



Westinghouse Electric Company LLC
Nuclear Fuel
Columbia Fuel Site
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USA

U. S. Nuclear Regulatory Commission
Ms. Nilda Rivera, Project Manager
Fuel Manufacturing Branch
Division of Fuel Cycle Safety and Safeguards
Office of Nuclear Material Safety and Safeguards
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January 27, 2009

SUBJECT: WESTINGHOUSE 10 CFR 70.72 FACILITY CHANGE REPORT

Dear Ms. Rivera:

Westinghouse Electric Company LLC (WEC) hereby submits the report of facility changes that did not require NRC pre-approval in accordance with 10 CFR 70.72. This report addresses those changes completed within calendar year 2008. WEC had no facility process changes that required NRC pre-approval during calendar year 2008.

WEC 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;

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- 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: 2008 CCF Annual Report (Non-Proprietary)

cc: U. S. Nuclear Regulatory Commission, Region II
Mr. Richard Gibson
Sam Nunn, Atlanta Federal Center
61 Forsyth Street, SW., Suite 23T85
Atlanta, GA 30303

CCF Approved Annual Report 2008						
CCF-Number	Approved Using Electronic System	Justification	Title	Description	Location	ISA ID
01145	29-Dec-2008	Heat recovery system was abandoned years ago	SF-1 Through SF-4 Heat Exchanger Removal	Remove old heat recovery coil heat exchangers from the exit of roof top sintering furnace fans 1-4	Pelleting	ISA-08 Pelleting
03023	3-Sep-2008	Equipment uptime	Calciner Discharge Alarm	ORIGINAL DATE: 01/13/03 (OPEN ITEMS) Unnecessary programming will be removed to prevent nuisance calciner first discharge screw alarm. The change will be made on all five conversion lines.	Conversion	ISA-03 ADU Conversion
03314	4-Sep-2008	Reduced downtime	Pellet Stack-ip SSCs	"Pellet stack-up SSC's PelPrep 106 (Drexelbrook elevator shaft high level probe) and PelPrep 107(Endress Hauser elevator shaft high level probe) will be removed from the PLC and hardwired. The PLC CPU will be upgraded and the programming converted from LM	Pelleting	ISA-08 Pelleting
03374	3-Jul-2008			Mass Imported	Computer Data	Miscellaneous
04146	9-Jul-2008	Improvement	CE Loader Air Cylinder Replacement	Replace existing Pneumatic cylinder used for setaing rods on CE loader with cylinder that includes load sensor	Final Assembly	ISA-17 Final Assembly
04237	9-Jul-2008	Existing UF6 block valves require frequent rebuilds because they do not maitaing tight shut-off due to scratching of teflon seats	UF6 block valve trials	Substitute 2 manual UF6 isolation valves with high performance ball and rotary plug valves	ADU Conversion	ISA-03 ADU Conversion
04298	9-Jul-2008	Tooling required to fabricate 16 regular annular tooling	16 Reg Annular Tooling Spec	Create design specifications for 16 regular annular tooling	ADU Pelleting	ISA-10 ADU Rods
04313	9-Jul-2008	Production	Coater PLC Monitor	Install a monitor on the IFBA production floor in a highly visible location. This monitor will display the timed steps of each of the seven coaters	IFBA,FA1	ISA-14 IFBA Processing
04333	9-Jul-2008	Flouorides attack welds on this transfer line leading to mutiple leaks	Addition of Water Flush for T-1148 Transfer Line	Add city water line with block valve and timer to flush T-1148 transfer line	Outside	Site and Structures
04350	9-Jul-2008	Quality / Production	Install new 3000 CFM Air Handler for the Erbia Dry Room	Install air handler with associated ductwork	Erbia	ISA-20 ERBIA
04369	9-Jul-2008	Existing canned motor pump does not have adequate head for current services	Replace P1087B with mag drive centrifugal pump	Replace P1087B with Goulds 3298 mag drive centrifugal pump	Solx	ISA-07 Solvent Extraction

04439	9-Jul-2008	BWR product requires non-standard pressure limits. Line hardware and software must handle the BWR case as distinct from PWR product.	Modify Line 4 Plugger Pressure Switches	Replace single-setpoint pressure switches for tube clamp cylinder and plug insertion cylinder with PIT type, modify PLC to accept pressure values, and install PLC logic to handle different setpoints for operating and alarm conditions	ADU Fuel Rods	ISA-10 ADU Rods
05062	25-Jan-2008	Sifter is not useful. Particle size reduction via the Comil will prove very useful when processing "chunky" material in the dirty dissolvers (waterglass cake, etc.) Reducing the particle size of the chunky material prior to feeding in the dirty dissolvers will increase dissolver equipment life and reduce the amount of material, as well as its radioactivity, that we have to landfill.	Add Comil to Hood RH-1070	Remove sifter and replace with Quadro Model 197 Comil in hood RH-1070.	Dissolvers	ISA-04 Safe Geometry Dissolver
05357	16-Apr-2008	Wire frame rack will take up less space in the dry room than the current tooling cabinets.	Line 5 Tooling Rack	Implement the use of a wire frame rack for storage of tooling kits.	IFBA/ERBIA	ISA-12 IFBA Fuel Rod Manufacturing
05433	18-Jun-2008	Removal of excess piping and fittings will eliminate leaks. The shield will be used as a protective device, and will contain material when in use.	T-14 Sodium Hydroxide	Remove obsolete piping from the Carbonate Removal Building to the drain line. Plus add safety shield around drain line.	Tank Farm	Site and Structures
05515	11-Jul-2008	"This heat exchanger relocation from its location at the Line 5 vaporizers is required to support installation of the new electric autoclaves. The new autoclaves require that moderator sources are removed. Also, the heat exchanger would interfere with	NH4OH HX-1277 Relocate	"Relocate the NH4OH heat exchanger HX-1277 that heats NH4OH supply for conversion operations (precipitation and calciner off-gass scrubbers) from its present location in the UF6 Bay at the Line 5 vaporizers to the other side of the wall of Line 5 near th	ADU Conversion	ISA-03 ADU Conversion
06132	18-Jul-2008	Backup system.	Leak Detector put back	Put 2nd leak chamber back in place.	QC RODs	ISA-10 ADU Rods
06234	30-Sep-2008	Replacing the chain with hard pipe to match the rest of the railing will result in a more secure platform.	Replacing chains with railing on elevated platform	"The elevated platform on Conversion Line 4 contains two locations at which chains are used as railing. At one time, it appears that ladders/steps existed where the chains are located. The ladders/steps were eliminated, but the chains remain. The chan	Conversion	ISA-03 ADU Conversion
06373	15-Jan-2008	The existing sulfuric acid pipe is deformed due to the lack of piping supports; by replacing the Kynar pipe with SS 316 would allow the pipe to meet the specifications listed in FSS-003 Process Piping Specifications.	Sulfuric Acid Pipe Replacement	Sulfuric Acid Pipe Replacement.	Waste Treatment/Final Effluent Aeration	ISA-15 URRS Wastewater Treatment System

06411	9-Apr-2008	Approved capital project.	Safe geometry centrifuge for Grinder line 2	Replace the large centrifuge with a safe geometry centrifuge to improve passive control. This will include a new surge tank with level probes. As part of this ccf, scraping equipment will be installed to remove sludge from the centrifuge bowl.	ADU Pellet grinder line 2	ISA-08 Pelleting
06412	2-Sep-2008	Approved capital project.	Safe geometry centrifuge for Grinder line 3	Replace the large centrifuge with a safe geometry centrifuge to improve passive control. This will include a new surge tank with level probes. As part of this ccf, scraping equipment will be installed to remove sludge from the centrifuge bowl.	ADU Pellet Grinder line 3	ISA-08 Pelleting
06413	27-Jun-2008	Approved capital project.	Safe geometry centrifuge for Grinder line 4	Replace the large centrifuge with a safe geometry centrifuge to improve passive control. This will include a new surge tank with level controls. As part of this ccf, scraping equipment will be installed to remove sludge from the centrifuge bowl.	ADU Pellet grinder line 4	ISA-08 Pelleting
06414	18-Sep-2008	Approved capital project.	Safe geometry centrifuge for Grinder line 5	Replace the large centrifuge with a safe geometry centrifuge to improve passive control. This will include a new surge tank with level probes. As part of this ccf, scraping equipment will be installed to remove sludge from the centrifuge bowl.	ADU Pellet grinder line 5	ISA-08 Pelleting
06415	10-Oct-2008	Approved capital project.	Safe geometry centrifuge for Grinder line 6	Replace the centrifuge on grinder line 6 with a similar centrifuge with dual outlets. This ccf will include scraping equipment to remove sludge from the centrifuge bowl.	ADU grinder line 6	ISA-08 Pelleting
06417	18-Aug-2008	Approved capital project.	Safe geometry centrifuge for Erbia grinding line	Replace the centrifuge in the Erbia grinding line with a similar centrifuge with dual outlets to improve passive control.	Erbia grinding line	ISA-20 ERBIA
06513	13-Mar-2008	"Safety - On 6/4/06 an operator cracked a rib while manually aligning a casket being transported from the Dock 7 casket conveyor to a casket cart in the rod line 5 area (CAPS Issue #06-156-C003). The casket got caught when transitioning from the conveyor	Dock 7 Casket Pass Through Guides	"Install guides in the pass through area between the Dock 7 casket conveyor and the casket carts located inside the rod line 5 area. These guides are needed effectively align caskets with the casket carts as they enter the area and prevent the caskets fr	Dock 7	ISA-14 IFBA Processing

07076	18-Sep-2008	Installation of level sensor is required to be in compliance with PELGRIND-103 per the CSE 08-D.	Installation of Level Sensor for Feed Bowl Polypak on Line 5 Grinder	"Install a level sensor in the chute above the grinder feed bowl polypak. The level sensor will be hardwired to Site Programmable Alarm (SPA) which in turn will be wired to a safety relay. When the sensor is activated, it will actuates the safety relay	Line 5 Grinder	ISA-08 Pelleting
07080	13-Oct-2008	The current configuration of the relief system prevents operations from knowing when the rupture disc blows. This will inform operations that they need to shutdown to replace the disc.	Install Burst Check Device on Still 1 Rupture Disc	Install Burst Check Device on Still 1 Rupture Disc	Ammonia Recovery System 1	ISA-15 URRS Wastewater Treatment System
07082	13-Oct-2008	The only automatic pressure indication on the ammonia still is on the condenser. This is not sufficient for troubleshooting pressure fluctuations in the system.	Install Automatic Pressure Indication on Still 1	Install Automatic Pressure Indication on Still 1	Ammonia Recovery System 1	ISA-15 URRS Wastewater Treatment System
07120	27-Mar-2008	"Replace the current failing chamber with a new more reliable chamber that encompasses current vacuum technology. Replacement of the In-Line Helium chamber will reduce downtime for helium leak checks of fuel rods due to maintenance issues. This will re	In-Line Rod Helium Leak System	This system test fuel rods for possible helium leaks. The rods are pressurized with helium in prior manufacturing process steps and inserted inside the vacuum chamber in lots of 25.	QC Rod Inspection	Clean Side Rod Area
07151	3-Jun-2008	"Currently the fire water tanks have to be manually refilled. The tanks must be maintained at a specified level per procedure. The installation of automatic refill for both fire water tanks will help ensure that the tanks are refilled after training ex	Install Auto Refill for Both Fire Water Tanks	This project will install level transmitters and automatic valves that will automatically refill the fire water tanks when needed.	Fire Pump House #1 and #2	Grounds
07190	10-Jan-2008	Equipment is required for manufacturing CE fuel assemblies in Columbia.	Wear Sleeve Equipment	"This piece of equipment is being created as a tool drawing. However, since it uses hydraulics, there is a crit safety concern from a moderation standpoint and requires evaluation. The equipment will contain 3-5 gallons of DI water and 3-5 gallons of hyd	Final Assembly	ISA-17 Final Assembly
07242	8-May-2008	Safety and enviromental	Replace Conversion S-1008 Ammonia Scrubber, ductwork and Heater	"Replace existing 1008 ammonia scrubber with new KCH 4,300 cfm system. Remove old scrubber heater and replace with 64KW inline heater. Remove and replace existing 14 inch ductwork and install new 18 inch duct on the discharge side on the 1008 scrubber. T	Conversion Scrap Cage	ISA-03 ADU Conversion

