspections. Some of these doors are 15 feet above the roof and the only way to access them is by using an extension ladder.</p> <p>This CCF will allow platform ladders to be positioned at the following locations:</p> <ol style="list-style-type: none"> <li>1) S-1030 access door VP-32</li> <li>2) S- 958 access door VP-41</li> <li>3) FL-9166 access door VP-30</li> <li>4) FL-9405 access door VP-07</li> <li>5) FL-9405 access door VP-29</li> </ol> <p>These OSHA approved platform ladders, rated at 450 lb capacity, are equipped with handrails and toeboards.</p>	Plant Roof, Chemical Area	Miscellaneous
11168	Ad-hoc stowage of the vacuum cleaner wand and pellet scrap containers results in lost productivity, trip hazard when the hose falls on the floor, and an occasional upset of the pellet container due to an insecure storage location. Also, the tool box is "balanced" on the frame under the cabinet and needs to be placed on a shelf. Inverted pellet trays have been used at the Hood, which is not an approved use for pellet trays.	APVIS Minor Operator Requested Changes	Addition of devices to APVIS in IFBA to improve operator effectiveness and safety. 1. Provide a welded fitting for stowage of vacuum cleaner wand near operator work station. 2. Provide an open-bottom device for holding pellet scrap containers near o	At IFBA APVIS 01 and below Hood at APVIS 1	ISA-12 IFBA Fuel Rod Manufacturing

CCF-Number	Justification	Title	Description	Location	ISA ID
11169	<p>1. Standardization with Nanmac thermocouples used on 1A-C, 2A, 2C, 3A, 5A &amp; 5B furnaces. These thermocouples are identical except for length. The A12A-Q5611 is 68 in. long, and the A12A-3-48-C-DPX-10HF is 48 in. long.</p> <p>No electrical changes are required.</p> <p>SSC's affected: Zone 2 - PELSINT-903, 904, 905, &amp; 908; Zone 1 &amp; 3 PELSINT-914</p> <p>Changes similar to CCF 10044, Part 7.</p> <p>2. Purges not used.</p> <p>Changes similar to CCF 10044, Part 8</p> <p>No SSC's affected.</p> <p>3. Proper fit in packing gland. Size recommended by furnace OEM(Lindberg). Except for size, material used is identical to S/R # 51055(SEPCO - Sealing Equipment</p>	4A Furnace Thermocouple and Piping Modification	<p>1. Change 4A furnace "hot" zone thermocouples from Nanmac A12A-Q5611 to Nanmac A12A-3-48-C-DPX-10HF.</p> <p>2. Remove Maintenance Purge and Radiation Pyrometer Sight Port flow meters and associated piping.</p> <p>3. Change size of sight port tube packing from 1/2" to 3/8".</p>	ADU Pelleting \ 4A Sintering Furnace	ISA-08 Pelleting

CCF-Number	Justification	Title	Description	Location	ISA ID
11172	New wheels need to be established and a mechanism to keep the hinge closed needs to be incorporated.	PolyCart (Hudmo) Wheel Change and Pin to keep door closed.	<p>The wheels that are currently on the cart are 3" in diameter and tend to get caught in the divots in the floor. This CCF is to try four and five inch diameter wheels with varying material of construction and width. The dimension from the floor to the bottom polypak will increase 1" to 2" depending on the height of the wheel trial wheel. A follow up drawing will be attached to this CCF when a new wheel is established.</p> <p>Also, This CCF will incorporate a pin to slide over the closed doors to keep the doors closed during transport. The pin will be tethered on and added to the final drawing date if it works as designed.</p>	Chemical Manufacturing	ISA-16 Nclear Material Storage
11174	The rack is being moved to make room for an electrical panel. The SSC for the rack is STORRACK-106.	Remove Conversion Line 2's Off-spec Rack	Remove the off-spec rack from the back of line 2. Line 1's off-spec rack will be utilized to hold material from both lines 1 and 2. No modification will be made to line 1's off-spec rack, the change will be administrative only. The off-spec rack from	Line 2 back end in front of the Q-tanks	ISA-16 Nclear Material Storage
11176	EPDM has better mechanical properties and compatible chemical properties in this application. This lowers the cost of the sleeves, improves delivery, and will hopefully lead to longer service life.	Change incinerator pinch valve sleeves to EPDM	Change incinerator pinch valve sleeves from Viton to EPDM.	Incinerator	ISA-13 Low Level Radioactive Waste Processing

CCF-Number	Justification	Title	Description	Location	ISA ID
11178	The existing trolleys are worn out and the hoist manufacturer has made design changes. The replacement trolleys will be installed by our lift and hoist contractor and load tested following the installation. The original manual and parts documentation can be found under "attachments".	Replace trolleys on UF6 Bay Hoist	This CCF will allow replacement of the plain trolley and the motorized geared trolley on the UF6 Bay hoist with new designed units from the OEM. An electric motor brake will be installed but not wired with this install. Another CCF at a later date will be generated to connect the electric brake.  PM-20633 will document the load test following the trolley replacement.	Chemical Area / Conversion / UF6 Bay	ISA-03 ADU Conversion
11179	Currently the only way to monitor the transmitter is to connect a computer to the device. This would allow us to monitor some values and configuration from the local display.	Vaisala Moisture Transmitter with Local Indicator	This CCF will allow us to change the storeroom setup sheet for MAPCON #986010. The change in part number will allow us to purchase and use the transmitter with a local indication. The transmitter is the same except for the local display.	Storeroom parts	Miscellaneous
11182	Currently whenever the brigade is conducting training at night, they have use a generator and several pod lights scattered about. This installation will reduce a number a of drop cords, eliminate pod lights, and provide convenience.	Emergency Response Proving Grounds Area Lighting	We will be adding lights to the Emergency Response Proving Grounds. 5 Wallpack lights will be added to the outside of Butler Buildg's North Wall evenly spaced on a dedicated ckt. Convenience outlets (gfcı type in wether proof boxes) will also be added	Brigade Proving Grounds	Grounds

CCF-Number	Justification	Title	Description	Location	ISA ID
11184	The 3X5 mesh is no longer available. Washington Mills confirms the thermal/electrical property differences are negligible i.e. the 4X6 and 4X10 mesh bubbles can be substituted for the 3X5 mesh bubbles. The specification on the Duralum AB is attached.	Alumina Bubbles Substitution.	Allow the use of Washington Mills Duralum AB 4X6 mesh or 4X10 mesh alumina(AL <sub>2</sub> O <sub>3</sub> ) grain(bubbles) for insulation primarily around the element legs coming thru the bottom of the Pellet Area sintering furnaces(see attached marked-up Lindberg drawing for lo	ADU Pelleting / Sintering Furnaces	ISA-08 Pelleting
11185	The announcements cannot be heard behind IFBA and the "laydown" area next to Greg's Construction shop. There are no outdoor speakers in this area. The addition of these speakers will increase the safety of personnel in these areas.	Greg's Construction Outside Area Fire Alarm Spkrs	Add two fire alarm speakers outside of Greg's Construction Fabrication shop to cover the storage area and the back door area of IFBA. To see the ITR, please see the attached PSEdoc0000395.	Outside of Greg's Construction shop	Miscellaneous

CCF-Number	Justification	Title	Description	Location	ISA ID
11187	<p>1. Improve/Correct journal end design.</p> <p>A. Radii added at shoulder transitions to alleviate stress concentrations.</p> <p>B. Keyway length reduced to prevent break-out into thread relief.</p> <p>C. Current drawing shows no thread relief as per OEM(Tote Systems) drawing(see attached file).</p> <p>D. Diameter tolerances defined per screw manufacturer's(Tote Systems and R.W. Raddatz) criteria.</p> <p>E. Incorrect thread size called out.</p> <p>2. To ensure clearance between Item 108 and the radius added at the ball screw thread to shoulder transition.</p> <p>3. Warner Linear no longer manufactures this type ball screw.</p> <p>Note: These changes are associated with the ball screw failure documented per CAPS Issue # 10-343-C013.</p>	Tumble Blender Ball Screw Modification	<p>Update Item 100 Ball Screw journal end design per 348F03EQ57, Sht 09 For Construction drawing:</p> <p>A. Radii added at shoulder transitions.</p> <p>B. 5/16 in. keyway length shortened.</p> <p>C. Thread relief defined.</p> <p>D. Journal end diameter tolerances redefined.</p> <p>E. Thread size corrected.</p> <p>2. Update Item 108(Detail 25) Collar interior chamfer tolerance criteria per 348F03EQ57, Sht 09 For Construction drawing.</p> <p>3. Change Ball Screw manufacturer and part numbers from Warner Linear to Thomson.</p>	ADU Bulk Blending \ Tumble Blender	ISA-05 ADU Bulk Powder Blending
11188	The Rod Line 7 Rod Repair Lathe, although separate from Rod Line 7, it currently shares the same LOTO devices as Rod Line 7. This effort will allow the Rod Repair Lathe to be locked out independently of Rod Line 7, thereby allowing maintenance activities	IFBA Rod Repair Lathe LOTO installation	Install lock-out-tag-out (LOTO) devices for the electrical and plant air on Rod Line 7 Rod Repair Lathe.	IFBA Rod Repair Lathe	ISA-12 IFBA Fuel Rod Manufacturing

CCF-Number	Justification	Title	Description	Location	ISA ID
11189	The current practice of moving barrels of acid is unsafe and poses daily risks to operators. placing the acid in a shed outside will minimize operator danger during this operation.	Tote container for IFBA sulfuric acid	Add a tote container (shed) to store one tote (~250 gallons) outside for use in the IFBA scrap area. The shed will be sized to hold 2 - 250 gallon totes so that half of the shed can be used for a pump and the other half for the tote. The shed will hav	IFBA FA3 scrap area (outside)	ISA-14 IFBA Processing
11190	This will support upcoming changes to UT1 PLC and eventual changes to UT2 PLC. This will allow separation of controls into manageable sections based upon functionality and will reduce the complexity of the controls when troubleshooting is required.	Installation (Phase 1) of SoftHandling Infeed Controls	Installation of New PLC to handle Infeed Conveyor sections feeding UT1, UT2 and X-Ray. Initially, this will cover installation of the new PLC as well as transfer control of conveyors C6, C19, and C20 from Numlogic PLC's to the new AB PLC. OIT's will a	Mechanical Side Rod SoftHandling	ISA-10 ADU Rods
11191	This will support upcoming changes to UT1 PLC and eventual changes to UT2 PLC. This will allow separation of controls into manageable sections based upon functionality and will reduce the complexity of the controls when troubleshooting is required.	Installation (Phase 1) of SoftHandling Outfeed Controls	Installation of new PLC to handle Outfeed Conveyor Sections from UT1 and UT2. Initially, this will cover installation of the new PLC and Brick I/O. Conveyors I6, I23, and I24 will also be cutover and placed into production.	Mechanical Side Rod SoftHandling	ISA-10 ADU Rods
11193	To meet CAPS 10-302-C003.01 which was in response to Redbook 16266. This will eliminate the dangerous failure mode of the current phot-eyes and increase the safety integrity of IROFS ADUBB-914 and ADUBB-915	Replace photo eyes at Re-mill stations	Replace existing dark-operate photo-eyes and reflectors with Banner QS30VR3FF400QPMA16 photo-eyes. The new photo-eyes can detect the presence of a bulk container by reflected light from the container and they will not require separate reflectors.	remill stations 1 & 2	ISA-05 ADU Bulk Powder Blending



CCF-Number	Justification	Title	Description	Location	ISA ID
11195	<p>1. Per the cylinder and solenoid manufacturer, air lubrication is not required for cylinder and solenoid operation. This also alleviates the need to maintain lubricators that are not easily accessible. Dilapidated OEM regulator needs to be replaced. Filter is needed to prevent debris from entering regulator and solenoids.</p> <p>2. Provides ability to check natural gas pressure at an individual furnace. Plug valve is to provide gas pressure isolation to replace gage when needed.</p> <p>3. Provide method to relieve pressure from door supply line for LOTO.</p> <p>4. Provide method to tie-in calibrated gage to verify proper magnehelic gage reading.</p> <p>5. Provide improved viewing of main pusher operation.</p> <p>6. Remove unused valves/piping. Old</p>	4A Furnace Modifications	<p>1. Remove lubricators from door cylinder air supply lines. Replace OEM regulator with Norgren regulator(S/R # 35040). Add Norgren filter(S/R # 35143) to supply line. See attached Norgren documents for regulator/filter specifications. Ref. CCF 10044, Part 1 for similar change.</p> <p>2. Add pressure gage to natural gas inlet line. See attached McDaniels document for gage specifications. Add plug valve prior to pressure gage. See attached Swagelok document for plug valve specifications. Ref. CCF 10044, Part 2 for similar change.</p> <p>3. Add valve to door cylinder air supply line. See attached Jamesbury document for valve specifications. Ref. CCF 10044, Part 3 for similar change.</p> <p>4. Add port to entrance and exit end furnace pressure monitoring lines. Ref. CCF 10044, Part 4 for similar change.</p> <p>5. Remake main pusher cover from</p>	ADU Pelleting / 4A Sintering Furnace	ISA-08 Pelleting
11196	Inspection Rollers are in need of repair. Allow Que Plate to be used for fixture unloading while Inspection Rollers are out of service.	Allow Que Plate or Inspection Rollers on Fixture unload table	Allow fixture unloading across Que Plate or Inspection Rollers. See CCF 10329 to remove Que Plate and install Inspection Rollers.	IFBA/FA1	ISA-12 IFBA Fuel Rod Manufacturing

CCF-Number	Justification	Title	Description	Location	ISA ID
11197	The original cylinder was > 20 years old and needed replacement. The new cylinder replaces the original one. The original P/N has been replaced with the new one listed above.	Hydraulic Cylinder Changeout	BOM Item 150 (Hydraulic Cylinder Miller #1-SR-H-HY-84-B -2-N-4-16-1 3/4-5000-DA) on drawing 448F37EQ05 has been replaced with Hydraulic Cylinder Miller HV2-84-BXN-400-16.00-200-N110 / A=2.25 / KK=1.25-12 / LAF=4.00 / 5000 PSI.	Final Assembly CE Loader	ISA-17 Final Assembly
11199	Current practice is to disconnect the emergency feed wires from the elevator selector switch and create a temporary connection. This action has to be repeated at every shutdown. The receptacle will provide us access to power without having to "rewire" at each shutdown.	Addition of Breaker Calibration Receptacle	During shutdown we need emergency power to provide power for the breaker calibration equipment in equipment room 1. This CCF will allow us to mount a permanent receptacle at the selector switch.	Equipment Room #1	Miscellaneous
11202	Currently no local Network Switch is available. All network connections are via fiber optic and use local converters which have a high failure rate. Installation of a local switch also allows for addition of new components projected to be installed in	UT Area Network Switch Installation	Install a Network Switch between UT1 and UT2 Systems for use on the Process Control Network	Mechanical Side Between UT1 and UT2	ISA-10 ADU Rods
11203	Control of bladders to reduce tubes from jumping from slots.	Line 8 walking table bladders flow controls	Currently line 8 uses two flow controls to control one movement(up)on the entrance and exit walking beams for line 8. There are 6 arms on each walking beam. Each arm contains 2 bladders. Each bladder currently has its own flow control. By using one	Tube Prep line 8	Components

CCF-Number	Justification	Title	Description	Location	ISA ID
11205	<p>The existing unit has a "cleaning" frequency of 80kHz, the new Zenith unit will have the same frequency. The new units interior tank dimension are the same for width and length but it is 2" taller. The current tank is not filled to the top. The footprint of the tank will be the same, the generating unit will be smaller than the existing so it will just take up less desk space at the station.</p> <p>There is no SNM involved.</p>	Parts Cleaning Ultrasonic Cleaner	The existing Ultrasonic Resources Corporation table top ultrasonic cleaner is no longer available. The new back-up/replacement unit will be the Zenith Mfg. and Chemical Corp. Model 200-2. Literature is attached.	Component Cleaning Area - Tube Prep	Components
11206	Air lock partially obstructs an adjacent aisle.	Abandoned Airlock Removal for IFBA Repair Lathe	Remove the air lock which is currently an abandoned part of the IFBA repair lathe glove box.	CFFF, IFBA Line 7, Repair lathe	ISA-12 IFBA Fuel Rod Manufacturing
11207	The overflow parking lot has been approved as part of the CAA project, therefore extending the CAA project schedule by approximately 3 months. The Patriot Building Expansion and new Guard House cannot be occupied until the new Fire Alarm devices are ti	CAA Project - Fire Alarm Additions	This CCF includes the effort to add new fire alarm devices from the Patriot Building Expansion and new Guard House to the existing plant Fire Alarm System. This work was included in the overall project CCF 10449, but needs to be separated to make them	Patriot Building and new Guard House	Grounds