07272	8-May-2008	Vortex sceens are heavy and difficult to remove from sump. When removing, trash falls into the sump, causing low flow of water back to the chillers. Vortex screens are not needd for our Cooling Towers.	Cooling Tower 5,6,7 Screen	Replace Vortex screen with flat sump screen.	Plant Roof	Grounds
07277	7-Feb-2008	Additional space is required for magazine loading when both CE and BWR magazines are being loaded at the same time. Magazines for each of these designs are currently loaded in the exisitng BWR rod market area shown on Sheet 1 Bay E-F, 10-11. It is anticipated that space for approximately 6 additonal channels will be required necessitating bay F-G 10-11 and 11-12 to be opened up for the additional magazine loading.	BWR/CE Rod Market-Magazine Load: Area Expansion	Future fuel assembly build scheduling will require both CE and BWR assemblies to be built simultaneously. Currently both BWR and CE magazines require multiple types of rods per assembly and both designs use the existing BWR rod market area. Attached are Facilities Drawings 500F04AR17 (sh1,3,& 4) depicting the area in Bays F-G and E-F to be modified. It will NOT be necessary to extend the center rail in the floor in F-G 10-11 for this CCF.	Bays E-F 10-11 and F-G 10-11, 11-12	ISA-17 Final Assembly
07280	30-Sep-2008	The LOPA report CONV-1 recommended that the 012 column pump interlocks on lines 2, 3 & 4 be removed since the risk of an ammonium nitrate explosion is extremely low.	Remove interlocks ADU-x12-401 on lines 2, 3 & 4	Remove interlocks ADU-x12-401 on lines 2, 3 & 4 from sketch 815417-3 and PM-81521. The interlock functions will remain as process interlocks only.	ADU lines 2, 3 & 4	ISA-03 ADU Conversion
07287	5-Feb-2008	Airborne--ALARA The lift table will eliminate the operator from having to lift the heavy pans that are fed and removed from the Blue M oven.	Conversion Scrap Cage Blue M Oven Replacement	Plans are to remove existing old Blue M ovens (2) and hoods in the Conversion Scrap Cage. The old ovens will be replaced with lift tables to raise and lower drying pans in and out of the new oven. Also, the new system will have an automatic powder sifter that will automatically sift material into a polypak. Drawings and installation instructions are attached to the electronic CCF.	Conversion Scrap Cage	ISA-03 ADU Conversion

07318	17-Jun-2008	Current hood is defective and inside door allowing polypaks to be brought into hood breaks constantly. Hood is also not ergonomically ideal. Also, uranium contamination on the floor in the QC cage has been a common occurrence as well. If the hood were in the controlled area, the contamination would stay in the conversion/pelleting area where it belongs.	2nd Moisture sampling hood removal/replacement	Remove current moisture hood from QC cage. Close up current window. Install new sampling hood (currently in IFBA area) on other side of wall with associated ventilation and utilities.	QC Cage	ISA-18 Laboratories
07326	10-Jan-2008	This station will be used to rinse out the Final Assembly Wash Tanks. This mod will resolve CAP 07-045-C002.	DI water wash for Final Assembly Wash Tanks	Install a DI water rinse station near the Final Assembly Wash Tanks.	Final Assembly	ISA-17 Final Assembly
07359	6-May-2008	Westinghouse has signed a contract with EDF stating that the test will be performed. In order to perform the test the new injection design must be completed.	VIPER housing crossflow design for EDF test	This CCF is for the design of a new crossflow injection setup for the VIPER loop to accommodate the specifications EDF is asking for in this particular test. Currently the VIPER loop does not have a housing designed to inject crossflow at the specific elevation and with the specific boundary conditions required for this test. See attached document for detailed description of changes to the housing. NOTE: Refer to Revised Detailed Description of Changes to the Housing as of 02/19/08.	VIPER loop	ISA-18 Laboratories
07387	11-Jan-2008	The equipment upgrade will reduce the process downtime due to equipment failure and line blockage.	T1114 Lift Station Project	This CCF will: 1. Replace the existing pumps with Gorman-Rupp solid handling self priming centrifugal pumps 2. Replace existing piping 3. Resume sulfuric acid addition to the sump for calcium carbonate removal	URRS T1114 Lift Station	ISA-15 URRS Wastewater Treatment System
07420	9-May-2008	Replacement parts for 5000 series valves are no longer available. The valves affected are: XV-1B1, XV-1B2, XV-1A1, XV-1A2, XV-116C, XV-116B1, XV-216C, XV-216B1, XV-3B1, XV-3B2, XV-3A1, XV-3A2, XV-116D, and XV-116E.	Primary and Final Activity Monitors valve replacement	Replace fourteen existing 5000 series Jamesbury valves and actuators with 7000 series valves and actuators on Primary and Final Activity Monitors. Fail-states of all valves will remain as they are currently.	at the gamma monitors on the platform between lines 1 and 2	ISA-03 ADU Conversion

07426	24-Jan-2008	A potential of two trays count as one. Tray count specifies when the grinder bowl cleanout is needed. This problem is similar to the Erbia Grinder Line (ref. 07-368).	PLC modification on Grinder Line 6	Modify PLC program to ensure proper tray count.	Pellet Grinder Line 6	ISA-08 Pelleting
07452	17-Apr-2008	To receive bulk UN in support of downblend project.	Install means to offload UN into bulk storage tanks	"Install piping and instrumentation to offload UN into UN bulk storage tanks. The UN will be delivered in 9 totes (230 gallons / tote useful storage) on a flatbed. The UN will be offloaded into the top of T-1039 or T-1045. The UN will pass through an a	UN Bulk Storage	ISA-02 Uranyl Nitrite Bulk Storage Tanks
07463	5-Nov-2008	"During the pack process it is important to keep container lids off of the floor to keep the gaskets clean and free of foreign material. These sawhorses will be used for BWR inner & outer container lids only. This limitation will be administratively co	Implementation & Usage of Stanley "Fatmax" sawhorses in the Packing area	Stanley "Fatmax" sawhorses - 2500 LB capacity/pair These will be used in packing when packing BWR Patriot shipping containers. The Patriot container consists of an inner metal container and outer wood container. During the pack process it is important to keep container lids off of the floor to keep the gaskets clean. These sawhorses will be used for BWR inner & outer container lids only. This limitation will be administratively controlled by the pack procedure, MOP730314. The inner box lid weighs approx. 230 LBs and the outer box lid weighs approx. 250 LBs, therefore, we are well within the appropriate safety factor for using these sawhorses as detailed above.	Packing area floor	ISA-17 Final Assembly
07472	14-Jul-2008	Production need	Modify Erbia Dock Casket Conveyor	Casket conveyor needs to be modified to handle AP1000 caskets. The conveyor will need to be extended 7 inches. Need to relocate sensors that allow the caskets stops to operate.	Conveyor at Erbia Loading Dock	ISA-12 IFBA Fuel Rod Manufacturing

07494	14-Mar-2008	Onsite testing prior to installation is critical to successful installation.	Setup preparation for offline helium leak check testing	Revision 1: This CCF revision updates the location of the pretest area. The proposed pre-test area arrangement can be seen in the attachments section. Revision 0: This CCF will cover setup preparations of the offline testing location for the new helium leak checker. The designated location is within the fenced area of final assembly near the BWR bundle loader. The work involved in this CCF includes routing plant air and power to the test location, replacing a length of fence with a gate, and obtaining approval to use liquid nitrogen tanks and a small cooling water system in the area on a temporary basis.	BWR bundle loader	Miscellaneous
07506	2-Jun-2008	The chutes are currently deformed due to repeated hammering, which leads to more powder buildup, and more hammering to unclog it. The new chute will be sturdier due to the thicker components, and more resistant to future deformation.	Replace chute on bucket elevator discharge CLN1	"The chute at the top of the bucket elevator that directs ADU powder into duplex valves is to be replaced on Conversion Line 1. This transitional piece goes from a rectangular inlet side to a circular discharge. The replacement part will provide more str	between the bucket elevator and the duplex valves CLN1	ISA-03 ADU Conversion
07507	16-May-2008	The chutes are currently deformed due to repeated hammering, which leads to more powder buildup, and more hammering to unclog it. The new chute will be sturdier due to the thicker components, and more resistant to future deformation.	Replace chute on bucket elevator discharge CLN2	"The chute at the top of the bucket elevator that directs ADU powder into duplex valves is to be replaced on Conversion Line 2. This transitional piece goes from a rectangular inlet side to a circular discharge. The replacement part will provide more str	between the bucket elevator and the duplex valves CLN2	ISA-03 ADU Conversion
07508	12-May-2008	The chutes are currently deformed due to repeated hammering, which leads to more powder buildup, and more hammering to unclog it. The new chute will be sturdier due to the thicker components, and more resistant to future deformation.	Replace chute on bucket elevator discharge CLN3	"The chute at the top of the bucket elevator that directs ADU powder into duplex valves is to be replaced on Conversion Line 3. This transitional piece goes from a rectangular inlet side to a circular discharge. The replacement part will provide more str	between the bucket elevator and the duplex valves	ISA-03 ADU Conversion
07509	24-Jan-2008	The chutes are currently deformed due to repeated hammering, which leads to more powder buildup, and more hammering to unclog it. The new chute will be sturdier due to the thicker components, and more resistant to future deformation.	Replace chute on bucket elevator discharge CLN4	"The chute at the top of the bucket elevator that directs ADU powder into duplex valves is to be replaced on Conversion Line 4. This transitional piece goes from a rectangular inlet side to a circular discharge. The replacement part will provide more str	between the bucket elevator and the duplex valves CLN4	ISA-03 ADU Conversion

07543	31-Jan-2008	"Current unit is worn out and does not provide heat any more. It is located on the roof, which has a potential to develop leaks because of the penetration of duct work. New unit will not be located on the roof. The condenser will be on the ground outside	Still Control Room Comfort Air	Remove current 3 ton roof package comfort air unit and replace with a 3 ton spit system unit. The new unit is consist of a 3 ton Condensing Unit 13 SEER MOD#NEH336I and 3 ton Air Handler Model # FEM2X3600 with 10KW and Thermostat.	Still Control Room	ISA-15 URRS Wastewater Treatment System
07545	7-Feb-2008	Part of the pad is in the aisle way, creating a potential tripping hazard. The old assay is no longer there and the proposed pad to be cut off is not in use.	Old Assay Pad	Cut old assay pad, located in front of incinerator room, 20" back from the aisle way and resurface floor.	Old Assay Pad	ISA-13 Low Level Radioactive Waste Processing
07546	13-Mar-2008	Currently there is only one disconnect at the condenser. Installing fusible disconnects at both location will provide better protection for the worker as well as the equipment.	Maintenance Comfort Air	Install fusible disconnect for the condenser and one for the airhandler inside.	Waste Treatment Maintenance Shop	ISA-15 URRS Wastewater Treatment System
07554	11-Feb-2008	Safety/Quality	Install new 2 Bar Vacuum Furnace	Remove the old existing #1 Ipsen furnace and replace with the new furnace. Plans are to install a new stand alone external cooling loop system that will supply cooling water to the new vacuum furnace. Please see attached DAP for details.	Next to Ipsen #2 furnace	Miscellaneous
07556	2-Dec-2008	Safety/Quality	Electrical Installation for new Vacuum Furnace	Install controls and power to the new 2 Bar Vacuum furnace- See CCF-07554	Next to Ipsen #2	Miscellaneous
07577	12-Jun-2008	The multiplexer has failed and it is obsolete. A suitable substitute has not been identified.	Remove multiplexer from gamma alarm system	The multiplexer that interfaces station 14 and station 17 to the guard station will be removed. Station 14 will be hard wired. Station 17 will have no indication at the guard station. The function of the local alarms will not be changed.	UF6 pad	Grounds
07600	5-Jun-2008	To reduce likelihood of condensation getting into HP sample system.	Add air/water separator at incinerator HP sample	Add air/water separator at incinerator HP sample apparatus in order to reduce likelihood of condensation getting into HP sample system.	Incinerator vent system	ISA-13 Low Level Radioactive Waste Processing
07601	5-Jun-2008	Eliminate condensation and loud noise in penthouse.	Cap drains on incinerator filter house	Cap drains on incinerator filter house (6A/6B). They allow in cold air to worsen condensation problems downstream and make a significant amount of noise.	Incinerator vent system	ISA-01 Plant Ventilation System

07603	10-Mar-2008	<p>The valve at the bottom flange would allow an operator to check if there is any liquid in the tank before removing the 3" blind flange. Currently, the operator does not know if the tank is completely empty before removing the blind flange, so liquid often spills out onto the floor near the operator.</p> <p>The valve added to the level gage would allow the operator to rod out the pipe from the gage to the tank and then safely stop flow to allow the cap to be re-installed. Currently the operator must return the cap while liquid flows out onto the ground.</p> <p>Both of these changes would increase safety for the operator performing the task.</p>	Q-tank safety port additions	Add a sample valve at the bottom flange of V-216A, V-216B, V-216C. Also add a valve to the rod-out port where the level gage connects close to the bottom of V-116A, V-116B, V-116C, V-216A, V-216B, V-216C.	Q-tanks	ISA-03 ADU Conversion
07606	29-Apr-2008	Not only disconnects are required, most importantly it provides a safe way of deenergizing equipment and lock-out tag-out. Currently units are deenergized by switching the breaker off.	Kitchen Cooler & Freezer Disconnects	Install disconnects on Cooler 1,2 and Freezer condenser unit.	Kitchen Roof	Miscellaneous
07635	15-Apr-2008	EH&S	Install New Centrifuge Drying Bowl Ovens	"Plans are to install drying ovens on the Pellet Pilot line, line 1 and line 2. The new ovens are designed for operations to insert the new safe geometry bowls directly into the ovens. This will eliminate the operator from having to scrape the material f	Pellet Line 1 and Pilot line	ISA-08 Pelleting