CCF-Number	Justification	Title	Description	Location	ISA ID
11209	We are performing the review now, to ensure that future spare part purchases can be made in a timely manner.	Canberra gamma monitor spares part number change	<p>Three Canberra iUMON Gamma Monitors were installed in the UF6 Bay for a 6-09 project to monitor the flow from the Q-Tanks to Waterglass.</p> <p>In the effort to setup spare parts in the storeroom, the team discovered that Canberra (the manufacturer) changed some of component part numbers of these monitoring systems.</p> <p>We have been assured by the Canberra Application Support Manager that these part number changes were for internal use only, and that no hardware or firmware changes were made. This is the same individual who visited here, specified the equipment, set it up, and trained our technicians.</p> <p>Canberra Pre-amplifier: old part # 950370-1 new part # 950403-1/41</p> <p>Canberra iUMON Controller: old part # 950286-2HD0A.2</p>	UF6 Bay Waterglass Gamma Monitors	ISA-03 ADU Conversion
11210	To eliminate the risk of having the decanter clamshell not properly fastened to the frame while it is in operations.	Decanter frame bolt holes threads alternative repair method	Existing decanter bolt holes threads are stripped out and not longer holding the decanter properly. An alternative method to secure decanter is to repair bolt holes threads by the use of special inserts, and insertion of dowel pins to preserve alignment	ADU Conversion Decanter Lines 1,2,3,4,5	ISA-03 ADU Conversion

CCF-Number	Justification	Title	Description	Location	ISA ID
11211	To ensure all details are covered during machining.	Decanter Bearing Housings Drawings Revision	As follows: - To correct feed end housing ID dimension. - To reflect dowel pin holes location on both feed end and discharge end bearing housings. - To add oil drain. -To machine surface bottom of housings in order to remove any paint off but not exceeding more than 0.005"	Conversion	ISA-03 ADU Conversion
11213	Required by CSE-99-G	Temporary installation/removal of plastic sheet on ADU rod lines	Install plastic sheeting over ADU rod lines 1-4 to complete work on the overhead ventilation system. Remove plastic once all overhead work is complete.	ADU ROD Lines 1-4	ISA-10 ADU Rods
11217	The existing condition, where the roughing line is hard piped to the high vacuum valve, has caused the high vacuum valve to fail. 1) Take 6 inches of hard pipe out and replace with 6 inches of flexible pipe. 2) The high vacuum valve is currently suppo	Vacuum Oven 1, Rough Vacuum piping change	1.Remove ~6 inches of pipe just before the Roughing valve, replace with ~6 flexible nipple. 2.Add a support post for roughing line in front of mechanical pump 3.Add a support post for the high vacuum valve	IFBA, FA2	ISA-14 IFBA Processing
11218	The existing condition, where the roughing line is hard piped to the high vacuum valve, has caused the high vacuum valve to fail. 1) Take 6 inches of hard pipe out and replace with 6 inches of flexible pipe. 2) The high vacuum valve is currently suppo	Vacuum Oven 2, Rough Vacuum piping change	1.Remove ~6 inches of pipe just before the Roughing valve, replace with ~6 flexible nipple. 2.Add a support post for roughing line in front of mechanical pump 3.Add a support post for the high vacuum valve  4. Install rubber feet on Roughing pump	IFAB/FA2	ISA-14 IFBA Processing

CCF-Number	Justification	Title	Description	Location	ISA ID
11219	Modifications are required for the new aqueous ammonia receiving, storage and transfer system. Once a system is in place, the use of anhydrous ammonia at the Columbia Fuel Fabrication Facility can be eliminated. Anhydrous ammonia is one of the most haza	Tank Farm Containment Modifications for Aqueous Ammonia Receiving/Storage/Transfer System	<p>Modify the T-9 tank foundation to meet design requirements as an aqueous ammonia tank. Install foundation piers for pipe supports and new T-9 tank transfer/recycle pumps. All joints between new and existing concrete which breach containment will have waterstop installed to prevent potential leak paths.</p> <p>A temporary dike will be installed around the construction area isolating it from in-service tanks. Temporary dike to be approved by EH&amp;S before the containment is cut for new piers.</p>	URRS - Tank Farm	ISA-06 Chemicals Receipt, Handling and Storage
11220	This is being completed to collect data on the variability of the supply gas dew point and to better understand the oxygen potential in the furnace.	Pellet Furnace 4A Dew Point Analyzer	Install a system to analyze the hydrogen supply gas to furnace 4A. The system consists of a humidity probe and transmitter which plug into a receptacle for power. The gas is analyzed near the hydrogen entry point to the furnace. Data is collected from	Pellet Furnace 4A	ISA-08 Pelleting
11221	Current NILFISK vacuums are not capable of handling zirconium and existing zirconium vacuums in the mechanical area are not approved for use in the chemical area.	Use of Ruwac Zirconium vacuum in the rod areas	This CCF is to document and cover the use of the Ruwac portable zirconium vacuum in the rod manufacturing areas (IFBA and ADU rods) for zirconium cleanup and removal. Use of this vacuum is authorized only in the IFBA and ADU rod manufacturing area.	ADU rod lines, IFBA rod lines	ISA-10 ADU Rods

CCF-Number	Justification	Title	Description	Location	ISA ID
11222	We are currently having network communications issues between the WonderWare and the PLC. The 374CPU has 100MB full duplex ethernet capability.	Coater 6 PLC CPU upgrade	Replace the current CPU and Ethernet Comms card with a 374CPU with onboard Ethernet.	IFBA Coater 6	ISA-14 IFBA Processing
11223	We are currently having network communications issues between the WonderWare and the PLC. The 374CPU has 100MB full duplex ethernet capability.	Coater 2 PLC CPU Upgrade	The current 364CPU for the GE PLC is obsolete. The recommended replacement is the 374CPU.	IFBA Coater 2	ISA-14 IFBA Processing
11224	We are currently having network communications issues between the WonderWare and the PLC. The 374CPU has 100MB full duplex ethernet capability.	Coater 3 PLC CPU Upgrade	The current 364CPU for the GE PLC is obsolete. The recommended replacement is the 374CPU.	IFBA Coater 3	ISA-14 IFBA Processing
11225	We are currently having network communications issues between the WonderWare and the PLC. The 374CPU has 100MB full duplex ethernet capability.	Coater 4 PLC CPU Upgrade	The current 364CPU for the GE PLC is obsolete. The recommended replacement is the 374CPU.	IFBA Coater 4	ISA-14 IFBA Processing
11226	We are currently having network communications issues between the WonderWare and the PLC. The 374CPU has 100MB full duplex ethernet capability.	Coater 5 PLC CPU Upgrade	The current 364CPU for the GE PLC is obsolete. The recommended replacement is the 374CPU.	IFBA Coater 5	ISA-14 IFBA Processing
11227	We are currently having network communications issues between the WonderWare and the PLC. The 374CPU has 100MB full duplex ethernet capability.	Coater 7 PLC CPU Upgrade	The current 364CPU for the GE PLC is obsolete. The recommended replacement is the 374CPU.	IFBA Coater 7	ISA-14 IFBA Processing
11228	We are currently having network communications issues between the WonderWare and the PLC. The 374CPU has 100MB full duplex ethernet capability.	Coater 8 PLC CPU Upgrade	The current 364CPU for the GE PLC is obsolete. The recommended replacement is the 374CPU.	IFBA Coater 8	ISA-14 IFBA Processing

CCF-Number	Justification	Title	Description	Location	ISA ID
11229	This rack will provide organized interim storage of incoming powder blend samples and minimize the possibility of intermixing samples during login and labeling.	Blend Sample Cup Rack	Fabricate and install a Plexiglass sample cup rack for the Chem Lab Lines Room. The rack will sit on the laboratory bench inside the Chem Lab Lines Room at the Conversion area pass-through window and will hold twelve 4-ounce sample cups in a single lay	Chem Lab - Lines Room	ISA-18 Laboratories
11230	Tha XML files currently being created are not compatible with TracWorks. Dominion generation has requested that the files be correctly generated for future shipments.	XML Data File Fix	Modify XML NRC 741 data file creation function to remove the stray CR at the end of the file and to add the version number on the first line.	COLUMN	Miscellaneous
11231	Old system is worn out and not working very well	Replace cathodic protection control Fire tank #2	Replace the obsolete cathodic protection control on Fire Pump tank #2 with a new CORRPRO TASC VIII control.	Fire pump house	Miscellaneous
11237	The current part for 35053 (order on demand) is no longer available. According to the vendor this part is a direct replacement	Spare Part setup sheet change; O2 sensor	The replacement part for NC9769110 has been changed to MC9003451, vendor #651061.	Invivo Room on the clean side	Miscellaneous
11239	No longer needed.	Remove cabinet doors on scrap lathe cabinet	Remove doors below scrap lathe. This is the steel cabinet attached to the legs of the lathe, it has nothing to do with the hood or ventilation.  No SSC's affected.	Scrap Lathe in ADU rod area	ISA-10 ADU Rods



CCF-Number	Justification	Title	Description	Location	ISA ID
11240	The current supports do not adequately restrain the rod throughout the end plug repair process. This can results in tube damage which requires additional inspection time and scrapped rods.	Line 7, Pop-Up Roller Supports (Rod Handling)	Install new actuated roller supports for the repair lathe station.	CFFF, IFBA Rod Line, Rod Repair Station	ISA-12 IFBA Fuel Rod Manufacturing
11241	The existing drive is obsolete. We will be replacing the ACS140 with an ACS150 drive. The ACS 150 drive only has 1 output so we will be controlling the run indicator light with a PLC output, instead of from the drive. The rotary valve running signal	VFD Upgrade on Erbia Central Vacuum System	Upgrade the rotary valve VFD on the Erbia Central Vacuum System.	Erbia Central Vacuum System	ISA-01 Plant Ventilation System
11246	Pellet carts are stored near the motor and the handles frequently make contact with the motor, motor junction box, gearbox, and/or proximity switches. This is to prevent unwanted contact and prevent premature failures.	3C Boat Inverter Motor Guard	Install a motor guard for the sintering furnace boat inverter.	3C Pellet Sintering Furnace: Boat Inverter	ISA-08 Pelleting

CCF-Number	Justification	Title	Description	Location	ISA ID
11247	Improve safety and operation.	Improve liquid nitrogen handling in Invivo room	<p>Improve liquid nitrogen handling in Invivo room. Two problems exist today. 1) The 160 liter container currently sits on an elevated pad requiring the HP tech to heft the cylinder up onto the pad and to ease it down from the pad when changing it out. This is a difficult task with possibility of injury. 2) The currently installed piping from the 160 liter liquid nitrogen container is copper with closed cell PE insulation. This is not suitable for liquid nitrogen service.</p> <p>This CCF will relocate the cylinder usage location such that it is on ground level and run vacuum jacketed hoses to deliver liquid N2 to the Invivo detector dewars.</p>	Invivo room	Miscellaneous

CCF-Number	Justification	Title	Description	Location	ISA ID
11248	<p>Existing frame has a weakened area with previous weld repairs. The additional welding was not properly performed and has caused concerns for future failures that may accelerate over time due to increased stress and fatigue levels. The added support is intended to extend structure life and insure safety levels are adequate until a new design, to prevent these early failures, can be completed and a new tumbler can be fabricated.</p> <p>By shortening the angular brace on the safety gate, the gate will close and align properly with the adjacent locking pin. Presently the operator has to manually pick up on the gate to force alignment before locking into place.</p>	Bulk Blending Tumbler modifications	<p>Add support structures to existing structural frame for reinforcement.</p> <p>Cut 1/4" from angular brace on the cradle safety gate enclosure</p>	Bulk Blending Room	ISA-05 ADU Bulk Powder Blending
11249	In order to allow use of this building and storage pad ahead of the rest of the project it is being segmented off and covered separately in this CCF.	Allow use of Patriot building expansion and large trailer storage pad	The Patriot building expansion and large trailer storage pad are now complete and available to turn over to the transportation group for use. This building expansion and storage pad are features in the overall CAA expansion plan that is covered under CC	Patriot building expansion/ CAA Expansion	Grounds
11250	Wires are disconnected in the Computer Room, but cannot be removed until they can be disconnected from the PLC's noted above	Removal of Unused Communication Cable on Rod Weigh PLC	Removal of abandoned wires from NumaLogic Rod Weigh A and Rod Weigh B Systems	Mechanical Side above Cookie Sheet Transfer Section	ISA-10 ADU Rods

CCF-Number	Justification	Title	Description	Location	ISA ID
11251	The open area on the 3rd level increases the difficulty of performing maintenance on the 3rd level components. This area appears to be a "leftover" from when access to the 3rd level was via a ladder through this opening. Covering the opening will provide easier access to 3rd level components and alleviate the current fall hazard. The hand-rails will no longer be required when the platform opening is eliminated.	Pellet Line 2 3rd Level Platform Modification	Remove hand-rails and add floor section to 3rd level platform to fill in an open area on back side of the powder lift.	ADU Pelleting / Line 2 3rd Level Platform	ISA-08 Pelleting
11252	The existing pressure relief valves were removed from the system and need to be re-calibrated before putting back into the system. The valves cannot be calibrated on site and may not be able to go off site to calibrate.	replacement pressure relief valves	Allow the hot oil pressure relief valves to be substituted with valves manufactured by Consolidated, with the same specs.	hot oil systems	ISA-03 ADU Conversion
11253	The current overflow lot was never intended to be permanent and does not provide adequate spacing, lighting and drainage.	Upgrade Auxillary Parking Lot	Renovate existing gravel overflow parking area to provide appropriate drainage, Lighting, walkways, landscaping, asphalt paving, and one directional traffic flow.	At the current overflow gravel parking lot	Grounds
11254	The replacement PRV in the store room did not have the correct ratings, but Consolidated has one with the correct ratings, just by another manufacturer. It should be 25psi, but the one in the store room was 15psi.	replace hot oil expansion tank pressure relief valve	refer to CCF 11252 for the same type of substitution, just in a different part of the system.  Allow the hot oil pressure relief valve at the expansion tank to be substituted with valves manufactured by Consolidated, with the same specs.	hot oil system expansion tank	ISA-03 ADU Conversion

CCF-Number	Justification	Title	Description	Location	ISA ID
11255	Remove unnecessary flow switch controls from Hot oil system	Hot oil system #3 flow switch removal and power switch	Remove flow switch and associated electrical wiring. Reroute Hot Oil Power On Selector Switch from flow switch wiring to PLC input for proper operation.	hot oil system 3	ISA-03 ADU Conversion
11256	Remove unnecessary flow switch controls from hot oil system	Hot oil system #4 flow switch electrical removal	Remove flow switch and associated electrical wiring. Modify PLC program to remove logic associated with the flow switch.	hot oil system 4	ISA-03 ADU Conversion
11259	Over the years various systems and structures have been abandoned in place such as the support stand for bottom end UT devices and the electronic operating system for those devices. This CCF will allow the area to remove those systems and clean up the	Remove Unused and Abandoned Equipment at UT#2	Abandoned and unused equipment and support structures will be removed from the area of UT#2.	Ultrasonic Tester #2 in QC Rod Inspection	Clean Side Rod Area
11260	See on attach sheet chesterton 195. This will be an excellent substitute for the superheater top flange. The superheater operates at 300 deg F and about 60-120 psi steam pressure. The temerature limit for chesterton 195 is 750 deg F and pressure limit i	Replace superheater gasketwith Chesterton 195	The existing gasket is a flexitellic gasket. A 4.5" gasket is needed. This is an odd size gasket and is not available locally. Chesterton 195 Nitrile Binder is designed to withstand up to 750 Deg F and 1400 psi. It is an excellent substitute.	Line 2 superheater	ISA-03 ADU Conversion
11261	Existing Cutler-Hammer unit has failed. The existing unit is obsolete.	Kobelco Compressor #1 Soft Starter Replacement	Replace the existing soft starter for the Kobelco Air Compressor #1.	Air Compressor room on clean side near the grid area.	Miscellaneous

CCF-Number	Justification	Title	Description	Location	ISA ID
11263	<p>*The current common pressure switch does not allow testing of PELSINT-903 without tripping all 18 pellet sintering furnaces. This is a major inconvenience that results in production downtime and maintenance costs that will be avoided as the furnaces are transferred to individual pressure switches. This CCF simplifies PELSINT-903 and makes it more reliable by eliminating an interposing relay which has a dangerous failure mode.</p> <p>* Replace obsolete equipment and improve accuracy and stability of temperature measurements. Also separate process control temperature measurements from SSC's. This is identical to the controls upgrade that was recently completed on 1C furnace.</p> <p>*Solenoid valves are a poor choice for final elements in interlocks. It is not possible to verify the state of the valve when performing interlock verifications and they are prone to leak-through. This modification is identical to the one on other furnaces</p>	Furn 4C Rebuild / Controls Upgrade	<p>With this CCF, we will:</p> <p>*Install individual N2 pressure switch- This CCF is to transfer the low nitrogen pressure interlock wiring from the common switch to the new individual switch for individual furnaces. All sintering furnaces in ADU and Erbia have a low nitrogen pressure interlock (PELSINT-903) from a pressure switch on the main nitrogen header that is located on the thermal stability furnace mezzanine. A new header with 19 individual pressure switches has been installed under CCF 09630. This will enable each furnace to have its own pressure switch for this interlock. This change was implemented on several furnaces already.</p> <p>*Replace the following temp controls: SCR's for Pre-Heat zone, ammeters, and Honeywell 2500 Overtemp UDC's on this sintering furnace. The following SSC's will be impacted: PELSINT-903, PELSINT-904, PELSINT-905, PELSINT-907, PELSINT-908</p> <p>* Replace solenoid valves: SV1A9,</p>	Furnace 4C	ISA-08 Pelletting
11264	EH&S has requested the option for the existing lights to be flashing lights.	EH&S TRIR Display Board	With this CCF we will add a Repeat Cycle timer to the TRIR display board to flash the lights on the stop light.	EH&S TRIR Display Board	Miscellaneous