07640	7-Feb-2008	<p>Loctite 242 is a commonly used medium strength threadlocker for fasteners between 1/4" & 3/4". The only comparable Loctite currently set-up for use in the MRO S/R is Loctite 290 which is a wicking Loctite for pre-assembled fasteners. Loctite 242 is better suited for application to threads prior to installation and where wicking is not desired.</p> <p>Note: Per the various plant material lists, Loctite(all grades) is either a restricted material or administratively controlled material.</p>	Loctite 242	Set-up Loctite 242 in the MRO storeroom for use in the plant.	Plant wide.	Miscellaneous
07643	30-Sep-2008	<p>The actuator and limit switch will make it easier for the operators by allowing the valve's position to be viewed and changed from the control room.</p> <p>The interlock will not allow flow to go to the decanter if P-431A or B is running, which is what we want to happen with the piping change.</p>	CLN4 actuator and interlock	<p>An actuator and limit switch will be installed with the 3-way valve discussed in CCF 07173 on the scrubber re-piping project. The 3-way valve will allow P-431A&B to easily switch between recycle and filter press mode.</p> <p>Interlock #105 on form CF-81-955 will be removed. It is a process interlock, and installing the 3-way valve will control the flow the way the interlock does.</p>	line 4 scrubber piping	ISA-03 ADU Conversion
07644	24-Jan-2008	The current pumps experience seal leakage. The new pump will be more appropriate for this application, being a sealless mag-drive pump. Switching to mag-drive pumps have been successful on several x06 pumps.	402 pump replacement	One of the current 402 pumps will be replaced with an Iwaki mag-drive pump. A power monitor will also be installed. Piping will be modified to include block and bleeds.	line 4 hydrolysis column	ISA-03 ADU Conversion
07649	24-Jan-2008	Current Spacer dimensional and tolerance specifications allow for interference between the bottom punch and the bottom tool holder nut. Under this condition the bottom punch will not rotate as required per the OEM's operational instructions. Punch damage	Core Rod Bottom Punch Spacer Modification.	Redesign Spacer to provide adequate clearance to allow the bottom punch to rotate when assembled onto the tool holder.	Pelleting - R53 Presses.	ISA-08 Pelleting
07651	17-Jan-2008	Old solenoids obsolete and Ramco has now gone with the Numatics.	Ramco degreaser solenoid valve replacement	Replace the solenoids PME-111JA that activates the cylinders to open the lids on the tanks with Numatics L01 solenoids	Ramco degreaser	Miscellaneous

07653	10-Mar-2008	A new MCC is required since both the old and new MCC will be in use for some time to minimize down time for the ADU Line.	Install MCC 101 to Support ADU Line 1	Install new MCC to support ADU Line 1. The existing MCC 100 normal power section will have to be moved to allow installation of the New autoclaves for line 1.	UF6 bay on top of new PLC room	ISA-03 ADU Conversion
07657	2-Jan-2008	Worker safety. The operator in the paint works without any contact to any one outside of the paint. This system is designs to alert someone in case of a problem and/or emergency.	ManDown Alarm System for Shipping Packaging Paint Booth	="Install and implement use of a CISCOR ManDown alarm system to alert employees in packaging refurbishment if an employee in the paint booth encounters a problem. The base unit will be in the shipping packaging refurbishment (Hot House). The operator in t	Refurbishment Building / Paint Booth	Grounds
07658	9-Jan-2008	The current sensors have dead zones where they can not tell that another crane is near.	Travel Limit Sensors for overhead cranes	Install new style sensors to limit the travel on the overhead cranes in Bays G, H, and F	Final Assembly, packing, forest	ISA-17 Final Assembly
07660	24-Jan-2008	The air diaphragm pumps are not meeting their life expectancy. The pump air valve is prematurely siezing. The manufacturer suggests a five micron filter. The fourty micron filter may be allowing larger particulate to pass causing the pump to sieze.	Dissolver Station Air Supply	Replace the existing regulator and filter (40 micron) for the air diaphragm pumps with a filter/regulator combo unit with a 5 micron filter	V-1059	ISA-03 ADU Conversion
07661	24-Jan-2008	The old system has had a lot of breakdowns of late. This caused backups in the painting process.	Paint Delivery System - Paint Booth	The current paint delivery system in the paint is to be replaced with a new Graco Cart-mounted Airless package. This package is a Hydra-Spray 23:1 Ratio. Monark Pump.	Paint Booth	Grounds
07662	1-May-2008	Provide chemical side access to medical with out contaminating step off pad. Many of the shoe bins are not used.	Modify main step-off pad layout	Remove existing shoe bins and shoe lockers and replace with bin shelves. Move step off pad to the north side of the entrance to medical.	Main step off pad	Grounds
07663	24-Jan-2008	The dock door for truck well #2 is being replaced and the abandoned over-head air curtains interfere with the new door installation.	Remove Air Curtains	Remove abandoned air curtains over truck well #2.	Mechanical Area - Dock #2	Grounds
07666	24-Jan-2008	Safety & Production time	Slide IN/OUT shields for Coater 2	Change side and back shields in coater2 to slide IN/OUT type same as Coater 8. (This CCF has already been approved by all EH&S departments for Coaters 1 - 7 on CCF07590. The individual CCF #'s are for tracking the drawings on a per Coater basis.)	IFBA FA1	ISA-14 IFBA Processing

07667	24-Jan-2008	Safety & Production time	Slide IN/OUT shields for Coater 3	Change side and back shields in coater 3 to slide IN/OUT type same as Coater 8. (This CCF has already been approved by all EH&S departments for Coaters 1 - 7 on CCF07590. The individual CCF #'s are for tracking the drawings on a per Coater basis.)	IFBA FA1	ISA-14 IFBA Processing
07668	24-Jan-2008	Safety & Production time	Slide IN/OUT shields for Coater 4	Change side and back shields in coater 4 to slide IN/OUT type same as Coater 8. (This CCF has already been approved by all EH&S departments for Coaters 1 - 7 on CCF07590. The individual CCF #'s are for tracking the drawings on a per Coater basis.)	IFBA FA1	ISA-14 IFBA Processing
07669	24-Jan-2008	Safety & Production time	Slide IN/OUT shields for Coater 5	Change side and back shields in coater 5 to slide IN/OUT type same as Coater 8. (This CCF has already been approved by all EH&S departments for Coaters 1 - 7 on CCF07590. The individual CCF #'s are for tracking the drawings on a per Coater basis.)	IFBA FA1	ISA-14 IFBA Processing
07670	24-Jan-2008	Safety & Production time	Slide IN/OUT shields for Coater 6	Change side and back shields in coater 6 to slide IN/OUT type same as Coater 8. (This CCF has already been approved by all EH&S departments for Coaters 1 - 7 on CCF07590. The individual CCF #'s are for tracking the drawings on a per Coater basis.)	IFBA FA1	ISA-14 IFBA Processing
07671	7-Feb-2008	Safety & Production time	Slide IN/OUT shields for Coater 7	Change side and back shields in coater 7 to slide IN/OUT type same as Coater 8. (This CCF has already been approved by all EH&S departments for Coaters 1 - 7 on CCF07590. The individual CCF #'s are for tracking the drawings on a per Coater basis.)	IFBA FA1	ISA-14 IFBA Processing
07672	7-Feb-2008	Exsiting IFBA Sandblast cabinet & reclaimers are at the end of life.	Replace IFBA Sandblaster	Remove existing IFBA Sandblast cabinet & reclaimers. Install new Sandblast cabinet & reclaimers. (New sandblast cabinet will have active engineered control to not allow sandblast operation with cabinet door open.)	IFBA FA3	ISA-14 IFBA Processing
07674	15-Feb-2008	The current pump has leaking problems, especially when the pump is turned off. The new pump design would address the leaking seal issue with a double mechanical seal that has DI water as a seal fluid.	New 105 B pump	Remove the current precipitator pump that runs when line 1 is running UF6, and replace it with a Goulds 3196 centrifugal pump with a double mechanical seal.	105 B pump	ISA-03 ADU Conversion

07678	26-Feb-2008	The GE QuickPanel is a much simpler system and will relieve the current maintenance issues of the PanelMate touch screens and the auxiliary contact will provide a true indication of a motor trip.	Line 1 Decanter Control Panel Upgrade	Replace the Line 1 PanelMate touch screen with a GE QuickPanel touch screen and add an auxiliary contact for the hydraulic motor breaker.	ADU Line 1 Decanter	ISA-03 ADU Conversion
07679	3-Jan-2008	Electrical noise from the boat inverter motor is interfering with the operation of 3B furnace PLC.	Add isolation transformer to 3B boat inverter	Add a 480/120 volt transformer to power the boat inverter on 3B furnace. This will provide electrical isolation between the motor and the PLC.	3B Furnace	ISA-08 Pelleting
07680	7-Feb-2008	Reduction of explosive atmosphere inside the acetone tank.	Argon purge oxide coater 1	Replace air purge with argon purge on acetone tank on oxide coater 1.	Oxide coater 1	Miscellaneous
07685	18-Jan-2008	To power low voltage lighting and sprinkler system.	Install transformer for low voltage security lighting	Install 5KVA transformer for low voltage lighting and sprinkler system near entrance to parking lot	Near entrance to employee parking lot	Grounds
07687	4-Jan-2008	Approved capital project	Structural Modification	="This CCF prepares the pellet press platform to accommodate the re-built pellet press installation that will be covered under CCF 07516. The platform modifications will involve replacing the existing staircase with the same type of re-moveable staircase in	Pellet Line 4	ISA-08 Pelleting
07690	24-Jan-2008	The "T" fitting is leaking and not necessary.	Remove "T" Fitting on City Water Line Between Tanks T-2 and T-4	Remove "T" Fitting on City Water Line Between Tanks T-2 and T-4	City Water Line in Tank Farm	ISA-06 Chemicals Receipt, Handling and Storage
07691	10-Jan-2008	Moderator in a NFG is a criticality concern	Fitzmill cooling water modifications and testing	="In order to determine if we need cooling water on the Fitzmill shaft bearings and the mill head cooling jacket while we are milling UO2 powder, a test is going to be conducted on the Line 4 Fitzmill after the scheduled work management shutdown on 1/22/0	Conversion Line 4 Fitzmill Enclosure	ISA-03 ADU Conversion
07692	2-Jan-2008	Not enough chiller capacity, we need to get another pump online.	MCC-7705 Bad Chiller Pump Starter Cubicle	Chiller pump P Motor control cubicle 2B has damaged "stabs" and "buss". This CCF will allow us to relocate the Pump feed from another cubicle, 3F. Relocating to another cubicle will require us to splice the feed wires to the pump. We intend to repair / replace this MCC, this is temporary repair.	MCC 7705 in equipment room 3	Grounds
08001	14-Apr-2008	The ABB VFD used on the calciner drives ACS-143... is obsolete.	VFD Replacement For Calciner Drives	The ABB VFD used on the calciner drives ACS-143... is obsolete. This CCF will allow us to use the replacement model ACS-350...	Conversion line Calciners	ISA-03 ADU Conversion

08002	28-Jan-2008	Maintenance and operations need to communicate with the control room when performing operations on the boilers. Phones also need to be available in these areas for emergency communications.	Install Phones in Outside Boiler Rooms	Install Phones in Outside Boiler Rooms	Outside Boiler Rooms	Grounds
08003	10-Mar-2008	A new MCC is required since both the old and new MCC will be in use for some time to minimize down time for the ADU Line.	Install MCC 201 to Support Line 2	Install new Emergency Power MCC to support ADU Line 2. The existing MCC 200 emergency power section will have to be removed to allow installation of the New autoclaves for line 1.	UF6 Bay	ISA-03 ADU Conversion
08004	18-Jun-2008	[		(a)(b)(c)	Bay F-G, and Cols. 105-105, on ground and third floors	ISA-14 IFBA Processing
08005	7-Jan-2008	This valve actuator is not supported causing the bracket to sag. This has caused the valve to leak at the stem. Supporting the actuator will prevent this from happening in the future.	Spiking Station #2 Actuator Support	Install a steel member above the actuator on valve XV-1281-12. Support this actuator using the newly installed steel member. This is on spiking station #2.	Spiking Station #2	ISA-03 ADU Conversion
08006	8-Jan-2008	This is a temporary barrier(to be in place ~ 6 months), to protect the Rod Lines from rain, until the roof can be replaced.	FME Barrier	Construct an FME barrier over ADU Rod Lines 1-4. This barrier will be fabricated using a clear 6 mil plastic sheeting.	ADU Rod Lines 1-4	ISA-10 ADU Rods
08007	23-Oct-2008	This project facilitates improvement to the quality of the pellet visual inspection.	Line 1 Pellet Inspection Hood	Revision 1: In addition to the configuration changes described in revision 0, revision 1 will add HVAC changes to ensure that the linear air velocity at the hood face is met. Both fans will be changed to increase draw capacity and all duct diameter will be increased. Revision 0: Replace the existing pellet inspection hood with a new inspection hood. The design of the new hood is based on the existing hood, but it is slightly longer to accommodate two pellet roller assemblies. A model of the hood concept and the roller assemblies can be seen in the attachments.	Line 1 Pellet Inspection	ISA-08 Pelleting