CCF-Number	Justification	Title	Description	Location	ISA ID
11265	Current ventilation fan breaks down frequently per electricians. Also, the fan is obsolete.	Replacement of Oil House Ventilation Fan	Replace current ventilation fan with an upgraded ventilation fan; new ventilation fan is the direct replacement of current fan, but the base is a little bigger(2") than the current ventilation fan. Opening in wall may have to be widen 2". Power for fan is the same.	Oil House	Miscellaneous
11266	Per the Mfg. P/N:8321G3 replaces P/N:8321A3. ASCO solenoid valves with design change letter "G" in the catalog number have an epoxy encapsulated ASCO RED HAT II solenoid. This solenoid replaces those with metal enclosures and open frame constructions.  No electrical changes required.	Joy Air Compressor Unload Valve	With this CCF we will replace unload valve SV1 currently p/n: 8321A3 with p/n: 8321G3.	Joy Air Compressor	Miscellaneous
11267	Limit access....  no electrical changes required...	Start switch replacement	We will replace the start button to the shearing machine in the Maintenance Dept. with one that requires a key.	Shearing Machine in maintenance	Miscellaneous
11269	The hood has been out of service for a very long time. There are no plans to restart using this hood in this location.	Remove and discard hood	Remove and discard the old hood along the west wall of IFBA FA3. This is to include all old electrical conduit, duct work, HP vacuum lines, etc.	Along the west wall in FA3	ISA-14 IFBA Processing

CCF-Number	Justification	Title	Description	Location	ISA ID
11272	The nitric/water used to wash filter bags creates a high volume of waste liquid. Reusing this liquid will reduce the amount of nitric used and reduce the impact of this waste liquid on operations for processing.	Modify Scrap Cage Washing Machine for Rewash	<p>The Scrap Cage Washing Machine PLC program currently allows for single use wash liquid for bag filters at the Pressure Wash Stations. For each wash, fresh nitric/water is added, and the liquid is pumped out at the completion. The planned revision to the PLC program would allow the liquid to be reused for multiple washes of bag filters in the pressure washer. This liquid would remain in the respective mix tank until the specified number of washes were complete.</p> <p>There are no SSCs associated with the PLC program.</p>	Scrap Cage Washing Machine	ISA-11 Scrap Uranium Processing
11273	A recent event in which someone evidently stepped on a cable and damaged one of the DAQ cards on the acquisition system resulted in the need to replace the computer, during the replacement process the vendor crossed 2 cables generating data acquisition	Rack and Cable Protection for Gamma Scanner 3 Acq System	<p>WE desire to install a 19" rack for the mounting and running of cable to house the Acquisition Computer used for Gamma Scanner 3.</p> <p>Project will involve installing the new computer rack, and associated cable tray to protect cables from damage.</p>	Behing Gamma Scanner 3	ISA-10 ADU Rods
11274	The Westinghouse Accutrol VFD has failed, it is unrepairable and obsolete. Our current replacement VFD is ABB.	VFD Replacement for Fan 7113	Replace Westinghouse Accutrol VFD with an ABB VFD.	IFBA Mechanical Equipment Room Fan 7113	ISA-01 Plant Ventilation System



CCF-Number	Justification	Title	Description	Location	ISA ID
11275	Existing Unit is hard to read (monochrome, it does not have a touch screen, the programming software and the unit is obsolete. The 1700 series replacement is used throughout the plant for serial devices. It has a color touchscreen.	Replace Obsolete PanelMate at Top End Non-Fuel Line 6	Replace obsolete PanelMate with a more current Model 1700series Power Pro.	Non-Fuel Top End Line 6	Components
11276	The pump is too loud to operate in the area and the furnace is under sufficient pressure to provide enough flow through the system for analysis.	Pellet Furnace Dew Point Analyzer	Remove the pump from the gas sampling system and install a spool piece to replace the gap in the tubing once the pump is removed.	Pellet Furnace 4A	ISA-08 Pelleting
11277	This support structure requires modification in order to meet the requirements of the AISC design specification. Until these modifications are completed, the crane will be locked out of service.	West Jib Crane	Modify the support structure for the west jib crane, located on the roof of the CFFF. All modifications are detailed on drawing 700F03ST18 sheet 04.	The Roof of the CFFF	Miscellaneous
11279	Floor and wall are worn. Tile will make flooring and wall more durable with a great look.	Entrance Foyer Tile Replacement	The scope of this project is to renovate the Facility Entrance flooring and wall. New floor and wall tile will be installed in all three sections of the foyer by contractors.	Main Entrance Foyer	Miscellaneous
11280	Carolina Lift & Hoist is a big user of the used oil storage tank on the Hazardous Waste Storage pad; by having a localized tank, it will free up capacity on Hazardous Waste Storage Pad. Contractor pick-ups and traffic to the Hazardous Waste pad will be	Tractor Shed Used Oil Storage Pad	Add a concrete oil spill containment area (approx. 13' X 10') to match the current south side gasoline dike. Place a 500gal above ground double wall tank (65" X 48" dia) inside dike to store used oil per Mike Dickert request. Mike Dickert will have contractor pick up used oil when full.	Behind Gas Tank Dike	Grounds

CCF-Number	Justification	Title	Description	Location	ISA ID
11281	Improve safety of system.	Disconnect SOLX spent solvent standpipe	Disconnect SOLX spent solvent standpipe. Add air operated diaphragm pump to transfer spent solvent from portable containers into V-1454.	SOLX area	ISA-07 Solvent Extraction
11283	As per the manufacturer, the R622 is the recommended replacement regulator for the R922.	Pilot gas regulator on #2 NA Boiler	The pilot gas regulator on #2 North American Boiler has failed. The existing unit, a type R922, is obsolete and will be replaced with a type R622.  Reference PCV 1188B on 615F03PI02.	Boiler House #2	Miscellaneous
11286	The old controls are obsolete and control of the rods from Leak Check Soft Handling to UT2/UT1/X-Ray is split causing difficulty in separating areas for shutdown (from a controls perspective) as well as causing confusion when attempting to trouble-shoot	Cutover of B1/B2/B3 Leak Soft Handling Conveyor	This will move control from the Leak Check Soft Handling PLC to the new Soft Handling Infeed PLC for Conveyor Sections B1, B2 and B3	QC Final Inspection Area	ISA-10 ADU Rods
11292	Safety - Coating fixtures become damaged during use. This jig will be mounted to the floor next to the hood where fixtures are brushed as the final cleaning step. Fixtures will then be checked for straightness prior to being placed back into service.	IFBA Fixture test jig install	Install fixture test jig in fixture repair room	IFBA/FA1	ISA-14 IFBA Processing
11293	Capacity - IFBA will be purchasing Rail type fixtures for coating 17 Opt pellets. Current storage shelves do not have the capacity to store an additional fixture type	Expand fixture storage capacity	Extend the shelf brackets by ~2 inches on one side of existing fixture storage shelves to increase the number of fixture storage positions.	IFBA/FA1	ISA-14 IFBA Processing

CCF-Number	Justification	Title	Description	Location	ISA ID
11296	<p>the manufacturer is re-naming product. This is a name change only; the oil specification remains basically the same. Ref. attached LEYBOLD E-MAIL CORRESPONDANCE.pdf file for background re: change.</p> <p>Note that this oil will be classified as an ISO VG 100 instead of an ISO VG 68 oil. The kinematic viscosity of the LVO 100 is 92 cSt @ 40 Deg. C(see attached MSDS file). The kinematic viscosity of the N62 was listed as 70 cSt @ 40 Deg. C per a 2000 Leybold catalog(see attached Leybold Oils Reference Guide, MARCH 2000.pdf file) . However, the Leybold 2010 catalog(see attached LEYBOLD N62 2010 SPECIFICATIONS.pdf file) indicates the kinematic viscosity to be 90 cSt @ 40 Deg. C i.e. the information in the 2000 catalog was not correct. The density of the oil(.88 g/ml) has not changed.</p> <p>Ref. CCF 10176 for similar change.</p>	Vacuum Oil P/N Change	<p>Change the Leybold Vacuum Pump Oil, N62 to Leybonol, LVO 100.</p> <p>The MSDS for Leybonol LVO 100 is attached.</p> <p>This change affects the following equipment:</p> <p>IFBA Area: Vacuum Pumps, Roughing &amp; Coaters</p> <p>Rod Area: Inline Leak Detectors, Alcatel &amp; Pfeifer pumps; Helium Leak Detector(Unit 2), Vacuum Pump and Alcatel Pump; Debris Resistant Oxide Coater, Vacuum Pump.</p> <p>Furnace Area: Vfs Furnace # 1 &amp; 2, Booster, Trivac Holding &amp; Roughing Pumps; Abar Furnace #1, Holding Pump.</p> <p>Non-Fuel Area: Helium Leak Detector(Unit #3), Alcatel &amp; Kenny Vacuum Pumps.</p>	IFBA Area, Rod Area, Furnace Area, Non-Fuel Area, Development Lab Area & Erbia Area	Miscellaneous

CCF-Number	Justification	Title	Description	Location	ISA ID
11297	<p>Poor performance issues with the Kluber Barrierta L 55/1.</p> <p>The Krytox 240AD grease is a fluorinated grease(non-hydrogeneous - see attached hydrgen analysis report).</p> <p>Halocarbon 25-10M(S/R # 725161) is a non-hydrogeneous grease already in use in the plant.</p>	Kluber Barrierta L 55/1 Replacement	<p>Replace Kluber Barrierta L 55/1 grease with Dupont Krytox 240AD on APVIS Ball Screws, Slides, Servo Transmissions &amp; Table Gear Train.</p> <p>Allow use of Dupont Krytox 240AD or Halocarbon 25-10M on APVIS Roller Table and Polybelt Drive Ball Bearings in lieu of sintered graphite.</p> <p>Dupont Krytox 240AD Data Sheet &amp; MSDS are attached. This product is purchased in 0.5 Kg containers. This product will be dispensed via a special grease gun(Dualco Model 700231 Push Type Utility Grease Gun with a P/N 10503 Needle Nozzle or equivalent - see attached Dualco specifications).</p> <p>Halocarbon 25-10M Data Sheet &amp; MSDS are attached. This product is purchased in 0.5 Kg containers.</p> <p>This change affects SSC IFBA-118.</p>	IFBA \ APVIS	ISA-12 IFBA Fuel Rod Manufacturing
11298	Safety - existing drum bar support pieces bend and break the welds causing fixtures to get stuck in the drum. Operators struggle to remove stuck fixtures from the drum.	Coater drum bar support	Modify the existing coater drum bar support from two pieces spot welded to each side to the drum bar, to one piece machined in the center to fit over the bottom end of the drum bar and fully welded.	IFBA/FA1	ISA-14 IFBA Processing

CCF-Number	Justification	Title	Description	Location	ISA ID
11299	This 6" storm drain, bypasses all sluice valves. If a spill occurs in the vicinity of this drain, no stop measure is in place to contain the spill.	Storm Drain Replacement	Replace and reroute the 6" storm drain from the existing location, in front of the fork lift repair facility, to the drain ditch just below the "A" sluice valve. A 3 foot square precast inlet structure will be placed at the existing inlet point.	Plant Grounds	Grounds
11300	Required by Richland County Deputy Fire Marshal.	Add speaker to new Gate 1 Guard Building	Per the Richland County Fire Marshal's review of the new guard building (CAA Project), an additional fire alarm speaker must be installed in the bathroom and tied into the plant's fire alarm system.	New Gate 1 Guard Building	Miscellaneous
11301	Existing Control power is not backed up by the generator. We will be adding a control transformer which will be powered by the Mech. Cooling Tower Feed which is backed up by the Generator. The Primary feed disconnect is to improve the LOTO. Currently	Add Control Transformer to the Mechanical Cooling Tower Controls	Add Control Transformer to the Mechanical Cooling Tower Controls. We will also be adding a disconnect to the primary feed to the Cooling Tower	Mechanical Cooling Tower behind plant	Miscellaneous
11302	The current position of the computer monitors on the A-side of the D&V hoods is actually behind the operator performing the task. This is an ergonomic issue that an articulating mount can account for, moving the screen in front of the operator and compe	Ergonomic Monitor Mounts at D&V Hood	Install adjustable, multi-axis monitor mounts and new touch screen monitors on the A-Sides of all pellet area D&V hoods.  No drawings specifically call out the computer interfaces found on the D&V hoods, thus no drawings are modified. Spec sheets of the stand and monitor are included.	Lines 1-6 D&V Hoods	ISA-08 Pelleting

CCF-Number	Justification	Title	Description	Location	ISA ID
11303	Current glass is cracked in the sifter hood. Replacement with Plexiglas will reduce the chance for future cracking and ease replacement when necessary.	Replace Safety glass in sifter hood with Plexiglas	The current glass on the sifter is safety glass and has developed a crack. Replace this broken glass with Plexiglass.	FA3 sifter hood	ISA-19 Hoods and Containment
11304	We drain solution from these points to sample into 3-gallon buckets currently. Implementation of CSE-99-D requires drilling holes into these buckets reducing their volume. To capture the solution during draining, IFBA can use mop buckets until the new	Install four (4) drain hoses	Install a drain hose on each of the three (3) filter canisters and the drain for V-7092. There are no drawings to update for this change.	Mop water system and IFBA scrubber	ISA-14 IFBA Processing

CCF-Number	Justification	Title	Description	Location	ISA ID
11306	This change will increase reliability of the existing safety interlocks and allow separation of the BPCS and Safety System.	Install New Valves and Transmitters at Line 1 Calciner	<p>Install a new bypass valve to be used in SSC's instead of the BPCS flow control Valve FCV-109A.</p> <p>Install a new blocking valve to be used in SSC's instead of the BPCS flow control Valve FCV-109B.</p> <p>Install a new safety pressure transmitter to be used in SSC's instead of the BPCS pressure transmitter PT-S-109D.</p> <p>Install a new safety flow element and transmitter to be used in SSC's instead of the BPCS flow element and transmitter FT-109B.</p> <p>This CCF is for installation of the above components. Activation will be performed by a future CCF.</p> <p>Similar to CCF 10-628</p>	Line 1 Calciner	ISA-03 ADU Conversion
11307	New transmitter will allow BPCS and Safety Functions to be segregated so BPCS can be upgraded.	Install Redundant New Safety Rated Transmitter for Line 5 V512 Tank	<p>Install a second transmitter which is safety rated to allow safety and process controls to be segregated. Existing transmitter will be used later for BPCS controls only. New safety rated transmitter will be connected to the PLC and BPCS.</p> <p>SSC ADUSCR-401 and ADUSCR-902 "Low level in V-512" will be affected.</p>	V-512 Tank	ISA-03 ADU Conversion

CCF-Number	Justification	Title	Description	Location	ISA ID
11308	New transmitter will allow BPCS and Safety Functions to be segregated so BPCS can be upgraded.	Install Redundant New Safety Rated Transmitter for Line 1 V112 Tank	<p>Install a second transmitter which is safety rated to allow safety and process controls to be segregated. Existing transmitter will be used later for BPCS controls only. New safety rated transmitter will be connected to the PLC and BPCS.</p> <p>SSC ADUSCR-401 and ADUSCR-902 "Low level in V-112" will be affected.</p> <p>Similar to CCF 11-307</p>	V-112 Tank	ISA-03 ADU Conversion
11311	Both Apollo and Jamesbry valves are used currently in the scrap area. The storeroom carries replacement parts for the Jamebury and not the Apollo valves. Other areas of the plant have been phasing the Apollo valves out of service. This will serve to	Like Kind replacement of Apollo valve	This CCF is to allow a like kind replacement of Apollo valves with Jamesbury valves in the IFBA scrap area. This is to include all sizes of valve. Any replacement Jamesbury valve shall have the equivalent or greater chemical resistance as the existing	All valves in the IFBA area	ISA-14 IFBA Processing
11312	Installation cannot continue without adequate electrical service.	Electrical for new LECOs	New LECO RHEN-802 hydrogen analyzers will replace the obsolete RH-404 analyzers currently being used. CCF 11186 was written to install and qualify the first unit. However, it has now been determined that the existing LECOs use a 30A feed; the new ones	Chem Lab LECO Room	ISA-18 Laboratories



CCF-Number	Justification	Title	Description	Location	ISA ID
11313	Transformers tend to be generic. It is often hard to find an exact replacement. Their life cycle is relatively long and when they fail the original model may not be available. If the requirements are met substitution is acceptable. On power transfer	Add Transformer Substitution to MCP-202174	This CCF will allow us to add transformers to substitution procedure MCP-202174. See attachment.	Plantwide	Miscellaneous
11314	This oil return line, equipped with a normally closed valve will facilitate daily draining of the oil which accumulates in the mist eliminator.	Oil return line on the IFBA Drying Oven #3 oil mist eliminator	The vacuum roughing pump discharge piping on the IFBA Drying Oven #3 is equipped with an oil mist eliminator. This CCF will allow an oil return tube be installed and routed from the drain port on the mist eliminator back to the vacuum roughing pump.	IFBA Drying Oven #3	ISA-14 IFBA Processing
11316	Old Panel does not include separation of 480V controls and requires use of Externally Mounted Motor Operated Breaker (To Be Removed in a Future CCF)	Hot Oil System #3 Contact Panel Installation	Install new 480Volt Control Panel for Contactor, SCR, and Starters for Hot Oil system #3	Chemical Area in Room Behind UF6 Bay	ISA-03 ADU Conversion

CCF-Number	Justification	Title	Description	Location	ISA ID
11319	<p>The current Harwall seal in the washing machine bearing housing leaks which causes corrosion of gearbox components and gearbox bearing failure. Replacing the Harwall seal with a Parker Hannifin bearing isolator will prevent process fluid corrosion of equipment from leaks.</p> <p>Replacing the Goretex gaskets on the drain valve of the common waste header with Garlock gaskets will stop leakage of waste processing vapors. This will reduce worker chemical hazards and corrosion of components from waste vapors.</p>	Washing Machine bearing isolator/gasket modifications	<p>The Harwall seal in the washing machine bearing housing will be replaced with a Parker Hannifin bearing isolator to prevent process fluid corrosion of equipment.</p> <p>The Goretex gaskets will be replaced on the drain valve of the common waste header with Garlock gaskets to stop leakage of waste processing vapors/waste crystallization.</p>	Conversion Washing Machine	ISA-11 Scrap Uranium Processing
11320	Duct heater is so close to V-7159 Scrubber Duct (IFBA Scrap Area), that it won't allow craftsmen to open door to perform infared camera shots etc. By relocating heater will allow safe access.	Relocation of EH-7100 Duct Heater	Move EH-7100 approximately 12inches over and 24 inches down from existing location; by installing the same type and size duct (8" stainless steel spool piece and 45 degree fitting)	EH-7100	ISA-01 Plant Ventilation System
11321	Current control valve leaked water onto floor near skeleton prodcut causing customers to be concerned about its reliability (CAPs# 11-081-C016.01). The 1968 control valve is worned and obsolete.	AC21 Valve Replacement	Replace old 2.5" Johnson Control mixing valve with 2.5" Schneider-Electric mixing valve. This will be an upgrade to the current 1968 valve. New valve will operate same.	AC21	ISA-01 Plant Ventilation System

CCF-Number	Justification	Title	Description	Location	ISA ID
11322	The I-beam will tolerate the minor impacts better and will be easier to secure to the floor.	Remove bollards and replace with I-beam	The concrete below the bollards on the west side of the hydraulic cart lift is becoming deteriorated. This CCF is to replace the bollards with an I-beam that will be easier to secure to the floor and that will absorb minor impacts from the walkie truck.	Bulk Blending Room	ISA-05 ADU Bulk Powder Blending
11324	some new speed control bumps will be added and existing speed control bumps will be moved to better control vehicle speeds as employees and others negotiate the parking lots.	Re-pave Main Employee Parking area install speed bumps	during the repaving effort additional speed bumps will be installed and many existing speed control bumps will be moved.	Main Employee Parking lot	Grounds
11325	Additional power requirement for scrubber cleaning station.	New electrical outlet in plating room	Install one 20 amp 120 VAC GFCI outlet in the plating room on the south wall.	South wall inside the nickel plating room	Components
11326	Pellet carts are stored near the motor and the handles frequently make contact with the motor, motor junction box, gearbox, and/or proximity switches. This is to prevent unwanted contact and prevent premature failures.	4C Boat Inverter Motor Guard	Install a motor guard for the sintering furnace boat inverter.	4C Pellet Sintering Furnace: Boat Inverter	ISA-08 Pelleting

CCF-Number	Justification	Title	Description	Location	ISA ID
11327	<p>The city water source that is currently used as the barrier fluid in the seals is too dirty for the application. We have repeat failures on these seals due to lack of cooling on the contact surface of the pump seals. The filters continue to clog with rust restricting water flow to the seals even though operations changes the filters weekly.</p> <p>This application will minimize seal failure due to lack of barrier fluid. The barrier fluid will be freeze resistant and chemically compatible with sodium hydroxide.</p>	Add Seal Reservoirs to Double Mechanical Seal Application on T-14 Caustic Pumps	Add Seal Reservoirs to Double Mechanical Seal Application on P-14A and P-14B.	T-14 Bulk Caustic Storage	ISA-06 Chemicals Receipt, Handling and Storage
11329	The pump has had repeated reports of cavitation. This can attribute to premature seal failure. The orifice will restrict the flow and bring the pump to optimum performance.	Install Oriface in P-14A/B Recirculation Line	Install Oriface in P-14A/B Recirculation Line	T-14 Bulk Sodium Hydroxide Storage	ISA-06 Chemicals Receipt, Handling and Storage

CCF-Number	Justification	Title	Description	Location	ISA ID
11330	Increase robustness and safety of the new zirc strap cleaner.	Zirc Strap Cleaner modifications	<p>The wash tank access doors need to be modified to prevent accidental emergency stops from the door being bumped. This will be accomplished through addition of door stops and adding a shim to the male engagement piece of the sensor.</p> <p>A mixing valve and pressure regulator are being added to the hot water line before the sink next to the wash tank to limit the maximum hot water temperature. This is needed to prevent possibility of hot water columns reaching the sink exceeding 120 degrees which can occur during the cycling of the hot water heater supplying the wash tank.</p>	Zirc strap cleaning and annealing room	Components

CCF-Number	Justification	Title	Description	Location	ISA ID
11332	<p>It was discovered during a gamma radiation survey associated with Customer 1st project NF-USF-6414 that Gamma Scanner #4 is leaking more radiation than desired. The goal of the project is to achieve ALARA for the gamma scanner operator. By installing the shielding the radiation exposure originating from Gamma Scanner #4 is estimated to be reduced by 90%.</p> <p>The shield was evaluated by David Crone for seismic mounting requirements (see attached document). The approved design meets the requirements established.</p>	Gamma Scanner #4 Radiation Shield	Install a 2.25" thick carbon steel shield on the operator side of Gamma Scanner #4.	Gamma Scanner #4	ISA-10 ADU Rods
11336	<p>CAPs 11-173-C001</p> <p>Defects were created from line 1 when a roll pin extended out past the nylon part on a rod lifter at the rope cleaner. The rods in the 26th and/or 27th positions were pushed into this roll pin when the rods from the loading table were transferred to the walking beam.</p> <p>This change will eliminate the ability to transfer rods from the loading block if any of the 27 positions are occupied.</p>	Modify Rod Transport Switch Block on Line 1	<p>The current block activates the switch if any of the 1st 25 positions of the walking beam are occupied by a rod. When this switch is activated, it will not allow the rods on the loading table to be transferred to the walking beam.</p> <p>This CCF is to extend the block for the switch to be activated if any of the 27 available positions are occupied by a rod.</p>	Line 1 transport	ISA-10 ADU Rods

CCF-Number	Justification	Title	Description	Location	ISA ID
11337	This pressure gauge is needed to determine the pressure drop across the Final Activity Monitors, WWM-3A and WWM-3B.	Install Pressure Gauge Before Final Activity Monitors	Install a pressure gauge before the Final Activity Monitors, WWM-3A and WWM-3B, in the waste water effluent line from the Q-Tanks.	Final Activity Monitors for Q-Tanks in ADU Conversion Area	ISA-03 ADU Conversion
11338	Request per PRF-1000264 to replace existing monitors with larger monitors and remove the 2nd monitor at the station that is no longer needed.	Bar Code Reader Monitor Replacement on Gamma Scanner 3	Replace Monitors for displaying Bar Code Reader Data on Gamma Scanner Systems 3	Mechanical Side (Gamma Scanner 3)	ISA-10 ADU Rods
11339	Request per PRF-1000228 to replace existing monitors and add video switching to allow ease of camera adjustments and operator log in.	Bar Code Reader Monitor Replacement on Tube Prep Rod Line 9	Replace Monitors for displaying Bar Code Reader Data on Rod Line 9 (Bottom End Tube Prep)	Mechanical Side Rod Line 9	ISA-10 ADU Rods
11340	Request per PRF-1000535 to replace existing monitors to allow ease of camera adjustments	Bar Code Reader Monitor Replacement on ADU Rod Line 3	Replace Monitors for displaying Bar Code Reader Data on ADU Rod Line 3	Chemical Side - ADU Rod Lines	ISA-10 ADU Rods
11341	Request per PRF-1000535 to replace existing monitors to allow ease of camera adjustments	Bar Code Reader Monitor Replacement on ADU Line4	Replace Monitors for displaying Bar Code Reader Data on ADU Rod Line 4	Chemical Side - ADU Rod Line 4	ISA-10 ADU Rods

CCF-Number	Justification	Title	Description	Location	ISA ID
11342	Currently only one wireless signal node, located near the pit, provides PATRIC service to the packing and F/A areas. Because of the existing forest configuration, the wireless PATRIC signal is frequently dropped from the hand held scanners while an operator is in the forest.  This means the scanner needs to be rebooted, which requires time and can have an adverse impact on operator dose (readings). This is in conflict with the Plant ALARA objectives	PATRIC - Increased Wireless Signal Strength	Add additional wireless nodes on the ceiling at the entrance to the forest (see attached sketch for the new wireless router locations.) Also see attached quote to perform this work.	Assembly Storage Area	ISA-17 Final Assembly
11344	CAPs 11-173-C001  Defects were created from line 1 when a roll pin extended out past the nylon part on a rod lifter at the rope cleaner.  This change will eliminate the carbon steel roll pin.	Modify Rope Cleaner Lift Block to use nylon dowel instead of steel roll pin	The current rope cleaner lift block is a nylon v block attached to a stainless steel base with a carbon steel roll pin.  This CCF is to replace that roll pin with a nylon dowel pin.	Line 1 rope cleaner	ISA-10 ADU Rods
11345	Request per PRF-1000264 to replace existing monitors with larger monitors and remove the 2nd monitor at the station that is no longer needed.	Bar Code Reader Monitor Replacement on Gamma Scanner 4	Replace Monitors for displaying Bar Code Reader Data on Gamma Scanner System 4	Mechanical Side (Gamma Scanner 4)	ISA-10 ADU Rods



CCF-Number	Justification	Title	Description	Location	ISA ID
11346	<p>CAPs 11-173-C001</p> <p>The front end of the aluminum arms make contact with a rod that is located in the position in front of the rope cleaner.</p> <p>There are no drawings associated with these pieces, see photo attached.</p>	Shorten Aluminum rails on rod loading transfer arms	Line 1 has aluminum arms bolted to the plastic v groove arms to keep them from lifting up on the ends. This CCF is to remove approx. 1/2" from the front end of these aluminum arms.	Line 1 rod transport	ISA-10 ADU Rods
11347	To make room for the KI office.	Modify Sprinkler System in Zone 2	A KI Office System is being installed in Zone 2 of the Office Area. One sprinkler head will be removed and one will be added in order to satisfy the amount of coverage required.	Office Area Zone 2	Miscellaneous
11348	Reduce airborne/foreign material concerns while performing 4C brick repair. The brick repair is scheduled to start on 7/18/11 with a 7/29/11 estimated completion date. The curtain will be removed upon completion of the repair.	Temporary Curtain Construction	Fabricate a temporary curtain the full length of the 4C furnace (from end of entrance conveyor to boat dumper) between the furnace and the main aisleway. The curtain will hang from conduit/pipes attached to the overhead crane rail; the curtain will drape	ADU Pelletizing \ 4C Sintering Furnace	ISA-08 Pelletizing

CCF-Number	Justification	Title	Description	Location	ISA ID
11349	The current hopper section has numerous cracks around the vibrator. The cracks are due to fatigue and were caused by poor design and attachment of the vibrator mounting pad. We will add a re-pad and change from a channel shape to a tubular shape to have the actual vibrator mounted to. The modifications being applied will eliminate the fatigue cracking issues we are currently experiencing.	DC-9401B taper section replacement/modification	Have new hopper section fabricated to replace the failed section of Torit hopper DC-9401B. The modifications are for the way the vibrator is attached to the vessel: add re-pad and change from channel pad to tubular pad under the vibrator.	Erbia	ISA-01 Plant Ventilation System
11351	The additional blind will prevent liquid flow from the on-line C tank filter going through the off-line loop of the primary monitor to the off-line B tank. This is only possible when the off-line flow control valves failed (see attached pathway)	Blind addition for Q-tank isolation	Add a spectacle blind on the 1 1/2" existing flange on the filtrate pipe between the primary monitor and the FL-116 C1 and C2 filters.	Q tank system	ISA-03 ADU Conversion
11352	Obsolescence.	Electric Actuator Replacement	This CCF will replace the obsolete J+J Automation J2-L55 electric actuator with the new model J3-L55 (also labeled as Valworx part # 561056). The replacement actuator will have the same specifications as the old one.	UF6 Cylinder Cleaning & Survey	ISA-09 UF6 Cylinder Wash
11354	Improve operating conditions.	Add pump to control T-942D (incinerator quench overflow seal pot) level	T-942D, the incinerator quench overflow seal pot, constantly drips while the incinerator operates - small amounts of liquid from the quench spray make it down the overflow piping and then overflow onto the area floor (as designed). This CCF will install	Incinerator	ISA-13 Low Level Radioactive Waste Processing

CCF-Number	Justification	Title	Description	Location	ISA ID
11356	<p>Line 2-4 have a 1/4" spacer between the rope cleaner frame and the main table frame. Line 1 does not and actually makes the jaws for the plugger clamp too close to the 1st lifter at the rope cleaner.</p> <p>Making this change will also help at the plugger because line 1 plugger cylinder is approaching the end of its stroke compared to the other pluggers. The line has been walked down to verify the new position of the tube end does not require any additional changes.</p> <p>There are no drawing tying the rope cleaner to line 1 only a general drawing for the rope cleaner. No drawing changes are needed.</p>	Add 1/4" spacer between the rope cleaner frame and the main table frame	Place a 1/4" spacer where the rope cleaner frame is bolted to the main table frame.	ADU Rod Line 1 Rope Cleaner	ISA-10 ADU Rods
11357	An optimal pool depth setting was determine under CCF10797 on Conversion Line 4's decanter and the change is being implemented on the remaining lines.	Line 1 Decanter Weir Ring	Install a weir ring with three optional settings for decanter pool depth.	D-107	ISA-03 ADU Conversion
11358	An optimal pool depth setting was determine under CCF10797 on Conversion Line 4's decanter and the change is being implemented on the remaining lines.	Line 2 Decanter Weir Ring	Install a weir ring with three optional settings for decanter pool depth.	D-207	ISA-03 ADU Conversion

CCF-Number	Justification	Title	Description	Location	ISA ID
11359	An optimal pool depth setting was determine under CCF10797 on Conversion Line 4's decanter and the change is being implemented on the remaining lines.	Line 3 Decanter Weir Ring	Install a weir ring with three optional settings for decanter pool depth.	D-307	ISA-03 ADU Conversion
11360	An optimal pool depth setting was determine under CCF10797 on Conversion Line 4's decanter and the change is being implemented on the remaining lines.	Line 5 Decanter Weir Ring	Install a weir ring with three optional settings for decanter pool depth.	D-507	ISA-03 ADU Conversion
11361	Currently the operators remove the cover to perform spacer changes. The Pin Stamp could run with the cover removed. This potentially could be a safety issue. This modification will add an access cover to be fitted to the protective cover which will al	Modify Pin Stamp Protective Cover	Modify Pin Stamp Protective Cover to allow limited access for spacer replacement.	Pin Stamp machine between Oxide Ctr 1 and Line 9	Components
11363	CAPs 11-173-C001  To replace steel roll pin with nylon pin.	Change Line 2 Rope Cleaner Lifter Design to Use Nylon Dowel Instead of Steel Roll Pin	Change the rope cleaner lifter assemblies to the design in 366F08EQ11. There are currently no drawings for the existing lifter assemblies, so no drawing changes are needed.	Line 2 rope cleaner	ISA-10 ADU Rods
11364	CAPs 11-173-C001  The new switch will not allow any rods to transfer from the loading station if any of the 27 spaces in front of the rope cleaner are occupied.	Modify Rod Transport Switch Block on Line 2	Change the existing block to the longer block in 366F08EQ10.  There are currently no drawings for the existing switch block, so no drawing changes are needed.	Line 2 Transport	ISA-10 ADU Rods