08008	7-Nov-2008	This project facilitates improvement to the quality of the pellet visual inspection.	Line 2 Pellet Inspection Hood	<p>Revision 1: In addition to the configuration changes described in revision 0, revision 1 will add HVAC changes to ensure that the linear air velocity at the hood face is met. Both fans will be changed to increase draw capacity and all duct diameter will be increased.</p> <p>Revision 0: Replace the existing pellet inspection hood with a new inspection hood. The design of the new hood is based on the existing hood, but it is slightly longer to accomodate two pellet roller assemblies. A model of the hood concept and the roller assemblies can be seen in the attachments.</p>	Line 2 Pellet Inspection	ISA-08 Pelleting
08009	3-Sep-2008	This project facilitates improvement to the quality of the pellet visual inspection.	Line 3 Pellet Inspection Hood	<p>Revision 1: In addition to the configuration changes described in revision 0, revision 1 will add HVAC changes to ensure that the linear air velocity at the hood face is met. Both fans will be changed to increase draw capacity and all duct diameter will be increased.</p> <p>Revision 0: Replace the existing pellet inspection hood with a new inspection hood. The design of the new hood is based on the existing hood, but it is slightly longer to accomodate two pellet roller assemblies. A model of the hood concept and the roller assemblies can be seen in the attachments.</p>	Line 3 Pellet Inspection	ISA-08 Pelleting
08010	24-Jun-2008	This project facilitates improvement to the quality of the pellet visual inspection.	Line 4 Pellet Inspection Hood	<p>Revision 1: In addition to the configuration changes described in revision 0, revision 1 will add HVAC changes to ensure that the linear air velocity at the hood face is met. Both fans will be changed to increase draw capacity and all duct diameter will be increased.</p> <p>Revision 0: Replace the existing pellet inspection hood with a new inspection hood. The design of the new hood is based on the existing hood, but it is slightly longer to accomodate two pellet roller assemblies. A model of the hood concept and the roller assemblies can be seen in the attachments.</p>	Line 4 Pellet Inspection	ISA-08 Pelleting

08011	18-Sep-2008	This project facilitates improvement to the quality of the pellet visual inspection.	Line 5 Pellet Inspection Hood	<p>Revision 1: In addition to the configuration changes described in revision 0, revision 1 will add HVAC changes to ensure that the linear air velocity at the hood face is met. Both fans will be changed to increase draw capacity and all duct diameter will be increased.</p> <p>Revision 0: Replace the existing pellet inspection hood with a new inspection hood. The design of the new hood is based on the existing hood, but it is slightly longer to accommodate two pellet roller assemblies. A model of the hood concept and the roller assemblies can be seen in the attachments.</p>	Line 5 Pellet Inspection	ISA-08 Pelleting
08012	8-Oct-2008	This project facilitates improvement to the quality of the pellet visual inspection.	Grinding Line 6 Pellet Inspection Hood	<p>Revision 1: In addition to the configuration changes described in revision 0, revision 1 will add HVAC changes to ensure that the linear air velocity at the hood face is met. The diameter of the duct connecting the hood to the central exhaust line will be increased.</p> <p>Revision 0: Replace the existing pellet inspection hood with a new inspection hood. The design of the new hood is based on the existing hood, but it is slightly longer to accommodate two pellet roller assemblies. A model of the hood concept and the roller assemblies can be seen in the attachments.</p>	Grinder Line 6 Pellet Inspection	ISA-08 Pelleting
08013	19-Aug-2008	This project facilitates improvement to the quality of the pellet visual inspection.	Erbia Pellet Inspection Hood	<p>Revision 1: In addition to the configuration changes described in revision 0, revision 1 will add HVAC changes to ensure that the linear air velocity at the hood face is met. The diameter of the duct connecting the hood to the central exhaust line will be increased.</p> <p>Revision 0: Replace the existing pellet inspection hood with a new inspection hood. The design of the new hood is based on the existing hood, but it is slightly longer to accommodate two pellet roller assemblies. A model of the hood concept and the roller assemblies can be seen in the attachments.</p>	Erbia Manufacturing Pellet Inspection	ISA-20 ERBIA

08014	25-Jan-2008	The recent fire at the HEPA filter for oxide coater II exposed a potential for improvement for the safety of the prep station. Adding a heat shield and rerouting the acetone line will reduce risk of fire in the area.	Oxide Coater II Prep Station Improvements	Reroute acetone line with stainless steel tubing (shorten exposed plastic tubing) and add a heat shield around the HEPA filter.	Oxide coater II prep station	Clean Side Rod Area
08015	7-Feb-2008	1) The handles are in the way and make flipping the fixture/flip tray more difficult. 2) Having Fixture frame markings on the Flip tray will assist the operators in positioning pellets strings while loading the Flip tray.	Fixture Flip Tray modifications	1) Remove handles from Flip tray 2) Mark in some fashion the where the Fixture frame support bars are located on the Flip tray.	IFBA, FA1	ISA-14 IFBA Processing
08017	7-Feb-2008	There have been cases where the lifting arms have move once they were in a "locked" position. Once moved, they have come into contact with the weigh scale beam and/or the rod causing erroneous weights for the rods.	Weigh Scale Improvements	"Improve the weigh scale system through improvements with the handling equipment. The goal is to reduce the number of incorrect weights from the weigh scale. Some ideas for improvement are pinning (or otherwise locking) the lifting arms in place, chang	Rod Weigh Scales "A" and "B"	Clean Side Rod Area
08018	23-Jan-2008	Implement new CSE for area	Modify polypak enclosure to meet new CSE	Modify filter disassembly hood polypak enclosure to meet requirements in new CSE: 1. Provide 1/4" minimum gap between polypak lid and top of polypak 2. Provide 2 1" holes within 1" of the bottom of the enclosure.	Filter disassembly hood	ISA-13 Low Level Radioactive Waste Processing
08020	14-Jan-2008	The leak vents into the workspace. The vent hatch is just like the hatches on lines 1,2, and 5.	Replace rod-out tool on Line 3 with a vent hatch	The packing around the rod-out tool on Conversion Line 3 is leaking. The rod-out tool will be removed and replaced with a vent hatch.	Line 3 Calciner scrubber	ISA-03 ADU Conversion
08022	10-Mar-2008	The Hoffman blower is obsolete. The specified Spencer blower has been the chosen replacement for CFFF.	Line One Dryer Exhaust Blower	"Replace existing Hoffman blower, FN-127, with a Spencer 15X02-H MOD. This will be an identical blower as specified and installed on conversion line five, CCF# 04304. This substitution was also approved on CCF# 04034. It is rated at 130 scfm at 20 inc	CLN1 Dryer	ISA-03 ADU Conversion
08023	12-Feb-2008	The Hoffman blower is obsolete. The specified Spencer blower has been the chosen replacement for CFFF.	Line Two Dryer Exhaust Blower	"Replace existing Hoffman blower, FN-227, with a Spencer 15X02-H MOD. This will be an identical blower as specified and installed on conversion line five, CCF# 04304. This substitution was also approved on CCF# 04034. It is rated at 130 scfm at 20 inc	Line Two Dryer	ISA-03 ADU Conversion

08024	10-Mar-2008	The Hoffman blower is obsolete. The specified Spencer blower has been the chosen replacement for CFFF.	Line Three Dryer Blower	"Replace existing Hoffman blower, FN-327, with a Spencer 15X02-H MOD. This will be an identical blower as specified and installed on conversion line five, CCF# 04304. This substitution was also approved on CCF# 04034. It is rated at 130 scfm at 20 inc	CLN3 Dryer	ISA-03 ADU Conversion
08025	24-Jan-2008	Locktite is on the approved materials list for the tube prep area. Also, the areas that would require locktite do not come in contact with product at any time.	Add Locktite to Oxide Coater II Tube Supports	On 1/10/08 we found several supports that had become loose or fallen off on the coater conveyor. We found several more loose on 1/14/08. These supports need to be tight to prevent damage to the tubes during coating. This CCF is being issued to properly document the change on the equipment drawings. Work is complete.	Oxide Coater II conveyors (prep and coat)	Miscellaneous
08026	10-Mar-2008	The Hoffman blower is obsolete. The specified Spencer blower has been the chosen replacement for CFFF.	Line Four Dryer Blower	"Replace existing Hoffman blower, FN-427, with a Spencer 15X02-H MOD. This will be an identical blower as specified and installed on conversion line five, CCF# 04304. This substitution was also approved on CCF# 04034. It is rated at 130 scfm at 20 inc	CLN4 Dryer	ISA-03 ADU Conversion
08027	22-Feb-2008	Avoid FME Issues between Tool Room and Tube Area caused by the Okamoto Grinder	Relocate Okamoto Grinder	Relocate Okamoto Grinder to CNC area	Tool Room	Miscellaneous
08028	8-May-2008	The current configuration is not stable and requires duct tape and RTV in order to create a seal. This condition may lead to airborne issues.	Ventilation piping for V-219	The ventilation on Line 2 is in poor shape. The piping/valves will be reworked to match that of Lines 1,4, and 5. See CCF 07-605.	V-219	ISA-03 ADU Conversion
08029	25-Apr-2008	The current configuration is not stable and requires duct tape and RTV in order to create a seal. This condition may lead to airborne issues.	Ventilation piping for V-319	The ventilation on line 3 is in poor shape. The piping/valves will be reworked to match that of Lines 1,4, and 5. See CCF 07-605.	V-319	ISA-03 ADU Conversion

08031	27-Aug-2008	<p>The stainless steel belt is unreliable and very expensive to replace.</p> <p>The stroker creates excessive scrap in the area due to its inefficient operation.</p> <p>Conveyor designs are typically a pull system. Our current system is a push system. Also the motor protrudes into the operator work space.</p> <p>A conceptual drawing is attached!</p>	Pellet Grinder Line 1 Surge Conveyor	<p>The stainless steel belt on the surge conveyor will be replaced with Polycords used on line 6 and ERBIA grinder system to transfer pellets from the grinder the tray loader.</p> <p>The stroker will be removed and pellets will be loaded onto the tray with the force of the polycords.</p> <p>The conveyor motor will be replaced with a smaller variable speed unit near the tray loader.</p>	Line 1 Grinder	ISA-08 Pelleting
08032	24-Jan-2008	<p>The sight ports/targets will allow checking furnace temperature with a pyrometer. Currently the Erbia furnace has no methodology for verifying furnace temperature other than the thermocouples. Upon the recent disassembly of the furnace, the brick condition indicated the furnace had been over-heated. Being able to verify the temperature with the pyrometer will provide an overcheck that the thermocouple temperature output is correct and thus, prevent overheating.</p> <p>Note that the OEM(Lindberg) original specifications had the thermocouples entering thru the top of the furnace i.e. we will actually be returning the furnace to the OEM original configuration. The proposed changes have been reviewed and approved by Lindberg.</p>	Erbia S2 Furnace Modification.	"Install the (3) high temperature zone thermocouples thru the top of the furnace instead of the side of the furnace. Install a sight port in each of the (3) ports in the side of the furnace where the thermocouples were installed. Install moly targets on	Erbia S2 Furnace	ISA-20 ERBIA
08033	7-Feb-2008	To prevent inadvertent activation of the E-Stops.	Rod Line 5 E-Stop Guards	Install guards around E-Stops on Rod Line 5 PanelMates.	Rod Line 5 PanelMates	ISA-10 ADU Rods

08034	21-Jan-2008	Hydracell pump is not experiencing acceptable service life in this application. Additionally, Goulds 3298 mag drive pumps are standard in SOLX/dissolvers/UN areas with good service life.	Replace P-1075 with mag drive centrifugal pump	Replace P-1075 Hydracell pump with Goulds 3298 1 x 1.5 x 5 XS frame mag drive centrifugal pump.	V-1075	ISA-07 Solvent Extraction
08035	26-Feb-2008	The existing controllers are long obsolete and spares are no longer available.	Substitute Boiler sequence controllers	Replace the sequence controllers on the two North American boilers with the same type of controller that was installed on the Powermaster boiler in 2005 - CCF# 05-259	Boiler House in Waste Treatment area.	Grounds
08036	2-Jun-2008	The current pumps are obsolete. Replacement parts are no longer available.	Replace AOD pumps for Liquid Scrap Tanks	="The current AOD pumps used for the Liquid Scrap Tanks will be replaced by new AOD pumps. The manifold will have to be redesigned due to the new configuration of the inlet and outlet of the new pumps. The air lines going to the pumps will also be recon	Liquid Scrap Tanks AOD	ISA-03 ADU Conversion
08037	29-Jan-2008	We need pressure indication on the discharge of these pumps to troubleshoot potential blocked line issues.	Add Pressure Gauges on P-1116 A/B Discharge	Add Pressure Gauges on P-1116 A/B Discharge	River Discharge Pumps	ISA-15 URRS Wastewater Treatment System
08038	22-Jan-2008	="During the operation of the line 1 automatic sampler we have periodically experienced uncharacteristically high MM1 samples. We manually re-sampled all of this material and it was determined that this material had a false high initial moisture result.	Modify Champs to Re-sample MM1.	This CCF is to change Champs to allow for MM1 re-sample. This re-sample will only take place if the MM1 fails and the MM2 passes. This has been a re-occurring event on the lines with the automatic moisture sampler.	This transaction will take place in the Scrap Cage.	ISA-03 ADU Conversion
08039	29-Jan-2008	Currently, operators must squeeze between a walking platform and an ammonia chiller area. The new steps will allow operators to evacuate the area quickly in case of an emergency.	Installation of new stairs located next to UF6 cylinder convayer outside	This CCF will install a set of steps to connect to the existing walking platform by the UF6 convayer outside. The stairs will comply with OSHA standard 1910.24.	URRS Outside UF6 Bay Convayer	Grounds

08040	1-Apr-2008	The new Wire EDM will result in significant cost savings, improved tooling quality, and improved fabrication time.	Install Mitsubishi FA20S Advanced Series Wire EDM	<p>Complete all work necessary to install the Mitsubishi FA20S Advanced Series Wire EDM.</p> <p>This will include providing instrument air, DI water, and power.</p> <p>Walls of the modular offices involved will be modified/removed/constructed as necessary to create an appropriate enclosure for the equipment.</p> <p>The local area will be rearranged as necessary to accommodate the new equipment.</p>	Tool Room, between the Baltec and existing EDM	Miscellaneous
08041	2-May-2008	The existing PVC piping is sagging and needs to be replaced before mechanical failure occurs.	Scrap Cage Monitor Discharge Piping	Replace PVC piping between scrap cage monitor and Q-tanks with stainless steel piping in accordance with FSS-003-40. The section is located above the scrap cage scrap hood to the other side of line one.	Over Line One	ISA-03 ADU Conversion
08042	30-Jan-2008	<p>PI325D is not rated for the temperature of the system. The other pressure gauge was removed in the past and a threaded plug is in its place which does not meet pipe specs and is leaking. If the pressure gauges are removed there is no need for the isolation valves.</p> <p>This change has been approved from a process perspective per Spencer Cheung.</p>	DR325 Hot Oil Pressure Gauges	Remove pressure gauges and isolation valves associated with the conversion line three hot oil system. Valves 023-7 and 024-1 and pressure gauge PI325D, reference 336F04PI02. Weld a pipe cap over the 1/2 inch pipe.	CLN3	ISA-03 ADU Conversion

08043	8-Feb-2008	Concerns over FME contamination within the carts. FME can still fall into the carts now and may contaminate the outside of the tubing. Full length covers will minimize this foreign material.	ADU tube cart covers	Add mylar covers to the tube carts in ADU to cover the entire length of the cart. The mylar covers will be held on one side by a stainless steel clamp, and held down on the opposite side with a stainless steel rod inside of the cover. End covers will be shaped to overlap while the carts are not extended, and still cover the length of the cart while extended. Addendum per Brian Craig on 2/8/08: The thickness of the plastic cover for the ADU tube carts will not exceed 0.010". This is in an effort to minimize the potential for a criticality event. The tubes in this cart are never loaded and this plastic is not to be used to cover loaded fuel rods at any time.	ADU rod area	ISA-10 ADU Rods
08044	29-Feb-2008	There is a need for more conference and this space was available	Create Conference Room 212	Remove guards desk, relocate badge reader and computer. Add two walls with doors to the old Office entrance where conference 111 is located to create new conference room 112.	New Exp Area	Grounds
08045	25-Feb-2008	This modification is needed to improve the alignment between the cassette and the loading station, address a maintenance problem and prevent excessive wear on the elevator.	Rod Line 7 Cassette Elevator Modification	Modify the cassette elevator on Rod Line 7 to include a mechanism (retaining ring, etc.) to hold the bushings in their housing as the cage is raised and lowered. This modification will be made on all four corners of the elevator.	Rod Line 7 Cassette Elevator	ISA-14 IFBA Processing
08046	12-Feb-2008	PI225D is not rated for the temperature of the system. If the pressure gauges are removed there is no need for the isolation valves.	DR225 Hot Oil Pressure Gauges	"Remove pressure gauges and isolation valves associated with the conversion line two hot oil system. Valves 021-8 and 024-2 and pressure gauge PI225D, reference 335F04PI02. Gauge PI252E will also be removed from the drawing, it is not currently in the f	CLN2 Hot Oil Dryer	ISA-03 ADU Conversion
08047	5-Mar-2008	The pressure gauges are not rated for the temperature of the system. If the pressure gauges are removed there is no need for the isolation valves.	DR125 Hot Oil Pressure Gauges	Remove pressure gauges and isolation valves associated with the conversion line one hot oil system. Valves 024-1 and 026-5 and pressure gauges PI125D and PI125E, reference 334F04PI02. Weld a pipe cap over the 1/2 inch pipe.	CLN1 Hot Oil Dryer	ISA-03 ADU Conversion
08048	10-Mar-2008	The pressure gauges are not rated for the temperature of the system. If the pressure gauges are removed there is no need for the isolation valves.	DR525 Hot Oil Pressure Gauges	Remove pressure gauges and isolation valves associated with the conversion line one hot oil system. Valves 023-7 and 040-2 and pressure gauges PI525D and PI525E, reference 338F04PI02. Weld a pipe cap over the 1/2 inch pipe.	CLN5 Hot Oil Dryer	ISA-03 ADU Conversion

08049	17-Apr-2008	The pressure gauges are not rated for the temperature of the system. If the pressure gauges are removed there is no need for the isolation valves.	DR425 Hot Oil Pressure Gauges	Remove pressure gauges and isolation valves associated with the conversion line one hot oil system. Valves 022-4 and 026-1 and pressure gauges PI425D and PI425E, reference 337F04PI02. Weld a pipe cap over the 1/2 inch pipe.	CLN4 Hot Oil Dryer	ISA-03 ADU Conversion
08050	28-Jan-2008	The old drives are no longer available.	Substitute ACS350 drive for obsolete ACS500	There are a number of obsolete ABB ACS500 variable frequency drives installed throughout the plant. They are obsolete and new ones are not available. They will be replaced by ACS350 drives which are the current range of drives from ABB. The immediate need is to replace the drive on LIC1178. Still 2 is down until the failed drive is replaced. This CCF does not cover any substitutions that are part of safety significant controls.	Still 2 ground level	ISA-15 URRS Wastewater Treatment System
08051	10-Mar-2008	Previous Buss Connection failures on these units indicate that these MCCs need to be upgraded to prevent more failures going forward.	MCC-7705 and MC-7706 repair / upgrade	Replace buss-bar and bucket connectors as needed in Motor Control Center. MCC-7705 and MCC7706. We have had several connection failures on these MCCs due to their age (approx. 30yrs). This CCF will allow us to "rebuild" / "upgrade" these MCCs as needed. This work is planned for the 2008 shutdown. Our intention is to replace like-kind parts but due to the age of the units we will probably have to make some changes. This CCF will allow us to make the necessary modifications if necessary.	Equip. Room3 on the clean side above Maintenance.	Grounds
08052	30-Jan-2008	"Currently, there is a lot of construction taking place around the conveyor. Once all the construction is finished there will be very limited maneuverability in this area. This remote will allow the transportation employees to safely operate the conveyor	Install a Tele-crane remote system on the UF6 outside conveyor.	Install remote system with two remotes on the outside UF6 conveyor.	UF6 Conveyor located directly outside Conversion.	ISA-03 ADU Conversion
08053	10-Mar-2008	The centrifuge motor starter on Grinder Line 1 trips during start-up when there is a load in the centrifuge. Currently, Square D starter is being used on Grinder 6 which has the same motor size as line 1. Replacing the Fuji starter will prevent overload start-up trip.	Replace centrifuge motor starter on Grinder Line1	Replace the centrifuge Fuji motor starter on grinder line 1 with a Square D or Cutler Hammer type starter.	Grinder Line 1	ISA-08 Pelleting

08054	11-Apr-2008	The equipment was purchased with capitol money and needs to be installed to support the workload of the chemical laboratory.	Chem Lab Waste Treatment ICP	Install utilities required to run a new Spectro-GENESIS ICP in the middle of the chemical laboratory waste treatment room. Utilities include electric, ventilation, and plant argon supply. Cabinetry work will also be required in the middle of the room. This will also approve the installation and functional testing of the equipment.	Chemical Laboratory Waste Treatment Room	ISA-18 Laboratories
08055	29-Feb-2008	(a)(b)(c)	Trailer #5,#6,#7 & Training Trailer	Install 2 new trailers located behind Trailer #4 and 2 trailers behind IFBA	Next to IFBA	Grounds
08057	13-Mar-2008	New equipment acquisition.	Install CNC Bed Mill	Install CNC Bed Mill in Tool and Die CNC Area.	Tool and Die CNC Area	Miscellaneous
08059	7-Jul-2008	This Blue "M" is abandoned in place and at some point in the future will be removed from the Conversion floor. Until then all openings on the hood will be covered, taped and sealed by Operations.	ADU Line 5 Blue "M" Vent	This project involves disconnecting and capping the ventilation for ADU Line 5 Blue M Oven / Hood. Scrubber system 1030 currently services this Oven / Hood.	Conversion Line 5	ISA-03 ADU Conversion
08060	6-Feb-2008	This will prevent the ladder from being hit in the future.	Move ladder in Bulk Blending room.	Move ladder from existing location to the sample station platform and replace hand rail on platform.	Bulk room platform	ISA-05 ADU Bulk Powder Blending
08061	7-Feb-2008	This new switch offers operational stability and improved performance.	Electronic Flow Switches on Chillers 5,6 & 7	This modification involves replacing the antiquated differential pressure switches on Chillers 5,6 & 7 with factory recommended electronic flow switches.	Mechanical Equipment Room #3	Grounds
08062	21-May-2008	It is harmful to breath strong ammonia fume. This is identified as a safety concern for the operators in the area.	Q tanks vent improvement	Currently, the Q tanks vent is connected to the S-1008 scrubber via a 3" header. The vent is vented from each tank via a 1" line to the 3" manifold. When the Q tank bag filters required blow down, there is not enough ventilation to exhaust the compressed air. The ammonia smell become unbearable in the area. 1. Increase the 1" discharge of the Q tank to 2". 2. Install a vent seal pot (cream can) on the 1/2" overflow line. 3. Install vacuum break for each tank to prevent backflow of Q tank liquid into the scrubber as recommended by the PHA.	Q tanks are located between line 1 and line2	ISA-03 ADU Conversion

08063	14-Mar-2008	Acid wash is required after switching Q tank bank, the purpose is to remove all the accumulated uranium inside the Q tanks. This is done for the purpose of uranium accountability and criticality safety.	Modification for Q tanks acid wash	"The off-line Q tanks cartridge filters are rendered inoperable by removal of the external housing for criticality safety. The modifications to acid washing the off-line Q tanks are to remove all cartridge filter internals plus externals. One side of the	Q tank filtration area	ISA-03 ADU Conversion
08064	12-Mar-2008	We have a large installed base of Panelmate OITs in the plant. Some of these units are unavailable (obsolete) or the price is becoming prohibitively expensive. Westinghouse has adopted the GE Quickpanel as the OIT of choice going forward, but due to time/cost constraints it may be prudent to upgrade to a newer model Panelmate instead of the GE unit. This CCF will allow us to upgrade OITs for utilities which are under maintenance control.	Panelmate Operator Interface Terminal (OIT) Replacement	Replace "non-safety significant" OITs with newer model Panelmates or GE QuickPanels. The CCF will cover upgrade or replacement of obsolete Panelmate for utilities which are under Maintenance control.	Control Panel for Chillers	Miscellaneous
08065	11-Apr-2008	The cartridge filters are no longer in use for the Q tanks. They are replaced by the bag filter that are safer to operate with increasing filtering efficiency.	Removal of Q tank Cartridge filter and support	The 216 bank of cartridge filters are obsolete and they are replaced by the Bag filter system. The drain pan, cartridge filter base and support table are to be removed.	Columbia fabrication facility	ISA-03 ADU Conversion
08068	18-Feb-2008	The GE QuickPanel is a much simpler system and will relieve the current maintenance issues of the PanelMate touch screens and the auxiliary contact will provide a true indication of a motor trip.	Line 2 Decanter Control Panel Upgrade	Replace the Line 2 PanelMate touch screen with a GE QuickPanel touch screen and add an auxiliary contact for the hydraulic motor breaker	ADU Line 2 Decanter	ISA-03 ADU Conversion
08069	10-Mar-2008	The GE QuickPanel is a much simpler system and will relieve the current maintenance issues of the PanelMate touch screens and the auxiliary contact will provide a true indication of a motor trip.	Line 3 Decanter Control Panel Upgrade	Replace the Line 3 PanelMate touch screen with a GE QuickPanel touch screen and add an auxiliary contact for the hydraulic motor breaker.	ADU Line 3 Decanter	ISA-03 ADU Conversion
08070	26-Feb-2008	The GE QuickPanel is a much simpler system and will relieve the current maintenance issues of the PanelMate touch screens and the auxiliary contact will provide a true indication of a motor trip.	Line 4 Decanter Control Panel Upgrade	Replace the Line 4 PanelMate touch screen with a GE QuickPanel touch screen and add an auxiliary contact for the hydraulic motor breaker.	ADU Line 4 Decanter	ISA-03 ADU Conversion