CCF-Number	Justification	Title	Description	Location	ISA ID
11365	The BWR rods are not long enough to reach the XL AP1000® lift pad but overhang the next pad enough that they droop and catch on the stationary roller when they are transferred.	Make Pads Interchangeable on Lift at Rod Weigh Rollers.	When rods have completed rod weigh and are accumulating for leak check they accumulate in groups of 25 next to the rod weigh exit. The group of 25 lifts and transfers to another set of rollers that take the group of 25 into the leak check. The V-groove pads that lift the rods are currently of 2 different widths. It looks as if the wider width was added when the machine was upgraded for either XL or AP1000® rods but the drawing does not reflect the wider pad.  This CCF will show the wider pad and make the pads interchangeable in all positions.	Rod Handling Between Rod Weigh and Leak Check	ISA-10 ADU Rods
11367	There is a need to be able to sample process water solution at the scrubber heat exchanger.	Install Sample Tap In Process Water Line	When operations receive a high conductivity alarm on the scrubber heat exchanger there is not a place for the solution cooling water to be sampled. Operations are removing a temperature gauge to collect solution.	All Conversion Line Heat Exchangers	ISA-03 ADU Conversion
11368	During the rod handling process, zirc fines are created at the passive gamma scanner on line 7. Zirc fines are highly flammable and require a special vacuum for clean up. In order to satisfy the criticality requirements for the zirc vacuum (Ruwac vacu	IFBA Rod Line Zirc Vac Outlet	With this CCF we will install special twist lock plug and receptacle thats unique to only the Zirc Vac. We will use	IFBA Rod Line 7	ISA-12 IFBA Fuel Rod Manufacturing

CCF-Number	Justification	Title	Description	Location	ISA ID
11369	This section of ventilation duct located directly above the flare stack on SF4C is burned completely through.	Flare Stack Vent Line on SF4C	Replace the degraded section of galvanized duct which vents the Flare Stack on the entrance end of Sintering Furnace 4C. This new section of duct will be 18 GA 304 SS construction with rolled angle flange connections.	Pellet Area / Sintering Furnaces / 3A	ISA-01 Plant Ventilation System
11370	During the annual outage a project was completed to move the traps and strainers in the UF6 bay trench to allow for easier access. However, when the traps were moved the project did not include moving the switch to verify ADUVAP-113. This caused the c	Re-locate switch for blowdown on 101A.	Re-locate the blowdown switch on C-201C vaporizer.	Conversion Line 2	ISA-03 ADU Conversion
11371	Currently there is a strobe lamp to warn of the loader moving, if your back is turned you may not be aware that you are in "harm's way". The addition of an audible alarm will provide another layer of protection.	Loader 2 Motion Alarm	Add audible alarm to Loader 2.	Rod Loader #2	ISA-17 Final Assembly
11372	Currently there is a strobe lamp to warn of the loader moving, if your back is turned you may not be aware that you are in "harm's way". The addition of an audible alarm will provide another layer of protection.	Loader 1 Motion Alarm	Add audible alarm to Loader 1.	Rod Loader #1	ISA-17 Final Assembly
11373	Currently there is a strobe lamp to warn of the loader moving, if your back is turned you may not be aware that you are in "harm's way". The addition of an audible alarm will provide another layer of protection.	Loader 4 Motion Alarm	Add audible alarm to Loader 4.	Rod Loader #4	ISA-17 Final Assembly

CCF-Number	Justification	Title	Description	Location	ISA ID
11374	Currently there is a strobe lamp to warn of the loader moving, if your back is turned you may not be aware that you are in "harm's way". The addition of an audible alarm will provide another layer of protection.	Loader 5 Motion Alarm	Add audible alarm to Loader 5.	Rod Loader #5	ISA-17 Final Assembly
11375	Currently there is a strobe lamp to warn of the loader moving, if your back is turned you may not be aware that you are in "harm's way". The addition of an audible alarm will provide another layer of protection.	Loader 6 Motion Alarm	Add audible alarm to Loader 6.	Rod Loader #6	ISA-17 Final Assembly
11376	FI-507A flow is used as a permissive to operate the scrubber.	ADU Line 5 PLC Changes for Scrubber Permissive	<p>This CCF is for a change to the ADU Line 5 PLC program to allow the BPCS to replace the scrubber flow permissive from FI-507A. The FI-507A transmitter was relocated under a separate CCF.</p> <p>The I/O point to be used is a wired spare, so no field wiring changes will be made. Since the ADU Line 5 PLC contains SSCs, an ITR will be performed to verify that no SSCs are affected.</p>	ADU Line 5	ISA-03 ADU Conversion
11378	Currently the operator send 1 tray to the window and then has to walk back around to the other side of the line to send the next tray since line 1 is so close to the window there is nowhere to queue trays.	Modify drag conveyor to add an additional tray lift button on window side of ADU Rod Line 1	Add two new pushbutton stations, with a selector switch in each, that will control the tray lift at Rod Line 1. Each station will be capable of raising or lowering the tray lift and will operate like three way switches. There will be a red light at eac	ADU rod line 1 drag chain conveyor	ISA-10 ADU Rods

CCF-Number	Justification	Title	Description	Location	ISA ID
11380	CAPs 11-173-C001  The new switch will not allow any rods to transfer from the loading station if any of the 27 spaces in front of the rope cleaner are occupied.	Modify Rod Transfer Switch Block on line 3	Add 1.01" in length to the end of "sensor" part 181.  Also, update drawing for as found condition.	Line 3 Transport	ISA-10 ADU Rods
11381	CAPs 11-173-C001  The new switch will not allow any rods to transfer from the loading station if any of the 27 spaces in front of the rope cleaner are occupied.	Modify Rod Transfer Switch Block on line 4	Add 1.01" in length to the end of "sensor" part 181.  Also, update drawing for as found condition.	Transport line 4	ISA-10 ADU Rods
11382	There are currently no drawings for the existing nylon rod supports so they have been pieced together from other parts.  The frame does not extend far enough for the nylon supports to bolt into it and therefore the nylon parts were breaking at the end.	Line 1 Transport Rod Supports	Create drawings for nylon rod supports as well as added stainless steel supports to provide more stiffness on the ends.	Rod Transport Line 1	ISA-10 ADU Rods
11383	CAPs 11-173-C001  Defects were created from line 1 when a roll pin extended out past the nylon part on a rod lifter at the rope cleaner.  This change will eliminate the carbon steel roll pin.	Modify Lines 3 & 4 Rope Cleaner Lift Block to use nylon dowel instead of steel roll pin	The current rope cleaner lift block is a nylon v block attached to a stainless steel base with a carbon steel roll pin.  This CCF is to replace that roll pin with a nylon dowel pin.	Lines 3 & 4 Rope Cleaner	ISA-10 ADU Rods



CCF-Number	Justification	Title	Description	Location	ISA ID
11384	The old 3" carbon steel process water header is "Out of Service".	Remove Old Process Water Line From ADU Conversion Area	Remove the old 3" carbon steel process water header, line number PRW-060-3"-31CS, that use to supply the ADU Conversion lines. This header was replaced by a new 4" stainless steel process water header, line number PRW-060-4"-31SS.	ADU Conversion Area	ISA-03 ADU Conversion
11385	Existing monitor has failed and parts are not available.	Replace the dew point monitor on Air Dryer DR-7204	Replace the obsolete dew point monitor on Dryer Skid PK-7204 with a Kahn "Easier" transmitter. This monitor is only used for local display.	Air Compressor Room	ISA-01 Plant Ventilation System
11386	PLUG INSERTION INTO HEAVY WALL TUBE FAILS DUE TO A LACK OF FLOW THROUGH THE PLUGGER's PNEUMATIC SUPPLY SYSTEM.	NON-FUEL 6B PLUGGER PIPING MODIFICATION	ENLARGE PIPING TO IMPROVE THE AIR FLOW FOR THE PLUUGER CYLINDER OPERATION.	NON-FUEL ROD ASSEMBLY AREA	Miscellaneous
11389	The mechanical micro-switch design is prone to failure, abuse and mis-adjustment.	Switch/Sensor Modification	Change the current lever action mechanical micro-switch to an electronic prox switch on the ADU RL#1 "part in place" sensing bar. (Prior to the rope clean station.) This will include replacing the supporting brackets and a number of other sensor components.	CFFF, Chemical Area, ADU Rod Line #1, Material Handling	ISA-10 ADU Rods

CCF-Number	Justification	Title	Description	Location	ISA ID
11391	The over pressurization of the lathe chuck and plugger rod clamp have the possibility of damaging the product. EPN-0109463A contains information on product produced since installation of the regulator.	Replace air regulators on rod repair station	Recently an upgrade to the Rod Repair Lathe and plugger on Rod Line 7 was performed. The factory recommended pneumatic regulators proved to be unreliable.  If they have no air flow for long periods of time, the air pressure drifts upward.  We are going to replace both regulators with a different type of regulator that does not drift.	IFBA Rod Line 7 rod repair station	ISA-12 IFBA Fuel Rod Manufacturing
11393	The existing high efficiency filter has a temperature rating of 350 degrees F. The heater is located within close proximity of this filter and the actual temperature near the face of the filter exceeds the temperature rating.	Filter Substitution for Grid Component Wash Tank Dryer	The current filter arrangement downstream of the heater element in the component dryer includes a prefilter and high efficiency filter. This ccf will remove the high efficiency filter and allow for substitution of filters with varying thicknesses and e	Zirc Grid Cleaning and Annealing Room	Components
11394	The Jamesbury valves are more robust and more readily available.	Grinder Coolant System: Valve Replacement	Replace McMaster supplied ball valves with a Jamesbury equivalent	cnt.bowl.2	ISA-08 Pelleting
11395	The current desks are in bad shape and require replacement. The new desk is metal a framed desk with no drawers or cabinets.	Install new desks in IFBA	Replace the existing two desks in IFBA with two new desks. The existing desks are in bad shape and require replacement. Flat panel monitors will be used in each of the work station locations.	In front of coater #2 and Coater #3	ISA-14 IFBA Processing

CCF-Number	Justification	Title	Description	Location	ISA ID
11398	Storage cabinets are needed to store respirator belts and regulators to be accessible to workers for safety.	Chemical Side Respirator Belt&Regulator Cabinet	Set two 36"W X 24"D X 72"H cabinet(store Drager respirator belts and regulators) on the chemical side. Set one near Maintenance Window under the stairwell and the other in UF6 Bay aisle outside of the Compressor Room.	UF6 Bay & Maintenance Shop	Miscellaneous
11399	The replacement is the same dimensions, etc. as the original, it is the manufacturers suggested replacement.	Replacement for cylinder on line 9 AVIS	The cylinder that is used to move the tube into the head at the avis station needs to be replaced. The part number of the current cylinder is no longer available. The replacement is the same dimensions, etc. as the original.	line 9 AVIS station table	Clean Side Rod Area
11412	The current chain offers little to no fall protection when the bulk container room doors are open. Operators must cross in front of the open door in order to prep a bulk container for entry and exit into the room. Replacing the chain with a netting that	Deerstand Fall Safety Improvements	Replace existing hanging chain with a nylon mesh netting that will be affixed to the wall at 4 points covering the width of the door up to approximately 5 feet high.	LN 1 Bulk Container Room (Deerstand)	ISA-08 Pelleting
11413	The current chain offers little to no fall protection when the bulk container room doors are open. Operators must cross in front of the open door in order to prep a bulk container for entry and exit into the room. Replacing the chain with a netting that	Deerstand Fall Safety Improvements	Replace existing hanging chain with a nylon mesh netting that will be affixed to the wall at 4 points covering the width of the door up to approximately 5 feet high.	LN2 Bulk Container Room (Deerstand)	ISA-08 Pelleting

CCF-Number	Justification	Title	Description	Location	ISA ID
11414	The current chain offers little to no fall protection when the bulk container room doors are open. Operators must cross in front of the open door in order to prep a bulk container for entry and exit into the room. Replacing the chain with a netting that	Deerstand Fall Safety Improvements	Replace existing hanging chain with a nylon mesh netting that will be affixed to the wall at 4 points covering the width of the door up to approximately 5 feet high.	LN3 Bulk Container Room (Deerstand)	ISA-08 Pelleting
11415	The current chain offers little to no fall protection when the bulk container room doors are open. Operators must cross in front of the open door in order to prep a bulk container for entry and exit into the room. Replacing the chain with a netting that	Deerstand Fall Safety Improvements	Replace existing hanging chain with a nylon mesh netting that will be affixed to the wall at 4 points covering the width of the door up to approximately 5 feet high.	LN4 Bulk Container Room (Deerstand)	ISA-08 Pelleting
11416	The current chain offers little to no fall protection when the bulk container room doors are open. Operators must cross in front of the open door in order to prep a bulk container for entry and exit into the room. Replacing the chain with a netting that	Deerstand Fall Safety Improvements	Replace existing hanging chain with a nylon mesh netting that will be affixed to the wall at 4 points covering the width of the door up to approximately 5 feet high.	LN5 Bulk Container Room (Deerstand)	ISA-08 Pelleting
11420	The ADU scrap lathe head was replaced with a newer one from IFBA when their entire lathe was replaced. The "new" lathe is setup slightly differently than the old one so ergonomically there is a need to open up the operator access hole.	Widen Scrap Lathe Hood Opening	Open up the operator access hole from 14" x 5" to 17" x 5 adding the extra opening toward the left.	ADU Rod Area Scrap Lathe	ISA-14 IFBA Processing

CCF-Number	Justification	Title	Description	Location	ISA ID
11421	To addresss issues identified as part ANI recommendations and PHA recommendations. Also, to provide ability longer term to replace obosolete PLC by removal of any SSC's from its control.	Hot Oil System #3 Electrical Re-Work	Upgrade the Hot Oil System Electrical as follows: 1) Removal of the Motor Operated Breaker and replace with a Power Splice and refeed to breaker in recently installed panel. 2) Removal of contactors C1 -C7 and relocation of Heater feeds to recently installed panel 3) Removal of existing motor starters for existing Hot Oil Pumps and relocation of pump motor starter feeds to recently installed panel (reference CCF # 11-316) 4) Installation of safety relay and remote E-Stop (located in ADU Control Room) 5) Installation of Automatic Actuators onto recently installed Hot Oil Valves as part of the new E-Stop Circuit. 6) Demolition of existing E-Stop and wiring for Hot Oil System #3 7) Demolition of unused Pilot Lights in existing Hot Oil System #3 Control Panel. 8) Elimination of identified SSC's controlled via the Numalogic PLC (The	Chemical Area- Hot Oil Room	ISA-03 ADU Conversion
11422	The justification for changing and relocating gauges are standardization and safety concerns.	Helium/Argon Flow Controls Change and relocate	On Tube Prep line 8, Helium and Argon CFH controls need to be upgraded to a diffrent type of control due to current controls are not consistence with others in plant. Also, gauges need to be relocated due to several safety concerns for operators having	Tube Prep line 8	Components

CCF-Number	Justification	Title	Description	Location	ISA ID
11423	<p>1. Standardization with Nanmac thermocouples used on 1A-C, 2A, 2C, 3A, 4A, 5A &amp; 5B furnaces. These thermocouples are identical except for length. The A12A-Q5611 is 68 in. long, and the A12A-3-48-C-DPX-10HF is 48 in. long.</p> <p>No electrical changes are required.</p> <p>SSC's affected: Zone 2 - PELSINT-903, 904, 905, &amp; 908; Zone 1 &amp; 3 PELSINT-914</p> <p>Changes similar to CCF 10044, Part 7 &amp; CCF 11169, Part 1.</p> <p>2. Purges not used.</p> <p>Changes similar to CCF 10044, Part 8 &amp; CCF 11169, Part 2.</p> <p>No SSC's affected.</p> <p>3. Old dew point measurement system not used</p>	4C Thermocouple and Piping Modification	<p>1. Change 4A furnace "hot" zone thermocouples from Nanmac A12A-Q5611 to Nanmac A12A-3-48-C-DPX-10HF.</p> <p>2. Remove Maintenance Purge and Radiation Pyrometer Sight Port flow meters and associated piping.</p> <p>3. Remove valves/piping for old dew point measurement system.</p>	ADU Pelleting / 4C Sintering Furnace	ISA-08 Pelleting
11424	The door to the LECO must remain closed. When the equipment is running it becomes a little loud in the room, resulting in the operators inability to hear the announcements. The addition of this speaker will increase the safety of operators in the room.	Fire Alarm speaker for LECO Room	Add a Fire Alarm Speaker in the Chem. Lab LECO Room	Chem. Lab LECO Room	ISA-18 Laboratories

CCF-Number	Justification	Title	Description	Location	ISA ID
11425	Reduce intervention by ChAMPS and HMI programmers.	Line 1 Moisture Sampler Resync	The moisture sampler PLC programming will be modified to provide functionality that will allow the operator to resynchronize the HMI pack count and the ChAMPS pack count	moisture sampler	ISA-03 ADU Conversion
11426	Reduce intervention by ChAMPS and HMI programmers.	Line 2 Moisture Sampler Resync	The moisture sampler PLC programming will be modified to provide functionality that will allow the operator to resynchronize the HMI pack count and the ChAMPS pack count	moisture sampler	ISA-03 ADU Conversion
11427	Reduce intervention by ChAMPS and HMI programmers.	Line 3 Moisture Sampler Resync	The moisture sampler PLC programming will be modified to provide functionality that will allow the operator to resynchronize the HMI pack count and the ChAMPS pack count	moisture sampler	ISA-03 ADU Conversion
11428	Reduce intervention by ChAMPS and HMI programmers.	Line 4 Moisture Sampler Resync	The moisture sampler PLC programming will be modified to provide functionality that will allow the operator to resynchronize the HMI pack count and the ChAMPS pack count	moisture sampler	ISA-03 ADU Conversion
11429	Reduce intervention by ChAMPS and HMI programmers.	Line 5 Moisture Sampler Resync	The moisture sampler PLC programming will be modified to provide functionality that will allow the operator to resynchronize the HMI pack count and the ChAMPS pack count	moisture sampler	ISA-03 ADU Conversion
11430	This modification will allow for the future installation of the radiation shield documented in CCF 11332.	Gamma Scanner #4 Conduit Relocation	Relocate several runs of conduit on the operator side of Gamma Scanner #4. Relocate the wire tray stanchion located at the SW corner of GS#4 South.	Gamma Scanner #4	ISA-10 ADU Rods