08071	7-Feb-2008	The items currently mounted on the wall must be moved to accommodate for the WFMS board.	Move t.v. and computer to allow for WFMS board.	Remove both dry erase boards, computer, t.v., and printer from the wall. Relocate the printer across the room beside the desk. Mount the t.v. in the meeting room inside the control room. Mount the WFMS board.	Conversion Control Room	ISA-03 ADU Conversion
08072	25-Jun-2008	The two existing filter houses are 20 plus years old. The sheet metal enclosures of the filter houses are severely degraded with holes rusted through the door seals and locking mechanisms broken beyond repair.	Conversion Decon Room HEPA Filter House	"This is a two phase project. The first phase involves the demolition of two filter houses (FL-977 & FL-978). The filter houses, as shown on drawing 339F03PI02, supply ventilation for a dry work hood VH-1430, a dust collector DC-1427 and a flex work arm F	Conversion Decon Room	ISA-03 ADU Conversion
08073	8-Feb-2008	"Final Assembly processes generate substantial quantities of zirconium fines. Frequent cleaning is required at each loader and in packing to insure a safe working environment. The Tiger Vac is a pneumatically driven vacuum that reduces the possibility o	Tiger Vac - Airline Connections	To support the use of the Tiger Vac non explosive vacuum cleaner, additional airlines and take up reels are required in packing and final assembly	PSEWR issued to Address Specific Locations	ISA-17 Final Assembly
08074	8-Apr-2008	Some beeper boxes do not have the range to effectively monitor the process and are giving nuisance alarms	Beeper Box Upgrade Kit	"We have an upgrade kit in the storeroom to modify our beeper boxes to allow them to work properly. this kit includes internal tubing and a more accurate switch with a larger range. This upgrade kit makes our older beeper boxes the functional equivalent	Conversion area beeper boxes	ISA-03 ADU Conversion
08075	12-Feb-2008	Moderator in a NFG is a criticality concern	Conversion Line 2 Fitzmill cooling water modifications and testing	"In order to determine if we need cooling water on the Fitzmill shaft bearings and the mill head cooling jacket while we are milling UO2 powder, a test is going to be conducted on the Line 2 Fitzmill after a scheduled work management shutdown. This test	Conversion Line 2, Fitzmill Enclosure	ISA-03 ADU Conversion
08076	26-Feb-2008	More secure network	Move the VIPER and Freon PLCs and HMI computers to the PCN network.	Move the VIPER Loop and Freon Loop PLCs and HMI computers to the PCN network.	Product Engineering Test Lab	ISA-18 Laboratories

08077	4-Apr-2008	<p>*Integral part of a Green Belt project improvement.</p> <p>*CAPs issue requiring better cleaning method</p> <p>*FME concerns</p> <p>*Quality Concerns</p> <p>*Procedural Compliance Concerns</p>	Tool Room Cleaning and Inspection Area	<p>The area in the Tool Room, behind the restrooms, currently used as a lay-down area, will be utilized as the Tool Room Cleaning and Inspection Area.</p> <p>Bring the following equipment into service:</p> <p>Mini-Max Steam Cleaner (installed without a CCF) Ultrasonic Cleaner System (installed under CCF 05257) Covered Rinse Tank of Alcohol (New) Covered Rinse Tank of Acetone (New)</p> <p>Electrical - Revise Drawing 510F08EL02:08 to show existing receptacle "RP-11A CKT #10" which is not shown. Also change RP-11A CKT #10 from 30 Amp to 30 Amp-GFI.</p> <p>Install tables.</p> <p>Install handrail along aisle perimeter.</p>	Tool Room, area behind the restrooms	Miscellaneous
08078	10-Mar-2008	Pellets were found in the drain pipe of a sink in one of the hoods in the IFBA chem lab. 8 mesh SS screens will stop all pellets and sizeable pellet chips from going down the drain.	Install screens in all sink drains in all chem labs.	Install screens in all sink drains in IFBA chem lab, main lab, and Erbium chem lab. Please use 8 mesh SS if possible.	IFBA chem lab, main chem lab, Erbium chem lab.	ISA-18 Laboratories
08079	6-Oct-2008	Currently, operators pull samples from the drain valves located on the suction side of the pumps. These drains are located a couple inches from the ground, and discharge horizontally creating likely scenario for spills.	Relocation of sample valves on ammonia chiller system	This CCF will install a ball valve under each of the pressure gauges on the discharge line of the ammonia chiller system (P-1154 A&B).	Conversion Services / Chiller System	ISA-03 ADU Conversion
08080	8-Feb-2008	This situation occurs occasionally when a U3O8 blend fails isotopic and has to be re-blended.	Modify ChAMPS to allow the U3O8 gather transaction when it contains a bulk container.	The problem is due to the bulk container (0013) being included in the blend. The current sql doesn't handle null, which is returned since the bulk container is not in the carrier table.	Gather transaction terminal just outside of Bulk Blending	ISA-05 ADU Bulk Powder Blending
08081	2-Oct-2008	Existing hardware is aging and will be replaced on an as needed basis.	New Model Desktop PC - 6072-A5U	Lenovo PC model 6072-A5U will be used as a like kind replacement for existing manufacturing systems computers. This PC will be used plant wide.	Plant wide	Grounds

08082	11-Feb-2008	The line cannot run without detecting for springs. The PLC program will be returned to normal after the TEST95 contract is complete (approx. 350 tubes).	Temporary change to plugging program	="Change the plugger PLC program to allow tubes from contract TEST95 to run without springs in place. This change is to allow the line to run without checking for the presence of springs only for the TEST95 contract (hollow, tubes with no pellets, helium	ADU rod line running TEST95 contract (TBD)	ISA-10 ADU Rods
08083	29-Apr-2008	Moderator in a NFG is a criticality concern	Conversion Line 3 Fitzmill cooling water modifications and testing	="In order to determine if we need cooling water on the Fitzmill shaft bearings and the mill head cooling jacket while we are milling UO2 powder, a test is going to be conducted on the Line 2 Fitzmill. This test will involve shut-off of the cooling water	Conversion Line 3, Fitzmill Enclosure	ISA-03 ADU Conversion
08084	10-May-2008	="Modification just like CCF 07-462. As per the Line 5 autoclave LOPA: The current vacuum break on the precipitator columns is located at a height of 8 feet. When the column overflows the material sprays out in all directions. Directing the material to	Overflow on V-105A,B Vacuum Break	The current vacuum break will be modified. An additional pipe will be directed to the floor from the precipitator's vacuum break. The piping and valving connecting the two precipitators' vacuum break will be eliminated.	Precipitator on Line 1	ISA-03 ADU Conversion
08085	28-Feb-2008	Moderator in a NFG is a criticality concern	Conversion Line 1 Fitzmill cooling water modifications and testing	="In order to determine if we need cooling water on the Fitzmill shaft bearings and the mill head cooling jacket while we are milling UO2 powder, a test is going to be conducted on the Line 1 Fitzmill. This test will involve shut-off of the cooling water	Conversion Line 1, Fitzmill Enclosure	ISA-03 ADU Conversion
08086	2-Apr-2008	Moderator in a NFG is a criticality concern	Conversion Line 5 Fitzmill cooling water modifications and testing	="In order to determine if we need cooling water on the Fitzmill shaft bearings and the mill head cooling jacket while we are milling UO2 powder, a test is going to be conducted on the Line 5 Fitzmill. This test will involve shut-off of the cooling water	Conversion Line 5, Fitzmill Enclosure	ISA-03 ADU Conversion
08087	2-May-2008	The configuration creates tight spaces for the Operators to work in. Reconfiguring the piping will open up the workspace for easier egress.	Ammonia and DI Water Heat Exchanger Piping Rework	The piping and valves for the Ammonia and DI water heat exchangers will be reworked to eliminate needless runs and to improve access/ergonomics.	Line 1 Ammonia/DI water heat exchangers	ISA-03 ADU Conversion
08088	21-Apr-2008	GE PLC offers a better means of logging temperature	Reroute Fitzmill Bearing Thermocouple wires to Moisture Sampling PLC on Conversion Line 4	="Two thermocouples were installed to monitor the fitzmill bearing temperatures on Conversion Line 4 under CCF 07-691. These temperatures are being displayed and logged viz a portable Omega datalogger. This CCF is being written to replace the current th	Conversion Line 4, Fitzmill Enclosure	ISA-03 ADU Conversion

08089	4-Apr-2008	Installation of the Safety Shower/Eyewash Station will reduce the distance an employee must travel to reach a Safety Shower/Eyewash and would be more visible for employees. The applicable standard is ANSI Z358.1.	New Safety Shower/Eyewash Station in UF6 Bay	Based on industry standards a new Safety Shower/Eyewash Station must be installed in the UF6 Bay between ADU lines 1 and 4.	UF6 Bay	ISA-03 ADU Conversion
08093	10-Mar-2008	V-412 is the only -12 that has this gauge. The gauge fills with water and provides no value.	Magnehelic removal on V-412	V-412 has a Magnehelic gauge that is installed on the blower line. The gauge fills with water after a short period of time and is rendered inoperable. The gauge will be removed and replaced with a plug.	V-412	ISA-03 ADU Conversion
08094	14-Mar-2008	This will allow for proper balancing of the bulk mill rotating assemblies.	Bulk Mill Sheaves	Drill and tap a circle of holes around the center of the bulk mill sheave. One will be placed every fifteen degrees. Sheave is SR# 341128.	Bulk Mills	ISA-05 ADU Bulk Powder Blending
08095	26-Feb-2008	The converter needs to be installed to ensure proper operation.	Install NPN to PNP converter for Skeleton fixture #1	Install NPN to PNP converter for Skeleton fixture # 1.	SKELETON FIXTURE ASSEMBLY	Miscellaneous
08096	26-Feb-2008	The converter needs to be installed to ensure proper operation.	Install NPN to PNP converter for Skeleton fixture # 2	Install NPN to PNP converter for Skeleton fixture # 2.	SKELETON FIXTURE ASSEMBLY	Miscellaneous
08097	26-Feb-2008	The converter needs to be installed to ensure proper operation.	Install NPN to PNP converter for Skeleton fixture # 3	Install NPN to PNP converter for Skeleton fixture # 3.	SKELETON FIXTURE ASSEMBLY	Miscellaneous

08098	9-Apr-2008	<p>We currently face two issues with man lifts at the CFFF.</p> <p>The first issue involves the televator two man lifts. These lifts are obsolete with no replacement parts available, wooden guardrails and zero factory support. They do not meet ANSI specifications. Until these obsolete lifts are replaced we are waiting on an inevitable accident to occur.</p> <p>The other issue involves the single man lifts equipped with outriggers. Because of the floor space required by this type lift, these lifts will not physically fit where needed. Due to the space constraints, the lift operators can not fully extend the outriggers, thus jeopardizing their safety.</p>	Chemical Area Manlifts	<p>This project involves decommissioning (4) man lifts located in the Chemical Area and replacing them with man lifts which comply to the latest revisions of the following standards: (1)ANSI A92.6 (2)CSA 3-B354.2-01</p> <p>Description of new lifts:</p> <p>Two of these man lifts are self propelled battery powered elevating aerial work platforms. The hydraulic reservoir is 1.2 gallon capacity.</p> <p>One of the man lifts is a self propelled battery powered elevating scissor lift. The hydraulic reservoir is 4.5 gallon capacity.</p> <p>One of the man lifts is a self propelled battery powered articulating boom. The hydraulic reservoir is 8 gallon capacity.</p> <p>See attached specification sheets for further details.</p>	Chemical Area	Grounds
08101	16-Feb-2008	Old Pantec X-ray has stop functioning and needs to be replaced.	Replace x-ray QC inspection	Replace old X-ray PanTec model 320 with new GE Titan model 320 X-ray unit located in the QC inspection area.	QC inspection	Miscellaneous
08102	19-Mar-2008	R&D for ADOPT implementation in CFFF.	Use modified Erbia lab hood for ADOPT tests	"Use the temporarily modified Erbia lab hood to run tests with ADOPT pellets from Vasteras. Ten pellets are available for the tests. The pellets will be oxidized at different temperatures and analyzed for Cr+6. The U3O8 will be dissolved in the main lab	Erbia Chem Lab, muffle furnace vent hood #9316	ISA-20 ERBIA
08104	12-May-2008	There are leaks at the manway covers on all the units and at the threaded nozzles on the carbon purifiers.	Repair Manways and Nozzles on DI Water Units	<p>The liners on the carbon purifiers are baked phenolic. The liners on the cation and anion units are PVC or Plastisol. The repairs will be made in chemical cure semi hard rubber or like material to adhere to the current liners.</p> <p>The leaking threaded nozzles will be converted to welded nozzles.</p>	DI Water	ISA-15 URRS Wastewater Treatment System