CCF-Number	Justification	Title	Description	Location	ISA ID
11431	<p>1. Standardization with Nanmac thermocouples used on 1A-C, 2A, 2C, 3A, 4A, 4C, 5A &amp; 5B furnaces. These thermocouples are identical except for length. The A12A-Q5611 is 68 in. long, and the A12A-3-48-C-DPX-10HF is 48 in. long.</p> <p>No electrical changes are required.</p> <p>SSC's affected: Zone 2 - PELSINT-903, 904, 905, &amp; 908; Zone 1 &amp; 3 PELSINT-914</p> <p>Changes similar to CCF 10044, Part 7, CCF 11169, Part 1 &amp; CCF 11423, Part 1.</p> <p>2. Purges not used.</p> <p>Changes similar to CCF 10044, Part 8, CCF 11169, Part 2 &amp; CCF 11423, Part 2.</p> <p>No SSC's affected.</p> <p>3. Old dew point measurement system not used.</p> <p>Changes similar to CCF 11195, Part 6</p>	3C Thermocouple Modification	<p>1. Change 3C furnace "hot" zone thermocouples from Nanmac A12A-Q5611 to Nanmac A12A-3-48-C-DPX-10HF.</p> <p>2. Remove Maintenance Purge and Radiation Pyrometer Sight Port flow meters and associated piping.</p> <p>3. Remove valves/piping for old dew point measurement system.</p>	ADU Pelleting / 3C Sintering Furnace	ISA-08 Pelleting
11434	Improved safety -- Greenbook Incident ID: 30453.	T-41 Piping Modifications	Modify the piping from T-41 to T-1110/1111 to replace the low hanging drain valve with blind flange and eliminate the unused gate valve.	URRS / Tank Farm	ISA-06 Chemicals Receipt, Handling and Storage



CCF-Number	Justification	Title	Description	Location	ISA ID
11435	<p>1. Per the cylinder and solenoid manufacturer, air lubrication is not required for cylinder and solenoid operation. This also alleviates the need to maintain lubricators that are not easily accessible. Dilapidated OEM regulator needs to be replaced. Filter is needed to prevent debris from entering regulator and solenoids.</p> <p>2. Provides ability to check natural gas pressure at an individual furnace. Plug valve is to provide gas pressure isolation to replace gage when needed.</p> <p>3. Provide method to relieve pressure from door supply line for LOTO.</p> <p>4. Provide method to tie-in calibrated gage to verify proper magnehelic gage reading.</p> <p>5. Provide improved viewing of main pusher operation.</p> <p>6. Provide material with higher</p>	4C Furnace Piping & Mechanical Modifications	<p>1. Remove lubricators from door cylinder air supply lines. Replace OEM regulator with Norgren regulator(S/R # 35040). Add Norgren filter(S/R # 35143) to supply line. See attached Norgren documents for regulator/filter specifications. Ref. CCF 10044, Part 1 &amp; CCF 11195, Part 1 for similar change.</p> <p>2. Add pressure gage to natural gas inlet line. See attached McDaniels document for gage specifications. Add plug valve prior to pressure gage. See attached Swagelok document for plug valve specifications. Ref. CCF 10044, Part 2 &amp; CCF 11195, Part 2 for similar change.</p> <p>3. Add valve to door cylinder air supply line. See attached Jamesbury document for valve specifications. Ref. CCF 10044, Part 3 &amp; CCF 11195, Part 3 for similar change.</p> <p>4. Add port to entrance and exit end furnace pressure monitoring lines. Ref.</p>	ADU Pelleting / 4C Sintering Furnace	ISA-08 Pelleting
11436	Two of the main duct lines are blanked off in the ceiling and the other is open(not tied to anything) to the room. Duct use to be tied to a ventilation hood. It is running wasting energy and affecting room temperature.	Removal of WABA Room Exhaust Fan unit	Remove WABA Room Exhaust Fan Unit and duct from roof and ceiling.	WABA Room	ISA-01 Plant Ventilation System

CCF-Number	Justification	Title	Description	Location	ISA ID
11438	The current pass through configuration prevents the (new) tube carts from projecting into the chemical area more than a few inches. This causes the operators unloading the carts to work right in the area of the opening itself. This has been the cause	Pass Through Modification	Modify the size/configuration of the tube pass through between the mechanical and chemical areas (between Line 9 and Rod Weigh) to allow for the tube carts to project further through the opening. (Current PT opening is roughly 1885 sq-in with a velocit	CFFF, Mechanical/Chemical Area Pass Through	ISA-10 ADU Rods
11439	This will allow for easier procurement of O-rings to the current standards.	Rotational Roller O-ring Call Out Change, IFBA Repair Lathes, Lines 5 and 7	Provide a more standard O-ring callout for the replaceable rotational rolling surfaces on IFBA Rod Lines 5 and 7 Repair Station pop-up supports. (As installed under CCFs 11-143 and 11-240.) The callout shall be for a Nitrile O-ring with a Shore A hardness of 90. (Typically called out per the O-ring standards as 2-214 N90 D (Black) for the typical 1.00" ID, 1.25" OD O-ring.)	CFFF, IFBA Lines 5 and 7, Repair Lathe Stations	Miscellaneous
11440	Currently we have a 240V circuit that will need to be downgraded to 120V circuit sufficient for the new Toshiba printers that require 20 amp outlets.	Power Upgrade for New Toshiba Printers (PCLA079A)	Change 240V circuit to 120V circuit to have available 20 amp outlets in area.	First floor office, New expansion, Zone 2	Miscellaneous
11441	Currently we have a 240V circuit that will need to be downgraded to 120V circuit sufficient for the new Toshiba printers that require 20 amp outlets.	Power Upgrade for New Toshiba Printers (PCLA099A)	Change 240V circuit to 120V circuit to have available 20 amp outlet in the area.	Customer Conference Rooms and Print Room (Zone 1)behind Human Resources	Miscellaneous
11443	Bishop-Wisecarver V-Wheel #W2 is not longer made, the W2X is the closest replacement. It has sealed instead of shielded bearings.	Add Substitute V-Wheel for Item 118	Add Bishop-Wisecarver V-Wheel #W2X as an option for item 118 for both lines 3 and 4.	Lines 3 and 4 in ADU Rod Area	ISA-10 ADU Rods

CCF-Number	Justification	Title	Description	Location	ISA ID
11447	<p>This vision system replaces the manual eye piece (scope) and has the following benefits.</p> <p>The operator does not have to lean over to view the electrode location. There is less strain on the operator when looking at anything with two eyes than in a scope using one eye. The magnification along with the 7" LCD screen make is greater and easier to adjust the vision system versus a scope. This makes it easier to view and position the Rod and electrode. It is easier to see a parameter outage. The customer and area engineer can see the operators setup.</p>	Rod Weld Chamber Camera System	This CCF is for set-up of the electrical drawings for the new vision system to be placed in Non-Fuel on the Rod Weld Chambers to replace the manual eye piece (scope). Unit will be powered from a standard 120VAC receptacle. A separate CCF will be issue	Non Fuel and Waba Welders	Components
11448	<p>The model number of the conductivity probe in the final Assy. rinse tank is unable to be determined. The probe is old and becoming erratic. We have tested the Rosemount model 400-12 (storeroom # 150180) with the existing transmitter and the readings are accurate. The proposed probe is basically the same form, fit, and function as the probe it will replace.</p>	Substitute Conductivity Probe for Final Assy. Rinse Tank	Substitute the Conductivity Probe for Final Assy. Rinse Tank to a Rosemount model 400-12	Final assembly final rinse tank	ISA-17 Final Assembly

CCF-Number	Justification	Title	Description	Location	ISA ID
11449	Operators said current bead blaster is physically uncomfortable to perform their jobs safely.	Machine Shop Bead Blaster Replacement	Replace N200 Cyclone Bead Blaster with a self contained Blast-It-All Bead Blaster. New bead blaster will not be connected to torit like the N200 Cyclone Bead Blaster.	Machine Shop	Miscellaneous
11450	Air pressure regulators (plant and instrument air) tend to be "generic" in nature. We use a variety of manufacturers in the plant. It should not be necessary to have an exact replacement as long as we have a unit which is the form fit and function. this procedure will define the criteria for "like kind substitution".  See Attachment	Add Air Pressure Regulator substitution to MCP-202174	Modify MCP-202174 to include air pressure regulators	plantwide (non-SSC)	Miscellaneous
11451	Existing unit is obsolete and no longer available.	Watlow Controller Substitution for Heat Treat Furnace	Substitute existing obsolete Watlow controller model 935A with the vendor recommended replacement model PM3C1CC.	Heat Treat Furnace in the Tool room	Miscellaneous
11452	This change was recommended as action items 62 & 63 in LOPA Report 125.003 Rev A dated March 2005.  Controls will be modeled after SSC ADUPCP-401 x05 Pump interlock to prevent ammonium nitrate explosion.  This change is similar to CCF 10-765, 10-766, 10-767 and 10-768.	Upgrade SSC ADUSCR-404 and ADUX12-401 for Line 1 Pumps	Upgrade SSC ADUSCR-404 Low flow on discharge of pump P-111A, P-111B, P-131A, P-131B, P-131C, and P-131D from a flow switch based interlock to a High pump temperature interlock.  Upgrade SSC ADUX12-401 Low flow on discharge of pump P-112A and P-112B from a flow switch based interlock to a High pump temperature interlock.	Pumps P131A/B/C/D, P111A/B and P112A/B	ISA-03 ADU Conversion

CCF-Number	Justification	Title	Description	Location	ISA ID
11454	Currently the electrical connections to the two rod tracking computers for line 6 are run across the floor to one station then overhead (without conduit) to the other station. This condition creates a tripping hazard and the overhead power routing is	Re-route wiring to rod tracking computers for line6 in the Non-Fuel Area	The current computer support arms (3"x3"post) for the rod tracking computer stations (2 ea.)are about 6.5 ft tall. This CCF will allow us to replace the 6.5'post with an 8' post and run the wiring overhead.	Non-Fuel Pipe Bridge at lines 6	Components
11456	To protect equipment and machinery(Backhoe, Frontend Loader etc.) from weather conditions.	Installation of Utility Shed	Construct two 30'x60' side by side equipment sheds attached to existing 60'x60' concrete pad. Sheds will have 11' legs 4' on center with lowest point at entrance eave of 13'2" and approximately 17' at each peak. Total covered area is 60'x60'.	Across from Tractor Shed	Grounds
11457	To eliminate equipment damage caused by freezing temperature -- CAPs commitment # 11-018-C004.01.	Still 2 Level Indications	Modify the level transmitter mounting configuration on HX-1180, T-1181, T-1177, and T-1178 to eliminate the use of water -- replace the fill fluid in the reference leg with inert oil, Halocarbon.	URRS Outside Still 2	ISA-06 Chemicals Receipt, Handling and Storage

CCF-Number	Justification	Title	Description	Location	ISA ID
11458	There is a safety concern with electrical panel covers. When removing the covers they are awkward and heavy. There is also a risk of electrical shock due to exposed conductors while the cover is being removed or installed. Many locations require the electricians to work from ladders and have to "reach" to remove the covers. The hinges will allow the electricians to "swing" cover open instead of having to "man-handle" them.	Install Hinges on Electrical Panel covers.	Install Hinges on the covers for Electrical Panels (Power Panels and Receptacle Panels). This CCF will allow us to add hinges to the covers to eliminate the risk.	Electrical panels throughout the plant	Miscellaneous
11461	Allow prework and pre-wiring to reduce the outage window when these valves are activated and put into service.  This CCF is similar to CCF 10-741.	Install Blocking Valves for Line 1 Precipitator	Install blocking valves to be activated under CCF 11-460 at a later date. These valves will be left in open position so they do not change how the precipitator operates currently. The new valves will be used to upgrade the precipitator SSCs from SIL 1 t	Line 1 Precipitator	ISA-03 ADU Conversion
11462	Per Green Book 30269, the food disposal in the Kitchen is a 480 VAC, 3 phase motor. The disposal is operated by a rotary drum switch. In other words, the operator is actually switching the 480 VAC to control the disposal. The disposal is on a 30 amp bre	Kitchen Garbage Disposal Switch	With this CCF, we will be installing a remotely located control panel with a 480 VAC, 3 phase contactor to be controlled by a locally mounted 24 VDC switch. The operator will only be operating the 24 VDC switch to operate the disposal.	Kitchen Dishwasher Garbage Disposal	Miscellaneous
11466	CURRENTLY THERE ARE NO FIRE DETECTION DEVICES IN THIS ROOM. ADDING THESE HEAT DETECTORS SHOULD IMPROVE THE RESPONSE TIME SHOULD THERE BE A FIRE IN THE ROOM.	ZIRC STRAP CLEANING ROOM HEAT DETECTORS	INSTALL (2) FIRE ALARM HEAT DETECTORS IN THE ZIRC STRAP CLEANING & ANNEALING ROOM. The ITR is attached in the PSEDoc	ZIRC STRAP CLEAN & ANNEAL ROOM	Components

CCF-Number	Justification	Title	Description	Location	ISA ID
11467	<p>This will eventually allow communication of the rod disposition status to the Gamma Scanner #3 PLC. In a future change to the Gamma Scanner #3 PLC the disposition will determine the wait time before the rod is removed from the belt. This will allow for visual determination of the disposition and reduce handling of the rods.</p> <p>This is being implemented to reduce the radiation dose of the gamma scanner operator.</p>	Gamma Scanner #3 Wiring	Install new communication wiring to the Gamma Scanner #3 PLC from the acquisition PLC.	Gamma Scanner #3	ISA-10 ADU Rods
11468	<p>The 5 year recertification is a condition of the NRC accepted SAR for the Traveller Shipping Packaging. An electrical outlet in the storage area is needed to provide power for the up-ender.</p> <p>The electrical outlets in the refurbishment bays are needed for portable welders when repairs are needed.</p>	Powered Up-ender for Patriot Building	A powered up-ender is to be installed in the Patriot Building. The powered up-ender is to be used for the Traveller 5 year recertification. Also, 480V ewlectrical outlets are to be installed for the powered up-ender and for welders. The portable welders	Patriot Building	Grounds
11472	The disaster recovery racks have been relocated. This added power is required to meet the disaster recovery requirements for these racks.	DR Room Power Addition	<p>Rack 50, Power Supply # 4, ERP-5AH, circuits 39 and 41</p> <p>Rack 52, Power Supply # 2, ERP-5AH, circuits 28 and 30</p>	Disaster Recovery Room in the Data Center	Miscellaneous

CCF-Number	Justification	Title	Description	Location	ISA ID
11476	The existing hopper suffers from stress fractures around the vibrator mount.	Hopper replacement on FL-150 dust collector on Conversion Line #1	Replace the hopper on dust collector FL-150 on Conversion Line #1. 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	Conversion Line 1	ISA-01 Plant Ventilation System
11479	<p>This will eventually allow communication of the rod disposition status to the Gamma Scanner #4 PLC. In a future change to the Gamma Scanner #4 PLC the disposition will determine the wait time before the rod is removed from the belt. This will allow for visual determination of the disposition and reduce handling of the rods.</p> <p>This is being implemented to reduce the radiation dose of the gamma scanner operator.</p>	Gamma Scanner #4 Wiring	Install new communication wiring to the Gamma Scanner #4 PLC from the acquisition PLC.	Gamma Scanner #4	ISA-10 ADU Rods
11481	THE EXISTING SWITCH ASSEMBLIES ARE IN POOR CONDITION WHICH CAN CAUSE ISSUES WITH THEIR OPERATION. WHEN THEY MALFUNCTION, RODS CAN BE TRANSFERED ON TOP OF EACH OTHER AND THIS CAN RESULT IN DAMAGED PRODUCT.	ADU ROD LINE TRANSPORT SWITCH	DESIGN AND INSTALL A NEW (AREA) SWITCH ASSEMBLY FOR THE ADU #1 ROD LINE BETWEEN THE VIBRATORY TABLE AND ROPE CLEAN STATION. (THIS IS FOR THE MECHANICS OF THE SWITCH ONLY. MOUNTING OF THE ELECTRICAL (PROX) SWITCH AND INTEGRATION OF THE SWITCH INTO THE	CFFF, CHEMICAL AREA, ADU ROD LINE 1	ISA-10 ADU Rods



CCF-Number	Justification	Title	Description	Location	ISA ID
11483	This is a temporary substitution to determine an acceptable level and life of filtration for the recycled water.	Recycle Water Filter Substitution	The current filter sizes for the pre and post recycle water filters are 25 micron and 1 micron respectively. This ccf will allow substitution of filters of different micron levels. The existing filter housings and plumbing will not be changed. These	Laser #6 in the Grid Welding Area	ISA-01 Plant Ventilation System
11485	Debris left in the catch pan has caught fire in the past. In order to accomodate the lower catch pan the vaccum needs to be moved from directly underneath the catch pan.	New Tiger-Vac setup for Oxide Coater 2 polish station.	The catch pan for the polish station has been redesigned with steeper angles to help the debris fall. We will be removing the current connection and replacing it with the factory connection and hose for the top of the Tiger-Vac. This is similar to the	Oxide Coater 2	ISA-14 IFBA Processing
11487	Mechanical switch is less reliable. The prox. switch will be an upgrade.	Replace micro Switch with Proximity switch on Coater-1 Drum Rotate signal	Replace micro Switch with a Proximity switch on IFBA Coater-1 Drum Rotate signal.	IFBA Coater #1	ISA-14 IFBA Processing
11488	Air compressor #2 is continually online, currently we only get an alarm if there is a fault; we want an indication that it is not running.	Change Maint. Alarm Panel Air Compressor-2 fault to Not Runing.	Rewire the Air Compressor 2 alarm contact from compressor fault to compressor not running.	Air Compressor #2 in equipment Room by grid strap cleaning	Components
11490	Isolate the process water systems and hoses from the city water system. Safety shower/eye wash station tied into common feed.	Plating Room City Water Modifications	Install a Watts 1" Back Flow Preventer in the city water feed to the strip tank. Remove obsolete city water piping behind tanks. Install Watts Series 8 Hose Connection Vacuum Breakers on all hose connections in the plating room.	Plating Room	Miscellaneous

CCF-Number	Justification	Title	Description	Location	ISA ID
11491	Operators have raised safety concerns about keeping contaminated scrap exposed while awaiting its entry into the furnace. Currently, they use lids designed for the pellet pans, which do not cover well and have a risk of getting pushed into the furnace w	Moly Boat Lid	A lid to be used at the front of the sintering furnaces to cover contaminated scrap boats prior to entry into the sintering furnace.	Pellet Area Sintering Furnaces	ISA-08 Pelleting
11492	liquid has gotten under the plate and seeps up when someone steps on it. The plate needs to be removed to determine extent of damage to the floor.	remove SS washing machine plate	remove the stainless steel plate in the floor in front of the washing machine.	washing machine	ISA-11 Scrap Uranium Processing
11493	See PRF-1000611, this is a safety issue and a maintenance issue because of frequent calls. This vision system replaces the manual eye piece (scope) and has the following benefits. The operator does not have to lean over to view the electrode location. There is less strain on the operator when looking at anything with two eyes than in a scope using one eye. The magnification along with the 7" LCD screen make is greater and easier to adjust the vision system versus a scope. This makes it easier to view and position the Rod and electrode. It is easier to see a parameter outage. The customer and area engineer can see the operators setup.	Waba #1 Weld Chamber Eye Piece Sensor and Camera installation.	WABA #1 Weld: Install a new eye piece sensor on sight glass to prevent the weld controller from starting a weld if eye piece is opened. This welder does not currently have this feature. The new camera system will be installed to replace the scope (eye piece) that is currently installed. The new camera will be connected to a 7" LCD monitor to allow improved adjustment of the electrode to the Rod.	Waba #1 Welder	Components

CCF-Number	Justification	Title	Description	Location	ISA ID
11494	<p>This vision system replaces the manual eye piece (scope) and has the following benefits.</p> <p>The operator does not have to lean over to view the electrode location. There is less strain on the operator when looking at anything with two eyes than in a scope using one eye. The magnification along with the 7" LCD screen make is greater and easier to adjust the vision system versus a scope. This makes it easier to view and position the Rod and electrode. It is easier to see a parameter outage. The customer and area engineer can see the operators setup. .</p>	Waba #5 Weld Chamber Eye Piece Sensor and Camera Installation.	Waba #5: Install a new eye piece sensor on sight glass to replace the old molded cable sensor. The new camera system will be installed to replace the scope (eye piece) that is currently installed. The new camera will be connected to a 7" LCD monitor to allow improved adjustment of the electrode to the Rod.	Waba Weld #5	Components

CCF-Number	Justification	Title	Description	Location	ISA ID
11495	<p>This vision system replaces the manual eye piece (scope) and has the following benefits.</p> <p>The operator does not have to lean over to view the electrode location. There is less strain on the operator when looking at anything with two eyes than in a scope using one eye. The magnification along with the 7" LCD screen make is greater and easier to adjust the vision system versus a scope. This makes it easier to view and position the Rod and electrode. It is easier to see a parameter outage. The customer and area engineer can see the operators setup.</p>	Non Fuel Line 6 Bottom End Weld Chamber Eye Piece and Camera Installation	<p>Non Fuel Line 6 Bottom End: Install a new eye piece sensor on sight glass to replace the mechanical switch one.</p> <p>The new camera system will be installed to replace the scope (eye piece) that is currently installed. The new camera will be connected to a 7" LCD monitor to allow improved adjustment of the electrode to the Rod.</p>	Non Fuel Line 6 Bottom End Welder	Miscellaneous

CCF-Number	Justification	Title	Description	Location	ISA ID
11496	This vision system replaces the manual eye piece (scope) and has the following benefits. The operator does not have to lean over to view the electrode location. There is less strain on the operator when looking at anything with two eyes than in a scope using one eye. The magnification along with the 7" LCD screen make is greater and easier to adjust the vision system versus a scope. This makes it easier to view and position the Rod and electrode. It is easier to see a parameter outage. The customer and area engineer can see the operators setup.	Non Fuel Line 6 Top End Weld Chamber Eye Piece Sensor and Camera Installation	Non Fuel Line 6 Top End: Install a new eye piece sensor on sight glass to replace the current mechanical switch. The new camera system will be installed to replace the scope (eye piece) that is currently installed. The new camera will be connected to a 7" LCD monitor to allow improved adjustment of the electrode to the Rod.	Non Fuel Line 6 Top End	Components
11497	Room is cluttered and disorganized mainly due to amount of obsolete equipment. Some 5S improvements have been made but to further improve, need to open up the room. Excess equipment causes clutter which can lead to safety incidents.	Plating Room Obsolete/Out-Of-Service Equipment Demolition	Remove obsolete/out-of-service equipment from the plating room. Demolition to include 'A' tank, 'A' tank control cabinet including conduit and wire, waste trough transfer pump and air supply piping, piping from transfer pump to tank, remove wire tray an	Nickel Plating Room	Components
11498	The existing piping feeds over to the anhydrous ammonia converter and back to the T-2, T-3 and T-4 tanks. With the elimination of the anhydrous ammonia tank and converter the piping needs to be rerouted to eliminate obsolete legs and valves.	Ammonia Feed Piping Modification to T-2, T-3 & T-4	Modify the feed piping from the ammonia distillation stills to the T-2, T-3 and T-4 tanks. New piping to drop out of pipe rack down to a new valve header located below the T-2, T-3 and T-4 level readouts and then back to each tank respectively.	URRS - Tank Farm	ISA-06 Chemicals Receipt, Handling and Storage

CCF-Number	Justification	Title	Description	Location	ISA ID
11499	Dubois ACG-2 grease is recommended by the manufacturer(Moyno, Inc). The Royal Purple grease is not compatible with the EPDM seal used in the Moyno Pump and results in premature failure of the seal.	P-1160A & B Moyno Pump Lubrication Change	Change Moyno Pump(P-1160A & B) bearings, gear joints and packing lubrication from Royal Purple UPG grease to Dubois ACG-2 grease.  Ref. the attached Technical Data Sheet and MSDS for Dubois ACG-2 grease.	Waterglass \ 1160A & B	ISA-15 URRS Wastewater Treatment System
11501	Use non-hydrogenous grease at these locations.	IFBA Dry Box Lubrication Change	Change lubricant from Apezion "L" High Vacuum Grease(S/R # 43021) to Halocarbon 25-10M(S/R # 725161) Grease at the following locations:  Vacuum Oven #1 & #2  Drying Oven Trolley Drive Exit Door Lift Exit Trolley Drive Exit Door Shutter	IFBA \ Dry Box	ISA-14 IFBA Processing
11504	A permanent lift point is needed for the blower.	Laser #6 Scrubber Lift Point	Install a permanent lift point for the vacuum blower for Laser #6 scrubber.	Next to Laser Welder #6	Miscellaneous
11505	Make all lines standard (Ln. 1-4)	ADU Rodline Bladder hold down control	On ADU Rodline #2 hold down bladders pressure is being controlled by rod pusher regulator pressure. All other rodlines are controlled by a seperate regulator. Install a regulator to control bladders.	ADU Rods	ISA-10 ADU Rods

CCF-Number	Justification	Title	Description	Location	ISA ID
11506	Lubrication requirements are not currently shown in MCP-108121 for the IFBA Coater and Vacuum Oven cooling water pumps.  Note: Lubrication requirements for the Goulds, Durco and Chesterton pumps are already listed for other Area equipment(Conversion, URRS, etc.) in MCP-108121.	IFBA Cooling Water Pump Lubrication	Add lubrication requirements to MCP-108121 for IFBA Coater and Vacuum Oven cooling water pumps. These pumps(Goulds, Durco or Chesterton) use Royal Purple Synfilm 68(S/R # 43102) as a bath to lubricate the pump bearings.	IFBA \ 1 - 8 Coaters & 1 -3 Vacuum Ovens	ISA-14 IFBA Processing
11512	New switch block is just a little bit short to assure that the table will not transfer with 1 rod next to the rope cleaner lifters.	Add additional length to Rod Transfer Switch Block on line 3	Add approx. an additional 1/4" to the transfer switch block.	Line 3 loading transfer	ISA-10 ADU Rods
11513	New switch block is just a little bit short to assure that the table will not transfer with 1 rod next to the rope cleaner lifters.	Add additional length to Rod Transfer Switch Block on line 4	Add approx. an additional 1/4" to the transfer switch block.	Line 4 loading transfer	ISA-10 ADU Rods
11515	There are concerns of the cleanliness and quality of water. There were complaints that the water was brown. Installation of water softner and new lines will provide clean and high quality water.	Installation of Water Softner to Men's Change Rm	Install water softner system and new pvc lines that will supply clean water to: 1st & 2nd floor Men's Change Rm, water fountains near Medical office and Chem Lab, outside of Equipment Rm 1 and Computer Rm office.	Men's Change Rm	Miscellaneous
11516	The lifting beams in use today do not have readily available certification information.	Replace UF6 cylinder lifting beams	Replace UF6 cylinder lifting beams (in cylinder wash and cylinder recertification) with new, rated lifting beams.	Cylinder wash, cylinder recertification	ISA-09 UF6 Cylinder Wash

CCF-Number	Justification	Title	Description	Location	ISA ID
11517	Temporary cover of peeling/flaking coating on the walls of the outer final assembly wash pit.	Final Assembly Wash Pit Temporary Liner	Install a temporary liner on the inside walls of the final assembly wash pit to cover peeling/flaking coating. Temporary liner to be maximum 10 mil fire retardant plastic. Material to be retained at the top by extending under grating and having a 1/4" steel round stock rolled in the plastic and retained with wire ties. Bottom edge to contain 1/4" round stock rolled in and retained with wire ties to assist in maintaining shape and hanging straight. Bottom edge to hang a minimum of 12" below the lower fuel assembly resting plate.	Final Assembly Wash Pit	ISA-17 Final Assembly



CCF-Number	Justification	Title	Description	Location	ISA ID
11527	One of the ways to achieve a lower load is to reduce the volume of water moved by the pump. We want to reduce the impeller size to 7" (see attachment 2) The pump curve shows a lower kw and hp requirement. It will reduce the pressure head from 270 ft to 210 ft. This is ideal for us because we feel we are generating excessive pressure and caused vibration that contributed to piping failure. It seems that we should still have adequate pressure to push the liquid to waterglass storage. The results was very satisfactory after the impeller was completed on P-118B.	P-216B impeller diameter reduction	Data taken on Q tank P-216B pump is pulling 12-14 amps (see attachment 1). The pump motor is rated at 11.4 amps. The pump is 1 x 1.5-8 with an 8" full impeller. Therefore we need to reduce the load of the pump. The overload actually tripped the motor out. The reduction of impeller size on P-116B was completed a month ago actually eliminated the pressure surge and vibration problems on our pipe line.	216 series Q tank	ISA-03 ADU Conversion
11530	The existing Miller Fluid Power solenoid is obsolete.	UT2 Blow Off Solenoid Replacement	We will be replacing the Miller 3501-S-NC with an ASCO #8210G002. The ASCO is a storeroom setup part.	UT2 in QC rod on the Mechanical side	ISA-10 ADU Rods
11531	Current controls are unreliable and depend on the operator remembering to turn off the water fill solenoids, to prevent overflowing	Final Assembly Wash tanks, Control upgrade	Upgrade the final assembly wash tanks level controls.	Final Assembly wash tanks	ISA-17 Final Assembly
11536	Required per 10 CFR 2.390	11536 Safeguards	Address issue pertaining to physical protection	CAA	Grounds
11537	Provides an accessible filter to capture particulate that passes through the scrubber prior to reaching the vacuum blower pre-filter.	Install Scrubber Post Filter	Install a filter between the laser #6 scrubber and vacuum blower.	Grid Welding Area	ISA-01 Plant Ventilation System

CCF-Number	Justification	Title	Description	Location	ISA ID
11539	NITROGEN WILL ACCOMPLISH THE SAME RESULT AT A MUCH LOWER COST FOR THIS SERVICE.	NEW NITROGEN BLOW-OFF AT NON-FUEL AREA STATION #6B	ROUTE NEW NITROGEN LINE TO NON-FUEL STATION #6B. MOVE BLOW-OFF NOZZLE FROM EXISTING HELIUM LINE AND INSTALL ON NEW NITROGEN TUBING. PLUG EXISTING HELIUM LINE.	NON-FUEL AREA AT ROD LINE 6 TOP END WELDER STATION #6B	Clean Side Rod Area
11540	Replacement Toshiba printers require 120 volt circuit.	120V receptical for printer PCLA025A	Change the current 208V receptical to a 120V receptical for printer PCLA025A.	Plant Systems Engineering	Miscellaneous
11542	Currently, to reset a fault on the light screen, an electrician needs to be called to perform the reset function. By moving it to the door, an operator can reset the fault. The reset function will not work if the fault remains. In this case an electr	Light Screen Reset Button	On IFBA Line 7 Repair Lathe, relocate the Light Screen Reset from inside the PLC enclosure to front door of the enclosure.	IFBA Rod Line 7 Rod Repair Lathe	ISA-12 IFBA Fuel Rod Manufacturing
11547	The end of the beam scrapes past the ventilation duct above the wet hood, which could damage equipment	Shorten decon room crane	The beam on the crane in the decon room will be shortened by an inch to avoid contacting the ventilation duct above the wet hood while travelling north-south.	conversion decon room	ISA-11 Scrap Uranium Processing
11550	This change will allow for testing to increase overall capture efficiency of the scrubber.	Laser #6 Venturi and Nozzle	This ccf will allow substitution of venturis of varying throat diameters and nozzles of varying flowrates to increase the capture efficiency of the scrubber.	Laser #6 in the Grid Welding Area	Components
11552	There are no spare circuits in RP panels in substation 6. Spares are needed for the new mobile DI water installaion.	New RP Panel in substation 6	A new RP Panel in substation 6 will be installed.	substation 6	Miscellaneous

CCF-Number	Justification	Title	Description	Location	ISA ID
11553	Currently we have a 240V circuit that will need to be downgraded to 120V circuit sufficient for the new Toshiba printers that require 20 amp outlets.	Power Upgrade for New Toshiba Printers (PCLA083A)	Change 240V circuit to 120V circuit to have available 20 amp outlet in the area.	Customer Offices	Miscellaneous
11554	Safety - Add additional light at the entrance of the overflow parking lot.	Parking Lot Light Fixture Modification	It was requested that additional light be added at the entrance to the renovated overflow parking lot entrance. This CCF will cover replacing the single arm and fixture on an existing light pole with a double arm and fixture.	road leading to parking lots	Grounds
11556	The PA System speaker in the Product Storeroom area is very loud and echoes off of the racks of tubes, causing it to be difficult to understand the announcements. Lowering the volume is believed to help. Testing will be made and if required, further necessary actions will be taken.  Reference CAPs 11-187-C002.02 Reference ITR on attached PSEDoc000056	Adjust PA speaker volume	Lower the setting of the volume on a PA System speaker in the Product Storeroom area.	Product Storeroom	Miscellaneous
11558	The anchor bolts have sheared and are no longer supporting the dryer	line 1 dryer base support	install a carbon steel reinforcement plate between the dryer base on the feed end, and the concrete pier under it.	line 1 dryer	ISA-03 ADU Conversion
11559	Required by CSE-99-G	Temporary installation/removal of plastic sheet on ADU rod lines	Install plastic sheeting over ADU rod lines 1-4 to complete work overhead. Remove plastic once all overhead work is complete.	ADU Rod Lines 1-4	ISA-10 ADU Rods