08105	20-May-2008	Recurring maintenance issues with blockage of ventilation duct on the cake dissolver in the scrap cage of Conversion.	Cake Dissolver Hood in Conversion Scrap Cage	"The duct which supplies ventilation to the cake dissolver in the scrap cage encounters frequent blockage issues. This duct is PVC and after repeated removal for maintenance the integrity is now jeopardized. This CCF will allow replacement of the PVC duc	Conversion Scrap Cage	ISA-03 ADU Conversion
08106	4-Apr-2008	The floors are in bad shape, especially in areas where corrosive chemicals come in contact with the floors more frequently.	Resurface floors on Conv L3	A contractor will grind down the current surface of the floor at conversion line 3. After making the floor level, they will apply the new floor coating. The grinding process will be monitored by HP personnel to control airborne material. Portable Nilfisk vacuums will be used to collect some of the dust created by the grinders. Where larger grinders may be necessary, the pieces will be collected by scooping and placing into 5 gallon buckets. If an acceptable amount of airborne cannot be contained, plastic sheeting will be used to enclose the area.	floors of line 3	ISA-03 ADU Conversion
08107	4-Apr-2008	This is in response to a safety near miss CAP# 08-051-C004. The drain valve is currently positioned so that it is hanging out in the aisleway. By reorienting it it will be more structurally sound and it will be protected in part by the P-206C stand.	Drain on V206	Re-orient the low drain on V206 in such a way that the drain is in the plant West direction.	V206	ISA-03 ADU Conversion
08108	12-May-2008	The current configuration makes it difficult for maintenance to align the pumps. Caustic salts out of the mechanical seal, erodes the face, and leaks after little service. The disconnect will be upgraded to current plant standards.	Upgrade P-14 A/B	"Install a new centrifugal pump with a dual seal and a water flush. Install a new nozzle on T-14 to properly align the suction piping to the new pump. Incorporate double block and bleed on the pump manifold. Upgrade pump disconnect to properly allow is	T-14	ISA-06 Chemicals Receipt, Handling and Storage
08109	8-May-2008	LI-10 was replaced and the vessel needs to be leak checked prior to putting back into service. Previous tests were done to 80 psi with plant air and soap test. This test will be at the normal working pressure.	Leak Check T-10 with Pressurized Nitrogen	Temporarily connect T-10 to the Nitrogen supply header to pressurize the vessel to 120 psi. We will slowly bring the pressure up with an in line regulator and hold the pressure as recommended by ASME standards.	T-10	ISA-06 Chemicals Receipt, Handling and Storage
08111	2-May-2008	Currently tape is used to keep the doors from opening unintentionally as there is no latch. This configuration was approved for use on lines two through four.	Fitzmill Door Latch	Add a Southco compression style latch to the favorable gemometry container door on lines one and five calciner and Fitzmill product hoods. This will be the same latch as installed on the new product hoods on lines two through four.	Lines One and Five Product Hoods	ISA-03 ADU Conversion

08112	28-May-2008	Existing pumps are not in good running conditions, and replacement parts cannot be found.	P-1103A&B Replacement	This CCF will replace the existing obsolete pumps, P-1103 A & B, with new improved pumps.	URRS OUTSIDE STILL 1	ISA-15 URRS Wastewater Treatment System
08113	10-Mar-2008	Equipment Reliability	Line 1 Moisture Sampler Pack Up/Down Sensor	"Additional sensors will be added along the outside of the pneumatic cylinder that raises the pack inside the mill hood: one in parallel with the pack up sensor and a second in parallel with the pack down sensor. The additional sensors will lengthen the	Mill	ISA-03 ADU Conversion
08114	10-Mar-2008	Equipment Reliability	Line 2 Moisture Sampler Pack Up/Down Sensor	"Additional sensors will be added along the outside of the pneumatic cylinder that raises the pack inside the mill hood: one in parallel with the pack up sensor and a second in parallel with the pack down sensor. The additional sensors will lengthen the	Mill	ISA-03 ADU Conversion
08115	10-Mar-2008	Equipment Reliability	Line 3 Moisture Sampler Pack Up/Down Sensor	"Additional sensors will be added along the outside of the pneumatic cylinder that raises the pack inside the mill hood: one in parallel with the pack up sensor and a second in parallel with the pack down sensor. The additional sensors will lengthen the	Mill	ISA-03 ADU Conversion
08116	10-Mar-2008	Equipment Reliability	Line 4 Moisture Sampler Pack Up/Down Sensor	"Additional sensors will be added along the outside of the pneumatic cylinder that raises the pack inside the mill hood: one in parallel with the pack up sensor and a second in parallel with the pack down sensor. The additional sensors will lengthen the	Mill	ISA-03 ADU Conversion
08117	12-Mar-2008	Equipment Reliability	Line 5 Moisture Sampler Pack Up/Down Sensor	"Additional sensors will be added along the outside of the pneumatic cylinder that raises the pack inside the mill hood: one in parallel with the pack up sensor and a second in parallel with the pack down sensor. The additional sensors will lengthen the	Mill	ISA-03 ADU Conversion
08120	10-Mar-2008	We have had a high failure rate on the 3-Com Switches for the DeltaV system in Erbia.	Replace DetaV Ethernet Switches	Replace the 3-COM Ethernet switches with the plant standard Cisco switches.	Replace Switches in Computer room and Erbia Scrap Area	ISA-20 ERBIA
08121	13-Mar-2008	Need more office space	Install five new trailers	Install 2 new trailers behind trailer #4, two trailers south of IFBA and one trailer next to the Project Storage Building	Behind trailer #4, Soth of IFBA & Next to PSB	Grounds

08123	6-Nov-2008	The tray counter limit register was found to have changed from 65 to 8001 on grinder line 4 (see CAPS # 07-107-C004). Tray counter is used as an interlock to stop the grinder to clean out the centrifuge sludge bowl.	Numa-Logic Tray Counter Register Issue	Modify Numa-Logic PLC program to ensure the tray counter register limit does not change from 65 to 8001. This change will be performed on grinder line 2.	Grinder Line 2	ISA-08 Pelleting
08124	4-Jun-2008	The tray counter limit register was found to have changed from 65 to 8001 on grinder line 4 (see CAPS # 07-107-C004). Tray counter is used as an interlock to stop the grinder to clean out the centrifuge sludge bowl.	Numa-Logic Tray Counter Register Issue	Modify Numa-Logic PLC program to ensure the tray counter register limit does not change from 65 to 8001. This change will be performed on grinder line 3.	Grinder Line 3	ISA-08 Pelleting
08125	27-Jun-2008	The tray counter limit register was found to have changed from 65 to 8001 on grinder line 4 (see CAPS # 07-107-C004). Tray counter is used as an interlock to stop the grinder to clean out the centrifuge sludge bowl.	Numa-Logic Tray Counter Register Issue	Modify Numa-Logic PLC program to ensure the tray counter register limit does not change from 65 to 8001. This change will be performed on grinder line 4.	Grinder Line 4	ISA-08 Pelleting
08126	30-May-2008	The tray counter limit register was found to have changed from 65 to 8001 on grinder line 4 (see CAPS # 07-107-C004). Tray counter is used as an interlock to stop the grinder to clean out the centrifuge sludge bowl.	Numa-Logic Tray Counter Register Issue	Modify Numa-Logic PLC program to ensure the tray counter register limit does not change from 65 to 8001. This change will be performed on grinder line 5.	Grinder Line 5	ISA-08 Pelleting
08127	20-May-2008	Safety and Fire Protection	Mechanical Area Air Vacuum Quick Disconnects installation	"Plant Air quick disconnects (with appropriate grounding to eliminate static electricity) will be installed to allow operation of explosion proof Tiger Vac Air Vacuums in the Final Assembly Area, Packing Area, BWR Jib Crane, Gamma Scanners and Rod Inspec	Mechanical Area	Grounds
08129	5-Mar-2008	To make room for trailer #5	Remove light pole next to IFBA & Trailer #4	To make room for Trailer #5 the light pole next to trailer #4 will be temporarily removed and another lighting source will be added to trailer #5	Near IFBA & Trailer #4	Grounds
08130	13-Mar-2008	Need for an additional conference room	Create Conference Room 112	Add two walls with doors & two sprinkler heads to create another Conference room in the old Lobby	Old Lobby / Entrance	Grounds

08133	2-May-2008	Due to poor sealing of the pilot line oxidation oven door, multiple failures of the door lift system pillow block bearings have occurred (the heat escaping from around the door dries out the pillow block bearing grease). To resolve the door sealing problems, the stainless steel z-bar gasket was re-installed to restore the door to the original OEM configuration. Upon an attempt to re-install the door, Maintenance discovered that the door guide angles needed to be shifted back 1/4" to allow adequate clearance for the door gasket. Therefore, the guide angles on each side of the door were removed, re-located approximately 1/4" back (toward the oven) from the original position and re-welded in place. Note: This work was accomplished 3/7/08 (2nd shift) thru 3/8/08 as a TA-500, Section 6.3 off-hour/weekend occurrence. Ref. MAPCON W.O. 443183.	Pilot Line Oxidation Oven Door Modification	Shift door guide angles back approximately 1/4".	ADU Pilot Line Oxidation Oven	ISA-08 Pelleting
08134	2-May-2008	This will create clearance between the pack in place sensor and the push plate and decrease auto sampler sensor issues.	Line 5 Pack Pusher	Decrease the overall width of the push plate for the polypack pusher in the Fitzmill product hood to less than the OD of the polypack.	Conversion ADU Line 5 Fitzmill Product Hood	ISA-03 ADU Conversion
08136	4-Apr-2008	Series 90 is obsolete and we are having compatibility issues with the newer programming software.	Series 90 PLC replacement	Replace the obsolete GE series 90 PLC with the current model VersaMax Micro.	Rod Weigh	Miscellaneous
08137	24-Apr-2008	The current regulators do not allow an adequate flow rate through them. They regularly malfunction during offloading.	Reconfigure Air Line to HF Tanker	The current configuration has two regulators to step the pressure down from 80 psi to 5 psi. This CCF will perform this function with one regulator. Pressure gauges will also be installed to confirm that the regulator is functioning properly.	HF Acid Storage and Tanks	ISA-06 Chemicals Receipt, Handling and Storage
08138	4-Apr-2008	Current drive is obsolete and no longer available.	Replace Line 4 Moyno pump VFD	Obsolete ACS500 variable frequency drive will be replaced by plant standard ACS350 drive.	ADU Line 4 dryer feed	ISA-03 ADU Conversion

08139	27-May-2008	A new CSE will be implemented which requires that carriers will be kept 12" apart.	Polypak Carrier Bumpers	The carriers for polypaks will have to be modified to prevent the carts from coming within 12" of one another. Bumpers/guards will be fabricated and mounted to the carriers. Each bumper will be 6" and be mounted on the top and bottom.	Carriers on the lines, storage area, and bulk room	ISA-16 Nuclear Material Storage
08140	4-Apr-2008	This is required so loads can be relocated to the New MCC. It will also allow the normal power MCC100 to be removed at a later date.	Refeed power to MCC100 Emergency Power Section	Refeed power to MCC100 Emergency power section from new MCC101. Currently the MCC is feed from PP2-103HA.	UF6 Bay	ISA-03 ADU Conversion
08141	4-Apr-2008	This is required so MCC 200 Emergency power section can be removed at a later date.	Refeed power to MCC200 Normal Power Section	Refeed power to MCC200 normal power section. The existing feeder goes through MCC 200 Emergency power section which is planned for removal. The source of the power will not change but the physical path the wire is routed will be changed	UF6 Bay	ISA-03 ADU Conversion
08142	4-Apr-2008	This is required so loads can be relocated to the New MCC 201 from MCC 200. MCC 200 will be removed at a later date.	Refeed MCC200 Emergency Power Section	Feed power to MCC 201 Emergency power section from existing automatic transfer switch. Refeed power to MCC200 Emergency power section from new MCC201. Currently the MCC is feed from the automatic transfer switch.	UF6 Bay	ISA-03 ADU Conversion
08143	4-Apr-2008	This will create clearance between the pack in place sensor and the push plate and decrease auto sampler sensor issues.	Line 4 Pack Pusher	Decrease the overall width of the push plate for the polypack pusher in the Line 4 Fitzmill product hood to less than the OD of the polypack.	Conversion ADU Line 4 Fitzmill Product Hood	ISA-03 ADU Conversion
08144	4-Apr-2008	This will create clearance between the pack in place sensor and the push plate and decrease auto sampler sensor issues.	Line 3 Pack Pusher	Decrease the overall width of the push plate for the polypack pusher in the Line 3 Fitzmill product hood to less than the OD of the polypack.	Conversion ADU Line 3 Fitzmill Product Hood	ISA-03 ADU Conversion
08145	4-Apr-2008	This will create clearance between the pack in place sensor and the push plate and decrease auto sampler sensor issues.	Line 1 Pack Pusher	Decrease the overall width of the push plate for the polypack pusher in the Line 1 Fitzmill product hood to less than the OD of the polypack.	Conversion ADU Line 1 Fitzmill Product Hood	ISA-03 ADU Conversion
08146	4-Apr-2008	Currently we start the 2nd condenser pump when the 2nd Chiller is started. This condition gives us too much flow and floods the cooling tower.	Change Condenser Pump control to PLC for Chillers 5,6,& 7	Currently the Condenser Pumps for chillers 5,6, & 7 are controlled by the McQuay Control Panels. This does not give us enough flexibility for controlling the "Chiller System". With the PLC controlling the condenser pumps we will be able to sequence Condenser pumps according to our demand.	Chilled Water	Grounds