CCF-Number	Justification	Title	Description	Location	ISA ID
11570	THE EXISTING LOCATION OF THE RACKS WILL NOT SUPPORT AP1000 TUBES WITHOUT UNDUE STICKOUT.	RELOCATE IN-PROCESS TUBE STORAGE RACKS	IN THE NON-FUEL AREA, RELOCATE THE IN-PROCESS TUBE STORAGE RACKS (PLANT) NORTHWARD ROUGHLY 18-24 INCHES. (PER OPERATOR REQUIREMENTS.)	NON-FUEL TUBE STORAGE AREA	Clean Side Rod Area
11571	These valves' design is not reliable enough right now to be an SSC. They should still close when the E-stop is pressed and maintain their current functionality, but it will not be credited as part of the SSC.	Remove SSC designation from hot oil valves	SSC ADUHOS-407 will no longer be associated with hot oil shut off valves for system 4, XV-S-1385-A1, and XV-S-1385-A2	UF6 bay, hot oil system 4	ISA-03 ADU Conversion
11573	Total EP 81-2 grease is no longer available. ExxonMobil recommends the XHP 222 as a replacement for the Total EP 81-2 grease. The properties of the ExxonMobil grease meet or exceed the properties of the Total grease as per a comparison of the attached p	Total EP 81-2 Substitution	<p>Substitute use of ExxonMobil XHP 222 for Total EP 81-2.</p> <p>This lubricant is used plant-wide. For specific locations, see MCP-108121 where Total 81-EP-2 (#43024) is referenced in the LUBRICATION column.</p> <p>The PDS &amp; MSDS for the XHP 222 grease is attached.</p> <p>Note: The ExxonMobil XHP 222 grease has already been approved for use for the Decanter high speed bearings per CCF 10065 and is set-up in the storeroom as S/R # 43020.</p>	Plant-Wide	Miscellaneous

CCF-Number	Justification	Title	Description	Location	ISA ID
11574	The sheeting will address FME and airborne concerns.	FME and Airborne Barrier during Roofing Work	Plastic sheeting will be installed in the ADU pellet area during the installation of equipment curbs on the roof to address FME and airborne concerns due to dust and debris on building steel and other hanging structures. This a temporary installation t	The Pellet Sintering Furnace Area	ISA-08 Pelleting
11581	The current operating temperature of the line 5 scrubber is 130F. The process temperature on the scrubber has been seen to be as high as 157F. With the process temperature and trip temperature so close to each other, nuisance trips are occurring.	Modify trip point for S531 scrubber pumps.	Modify trip point from 160F to 180F for line 5 scrubber pumps P-531A/B, P-531C/D and P-511A/B.	S531 Scrubber Pumps	ISA-03 ADU Conversion
11582	The pinion assembly oil seal on #2 Centac has failed therefore the unit has been shut down.  This rental air compressor will be on standby until the Centac is either repaired or replaced.	Rental Air Compressor	Connect a skid mounted 800 CFM electric powered oil free air compressor to our plant air header.	Centac Air Compressor Room	Grounds
11584	IFBA operator got something in eye while manually operating roll-up door. See CAPs 11-204-C001.	Install Goggles at each IFBA dock	Install a box containing goggles and a sign to use goggles if raising or lowering roll-up door manually.	IFBA docks 7, 8 and 9	ISA-12 IFBA Fuel Rod Manufacturing
11591	It is a safety requestment to have a usable eye wash station. The former eye wash station can not be used since it drains into a storm drain.	Eye Wash Station for the MCC Refurbishment Building "Hot House"	Install an eye wash station in the MCC shipping packaging refurbishment building "Hot House". The existing eye wash station is to be capped off.	MCC Refurbishment Building	Miscellaneous

CCF-Number	Justification	Title	Description	Location	ISA ID
11594	Under some conditions the rods can be bumped in such a way as to risk them being displaced from the table and onto the floor.	WABA Room Table Modification	Change the height of the end stops on the WABA transfer table to prevent the inadvertent dumping of rods off the table top.	CFFF, WABA Room	Components
11598	This rapid repair is only a short term solution. Immediately following this repair, another CCF will be generated to design, fabricate and install new transitions on Filter House FL-970 using stainless steel sheet metal.	Transition Repair on FL-970	Repair the degraded regions in the inlet and outlet transitions on Filter House FL-970 using fiberglass cloth and resin.	Chemical Roof Area	ISA-01 Plant Ventilation System
11601	Cage was used to hold a hopper for disposal of scrap material from URRS. Is no longer used. Small access door will be tack welded shut to prevent use. Area is being converted into the mobile DI water system staging area.	Remove Obsolete Cage at Southwest Corner of Building	Remove obsolete cage at the southwest corner of the building. Weld small access door into the building shut.	Southwest Building Corner Across from Tank Farm	Miscellaneous
11606	Moving the computer stand out of the area will give more room to maneuver carts and channels of rods in the future.	Move CHAMPS terminal inside pass through window	Mount a bracket to support a keyboard and monitor inside of the IFBA pass through window. Run all necessary cables to the PC to be located above the pass through window. Place the printer on a small stand on the floor to the left the scrap polypak sta	Outside of the tray transfer pass through window	ISA-14 IFBA Processing
11613	To comply with flammable storage requirements in URRS bay	Allow movement of low level uranium oil in overpacks to sealand C013	Allow movement of 55 gallon drums of low level uranium oil(<500 ppm U) in overpacks to sealand C013.	Sealand storage area	ISA-13 Low Level Radioactive Waste Processing

CCF-Number	Justification	Title	Description	Location	ISA ID
11614	These new level transmitters will be part of a new SIS high level interlock.	Intall New Level Transmitters on Q-Tanks V-216A, V-216B & V-216C	Install new level transmitters on Q-Tanks V-216A, V-216B and V-216C along with a modified flushing connection ring. The flushing connection ring is being modified under CCF # 11635. This CCF will cover the mechanical installation of the new level tran	ADU Conversion Area Q-Tanks	ISA-03 ADU Conversion
11615	The Garlock gaskets should better withstand the stresses that occur in the piping due to thermal expansion.	Hot oil system gaskets	At the inlet and outlet of the hot oil pumps, a Garlock high temp gasket will be used in place of the Flexitalic gaskets that have been used. The pipe spec will be modified to include these new gaskets after a trial period.	hot oil system pumps	ISA-03 ADU Conversion
11616	1. To improve lubricant performance.  2. To poka-yoke oil used for gearbox and roughing vacuum pump to prevent oil mix-ups.	IFBA Vacuum Pump Lubrication Change	Ref. MCP-108121, IFBA AREA, Vacuum Pumps  1. Change the IFBA Roughing and Coater Vacuum Pump lubricant from: Leybold N62*(S/R # 43100) to: Leybonol LVO 400.  *Note: Leybold N62 has been changed to Leybonol LVO 100 per CCF 11296.  2. Change the IFBA Vacuum Pump Gearbox lubricatant from: Royal Purple Synergy 220 (#43104) to: Leybonol LVO 400.  See attached documents for Leybonol LVO 400 technical data and MSDS.	IFBA Vacuum Pumps	ISA-14 IFBA Processing

CCF-Number	Justification	Title	Description	Location	ISA ID
11622	For temporary testing and to provide material alternatives when rebuilding ADU Conversion decanter feed tubes.	ADU Conversion decanters feed tube seal alternative	To allow the use of a pure nitrile, viton, NBR, teflon lip seal as an alternative for the existing teflon seal with metal case.	ADU Conversion Lines	ISA-03 ADU Conversion
11623	New installed racks have a different power requirement that is 30 amp, 208 volts.	Data Center Receptacles For Racks 63, 64, and 65	Add receptacles in Data Center.	Data Center	Grounds
11627	The existing unit is obsolete.	Replace eyewash station in Mass Spec Prep Room	Replace the eyewash station in the Mass Spec Prep Room in the Chem Lab with a Guardian G1805 Deck Mounted AutoFlow Swivel station.	Chem Lab	Miscellaneous
11632	This repair is only a short term solution. Immediately following this repair, another CCF will be generated to design, fabricate and install new transitions on Filter House FL-969 using stainless steel sheet metal	Transition Repair on FL-969	Repair the degraded regions in the inlet and outlet transitions on Filter House FL-969 using fiberglass cloth and resin.	Chemical Roof Area	ISA-01 Plant Ventilation System
11634	This is a remenant from when we used to pump sulfuric acid to the final aerator using an air diaphragm pump. We now use an electric metering pump.	Remove Obsolete Air Line at Final Aerator	Remove obsolete air line and associated equipment at Final Aerator.	Final Areator	ISA-15 URRS Wastewater Treatment System



CCF-Number	Justification	Title	Description	Location	ISA ID
11635	This modification is required to allow the installation of the new level transmitters, while maintaining the functionality of the existing bubbler style level transmitters. This modification avoids the need to install another nozzle on each of the Q-Ta	Modify Flushing Connection Ring for Level Transmitters on Q-Tanks	A 3" Rosemount Flushing Connection Ring will be modified such that it can be used with the existing bubbler style Rosemount level transmitter and a new 3" Rosemount direct-mount diaphragm seal level transmitter. The modified flushing connection ring will be installed between the existing 3" tank nozzle flange and the new Rosemount direct-mount diaphragm seal level transmitter. The flushing connection ring is modified such that the air purge for the existing bubbler style level transmitter can be connected to the flushing connection ring and the purge line will extend into the Q-Tank similar to the current bubbler design. This CCF is for the modification of the Rosemount Flushing Connection Ring only. The installation of the Flushing Connection Ring and the new level transmitters will be done under separate CCF's.	Q-Tanks in the ADU Conversion Area	ISA-03 ADU Conversion
11637	For adequate sealing purposes.	Decanter Discharge End Bearing Housing	Correct O-ring groove diameter dimension for future fabrication.	ADU Conversion Line Decanters	ISA-03 ADU Conversion
11642	The current pads have a slight difference in height which can cause some abrasions on certain length oxide coated tubes.	ADU RL#3 Support Rail serrated Pad Change	Change out the support rail serrated pad (on the number 3 walking beam rail set, as counted from the operator's left-hand side) to ones of slightly taller dimensions to match the pads on the adjacent (left side) rails.	CFFF, ADU Rod Line #3, Material Handling	ISA-10 ADU Rods

CCF-Number	Justification	Title	Description	Location	ISA ID
11645	This is needed to install the upgraded transactions. An ITR is attached.	Modify ADUdumphood Transaction	<p>The changes are as follows:</p> <p>Add the ability to lock each screen (addition of a control in the top right corner of each transaction) in the case the operator leaves the terminal and doesn't want to log off.</p> <p>Utilize current versions of all dlls (Application Start Up and Common Code dlls in particular)</p> <p>Installation of the application will encompass the installation of the oracle client so no intervention should be required to install the application on a new PC (or new harddrive).</p> <p>For the ADU Dumphood, the call to the weigh functionality from the Remill transaction will change to accommodate the new weight stored procedure that will be implemented soon.</p> <p>For the ADU Dumphood, the enforcement of remilling blends based on the blend instructions indicated will be removed.</p>	ADU Dumphood Computer Transaction	ISA-05 ADU Bulk Powder Blending
11646	The replacement unit we received is a functional equivalent. This CCF will allow us to use the new replacement part.	Allow substitution of Relay Block on the CE Loader	The replacement part received for the ABB relay block is different. The Fit and Function of the block is the same the Form is slightly different. Note: this block is a relay interface to the PLC.	CE loader in the Final Assembly Area	ISA-17 Final Assembly

CCF-Number	Justification	Title	Description	Location	ISA ID
11653	The existing pump has only been in service for 4 years and is showing evidence of severe cavitation and corrosion. This LF3196 is made of 316SS and is better designed for low flows with a high discharge head.  It will fit in the current foot print with minimum piping modification.	Replace P-14A with A Model LF3196 Pump	Replace P-14A with A Model LF3196 pump.	URRS Tank Farm	ISA-06 Chemicals Receipt, Handling and Storage
11657	Wires feed to the computer room and need to be removed.	Rod Weigh 'A' TRWS Wire Removal	Remove abandoned wiring from Rod Weigh A PLC card	Mechanical Side	Clean Side Rod Area
11658	Wires feed to the computer room and need to be removed.	Rod Weigh 'B' TRWS Removal	Remove abandoned wiring from Rod Weigh B PLC Card	Mechanical Side	Clean Side Rod Area
11659	This section of hot water pipe is severely degraded and leaking with no safe way of isolation. This enclosure / clamp system will allow us to operate until the next outage window.	Mechanical Clamp on Hot Water Pipe in Boiler House #2	Install a line enclosure over a section of leaking hot water pipe in Boiler House #2. This enclosure will be filled with an FDA approved stop leak product.	Plant Grounds / Boiler House #2	Grounds
11660	The replacement spare part is set up as a Compumotor S106-178-MO. Note this CCF will allow substitution of the grinder bed stepper motor for Grinder Line 6 or the Erbia grinder.	Stepper Motor Part Substitution for Line 6 Grinder Bed	Replace the existing stepper motor with a compumotor S106-178-MO. This motor is set up in the storeroom part #36016	Grinder Line 6	ISA-08 Pelleting

CCF-Number	Justification	Title	Description	Location	ISA ID
11665	Replacement of the existing FQI-116A is needed because the existing flowmeter has failed. The other piping modifications, including installation of the new flowmeter at the discharge of P-216B, is to improve the existing Q Tanks Volume Check procedur	Install Flowmeters and Modify Piping for Q Tanks Volume Check	<p>This CCF will cover the following changes needed for the Q Tanks Volume Check:</p> <ol style="list-style-type: none"> <li>1. Install a new 1-inch GPI 316 stainless steel digital turbine flowmeter (model # G2S10F09GMD) to replace FQI-116A.</li> <li>2. On the discharge manifold of P-216B, install a new 1-inch GPI 316 stainless steel digital turbine flowmeter (model # G2S10F09GMD) in the acid wash/liquid scrap transfer line as indicated on drawing # 508F02PI01:05. There will be the option of relocating this flowmeter to the discharge manifold of P-216A as needed.</li> <li>3. On the discharge manifold of P-216A, install a spool piece with a new 1/2-inch ball valve with capped connection to allow for draining in the acid wash/liquid scrap transfer line as indicated on drawing # 508F02PI01:02. The spool piece</li> </ol>	South of Q Tanks	ISA-03 ADU Conversion
11666	The Cutler Hammer has failed.	250 HP Kobelco Softstarter Replacement	With this CCF we will replace a broen Cutler Hammer Soft Starter (S801 series) on Air Compressor #2 / Kobelco 250HP with a ABB Soft Starter (PSE-300 series).	Air Compressor Room Kobelco 250HP	Miscellaneous

CCF-Number	Justification	Title	Description	Location	ISA ID
11669	A project was completed to move the blowdown during a previous outage and the button was not move along with it. This CCF is the same as 11370 to complete the move on C201B.	Relocate button on C101A Vaporizer	Re-locate push button for blowdown on the vaporizer so that one person can perform the hourly blowdown.	UF6 Bay--Conversion Line 1	ISA-03 ADU Conversion
11673	This section of water pipe is severely degraded and leaking with no safe way of isolation. This enclosure / clamp system will allow us to operate until the next outage window.	2nd Mechanical Clamp on Water Pipe in Boiler House #2	Install a line enclosure over a section of leaking water pipe in Boiler House #2. This enclosure will be filled with an FDA approved stop leak product. Note: This is the 2nd clamp on this section of piping.	Boiler House #2	Grounds
11675	Currently level transmitter is located up stairs and an indicator is required down stairs.  An indicator existed but was not shown on any drawings so it was removed during installation for another CCF.  The input for H-105C was relocated to the C200 but the drawings did not reference this output. The output must be relocated prior to processing nitrate.	Add Local Level Indicator and Output for H-105C	Add local level indicator for Scrubber S-131 level. Connect H-105C Heater Controller to C200.	by Line 1 Scrubber x31	ISA-03 ADU Conversion
11681	This repair is only a short term solution. Immediately following this repair, another CCF will be generated to design, fabricate and install new transitions on Filter House FL-971 using stainless steel sheet metal.	Transition Repair on FL-971	Repair the degraded regions in the inlet and outlet transitions on Filter House FL-971 using fiberglass cloth and resin.	Chemical Area Roof	ISA-01 Plant Ventilation System

CCF-Number	Justification	Title	Description	Location	ISA ID
11706	The existing 10" polypak lids are prone to break with heavy use. Most are heavily taped and are ready to be replaced. New lids are in the process of being spec'd and ordered, but this will take time. A stainless steel lid will be able to be fabricated quickly and in house and will serve as a stop-gap solution until proper lids are procured.	Alternative 10" Polypak Lid	An 18 gage (0.0500thk) stainless steel lid that will slip-fit snugly over the existing 10" polypaks found in the pellet roll hoods.	All 10" Polypaks in Pellet Area	ISA-08 Pelleting