08147	2-Apr-2008	CHANGES SIMILAR TO CCF 07-212 & 07646 (Items 1-3)To reduce the possibility for water flow blockage through the sintering furnace cooling sections. Item 4 is no longer in use and needs removed from the drawing. Item 5 is to prevent the elements from shorting together inside the furnace.	5A Sintering Furnace Cooling Water Improvements	1) Add a Hayward Duplex strainer on the cooling water line just prior to the header supplying the furnace. 2) Increase the copper line size from 1/4" to 3/8" diameter to reduce blockages. Change the 1/4" needle valves to 3/8" ball valves as well. 3) Separate the cooling chamber copper lines into 2 individual lines with a valve for each line. 4) Remove the cooling water going to the sight ports. 5) Add ceramic pins where necessary to the element pin walls to prevent element shorting.	5A Sintering Furnace	ISA-08 Pelleting
08148	7-May-2008	Existing breaker is weak and obsolete.	Replace 225 amp breaker in MCC-975	Replace existing 225 amp breaker in MCC-975 with newer style HFD3225 breaker.	UF6 bay	ISA-03 ADU Conversion
08149	4-Apr-2008	"Currently the operators have to go under the computer to reach the controls. There is a potential for injury (bumped head, stretch/strain)during operation of these controls. Relocating these controls to the control panel will put them in an easily acc	Re-Locate Overcheck Station Controls	Currently the overcheck station controls are located under the computer at the overcheck station. This CCF will allow us to relocate the controls to the existing control panel.	Drag Link Rod conveyor to Rod Weigh	ISA-10 ADU Rods
08150	2-May-2008	"Laser Blower for Grid Area requires rinsing periodically and mechanics would have to connect hoses long enough to reach from the Hot House, along the side of the wall and onto the roof to the Blower. This is very time consuming. Installing a stand pipe	Stand Pipe Water Supply for Laser Blower	Install a 1" PVC piping 3ft from the ground to the roof along the outside North side of the Plant wall. This will allow mechanics to transport water from the Hot House to the roof to rinse down Laser Blower.	North Side Of Wall	Miscellaneous
08152	24-Mar-2008	These units are not operational and by removing these units we simplify troubleshooting.	Remove Trim Controls from NA #1 & #2 Boilers	Remove Trim Controls / Economizer units on North American #1 & #2 Boilers. These units were abandoned in place years ago and are not shown on drawings.	Boiler Room #1	Grounds
08154	9-Jun-2008	This unit is not operational and by removal we simplify troubleshooting.	Remove trim Controls from Power Master Boiler	Remove Trim Control / Economizer from the Power Master Boiler. This unit was abandoned in place years ago and is not shown on drawings. This CCF is similar to CCF-08152.	Boiler house #2	Grounds

08158	2-May-2008	"CHAMPS software changes have resulted in the need for higher numbers of samples to be collected in certain situations. The highest number on Sample Grid 4 is 576. Adding a 5th and 6th sample grid set will allow up to 864 possible samples to be collected	Pellet QC Sample Grid 5 & 6	Manufacturer an additional QC sample grid set 5 & 6.	Pellet Inspection Sample Grids	ISA-08 Pelleting
08159	24-Apr-2008	The AP rod is roughly 3" longer than the XL rod, line 9 cannot currently handle this rod length for the expected production requirements.	Line 9 AP Rod Upgrade (Part 1)	"Upgrade bottom end line 9 to allow production of the longer AP rod. This will require the relocation of several conduits, utility lines, the modification of several structural mounting points as well as the repositioning of several stops and switches.	CFFF, Rod Line #9	Clean Side Rod Area
08160	24-Apr-2008	There currently is no material handling path between the leak check and X-ray operations that are wide enough to handle the AP rod length.	UT Outlet Elevator Control Conduit Relocation	Relocate several conduits and pneumatic lines that control the UT outlet elevator to allow for the passage of the longer AP rod. This work is to be completed during the 08 May shutdown.	CFFF, UT Outlet Elevator CP	Clean Side Rod Area
08161	24-Mar-2008	Bad computer replacement.	Replace Computer at Erbia Powder Prep	"Replace the IBM computer at Erbia Powder Prep system with another IBM computer. The old computer does not work and cannot communicate with the PLC for Powder Transfer at the Dumphood Bulk Container station. Load the ChAMPS program into the computer an	2nd floor of Erbia Modcon Area	ISA-20 ERBIA
08162	29-May-2008	Safety and Fire Protection	Oxide Coater 1 Zirc Fines Vacuum Replacement	The current zirc fines vacuum at Oxide Coater 1 will be removed and replaced with a Tiger Vac explosion proof vacuum system.	Mechanical Area Oxide Coater 1	ISA-14 IFBA Processing
08163	4-Jun-2008	Safety and Fire Protection	Oxide Coater 2 Zirc Fines Vacuum Replacement	The current zirc fines vacuum at Oxide Coater 2 will be removed and replaced with a Tiger Vac explosion proof vacuum system.	Oxide Coater 2	Miscellaneous
08165	2-May-2008	Makeup Water for the Final Assembly Wash Tanks is injected through piping at the top of the tank The potential exists for, and product has been damaged when removing assemblies from the tanks. The end of the piping extends far enough into the tank that if care is not maintained, the piping can scratch the fuel assembly during insertin/removal	Final Assembly Wash Tank - Piping Modification	Make-up piping that extends beyond the rim of the wash tank needs to be cut back and shortened to increase the spacing bewteen the fuel assembly and the piping. Reference Drawing 44813PP03 (Piping Arrangement)	Final Assembly Wash Tank	ISA-17 Final Assembly

08167	18-Jul-2008	The passive drains are needed to support the implementation of CSE-12-C rev. 1. They are identified as SSC-IFBA-116.	IFBA Dry Box Passive Drains	Install passive drains in the IFBA dry box. One passive drain will be installed on the cassette transfer tunnel side of the isolation door. A second passive drain will be installed on the rod loading side of the isolation door.	IFBA Dry Box	ISA-12 IFBA Fuel Rod Manufacturing
08168	30-Sep-2008	James needs room to work	Rearrange Engineering offices in maintenance area	Rearrange office areas to allow room for new engineer, James Parker	Maintenance engineers offices	Miscellaneous
08169	2-May-2008	The idle roller vendor supplies the roller with a shaft length 2.25" shorter than length required. The vendor will not alter the length of the roller. Therefore, the idle roller must be modified to meet our design requirements. Current vendor information shown on various Polypak Roller drawings is out of date.	Polypak Roller Modification	Weld 2.25" extension to the idle roller shaft. Also, change Polypak Roller drawings to reference current vendor information.	ADU/Erbia Powder Prep / Polypak Roller	ISA-08 Pelleting
08171	31-Mar-2008	"Currently, when the conveyor is started the operator has to hit the E-stop button to stop the conveyor. This program change is to make the operator push and hold down the button to operate the conveyor. This will also force the operator to keep close e	Change programming on UF6 conveyor	The change will be that the in/out button must be pressed and held down to operate the conveyor versus hitting the button one time and the conveyor running on its own.	UF6 bay conveyor	ISA-03 ADU Conversion
08172	1-May-2008	A new furnace has been purchased and is to be installed in the Grid Brazing area. This new furnace requires more power than the existing furnaces. Existing Area Power is inadequate to supply this new furnace.	Power Panel Sub 4	Install a new 480 vac Power Panel (PP-Sub4) near Substation 4, and powered by Substation 4 in order to supply power to a new 2-Bar Vacuum Furnace #2 in the Grid Brazing Area.	Grid Vacuum Furnace Area	Miscellaneous
08174	17-Apr-2008	"When first designed it was thought the actuator speed of travel did not matter and the Cv of the system was not analyzed. We have since learned the needed airflow is much greater than what is currently allowed. These changes will allow operations to a	Rod Out Tool Pneumatics	Substitute existing ASCO model 8345G81 solenoid with a ASCO model 8344G072 for conversion lines three and four calciner scrubber rod out tool actuator. Also, increase the supply tubing to 3/4" and increase the flow control valves on the supply tubing to 3/4" NPT.	Conversion lines three and four	ISA-03 ADU Conversion

08175	28-Mar-2008	Sight Ports have been added to Erbia Sintering Furnace 2 which will allow us to "correct" the zone thermocouple temperature to agree with the optical pyrometer (traceable standard). The bias is entered on the parameters page of the WonderWare HMI. The purpose of the PLC changes will be to limit (clamp) the amount of bias that can be implemented. The current limit will be +/- 15 deg. C. This change will also be implemented on Erbia Sintering Furnace 1 in anticipation of sight ports being added on the next rebuild.	Modify Erbia Sintering Furn. 1&2 PLC Programs	Modify the Erbia Sintering Furnaces PLC programs to limit the amount of bias that can be added the Zone thermocouples. This will be implemented on all 3 zones on Sintering Furnace 1 and Sintering Furnace 2. An Independent Technical Review (ITR) will be performed.	Erbia Sintering Furnace 1 and 2	ISA-20 ERBIA
08177	3-Apr-2008	"The use of knock out pots will allow the vacuums to be used for a longer time before changing the bag. This is important for this project because it has tight time constraints and the use of the hood in the decon room is not available to empty the vacu	knock out pots with Nilfisk vacuums	Knock out pots are to be built for use with Nilfisk vacuums for the floor grinding project described by CCF 08106. They will consist of a modified 5-gal bucket (store room item 15038)that will be in line with the vacuum hoses. The 5 gallon buckets have already been approved to store the floor material per procedure COP-843007.	Conversion floor	ISA-03 ADU Conversion
08179	8-Apr-2008	This modification is needed to ensure there is no mechanical interference preventing an accurate weight measurement.	Rod Line 5 Rod Scale V Block	Modify the V blocks that support rods on the Rod Line 5 scale to provide greater height adjustment. Currently there is 0.25 inches of adjustment. This modification will provide a total of about 1.25 inches of adjustment.	Rod Line 5 Rod Scale	ISA-12 IFBA Fuel Rod Manufacturing
08180	4-Apr-2008	NCS requirement	Drill 1 inch passive overflow hole in Pellet Lines 2-4 polypak sifter hoods.	"Plans are to drill a 1 inch hole in the side of the Lexan on each Pellet sifter poly pak hood on Lines 2, 3 and 4. The height of the hole will be 2 inches off the bottom of the sifter. The top of the 2 inches from the bottom will be the center line of	Pellet lines 2-4 sifter poly pak hoods	ISA-10 ADU Rods
08181	18-Apr-2008	The temporary shelves are needed to prevent criticality spacing violations and to provide a means of organizing the inventory samples.	Temporary Sample Storage for Inventory	Free-standing temporary shelf units are placed in the Chem Lab main hallway to provide temporary storage for inventory samples.	Chem Lab	ISA-18 Laboratories
08182	15-May-2008	Clarification	IFBA Input Pellet Tray Modifications	Correct several typing errors in the instructions and add Bar-Code label placement to drawing.	IFBA F/A1	ISA-14 IFBA Processing

08186	30-Jul-2008	"The water on the discharge screws has been valved off for many years. The water to the Fitzmill is also turned off and can be removed. The removal of the piping will assure that water does not get into the equipment due to leaking valves. The water from	Water removal from Line 3 Discharge screws and Fitzmill	Remove the process cooling water from the 1st and 2nd discharge screws and from the Fitzmill enclosure. The piping will also be removed as far back as possible.	1st and 2nd discharge screws and Fitzmill	ISA-03 ADU Conversion
08187	30-Jul-2008	"The water on the discharge screws has been valved off for many years. The water to the Fitzmill is also turned off and can be removed. The removal of the piping will assure that water does not get into the equipment due to leaking valves. The water from	Water removal from Line 4 Discharge screws and Fitzmill	Remove the process cooling water from the 1st and 2nd discharge screws and from the Fitzmill enclosure. The piping will also be removed as far back as possible.	1st and 2nd discharge screws and Fitzmill	ISA-03 ADU Conversion
08188	30-Jul-2008	"The water on the discharge screws has been valved off for many years. The water to the Fitzmill is also turned off and can be removed. The removal of the piping will assure that water does not get into the equipment due to leaking valves. The water from	Water removal from Line 5 Discharge screws and Fitzmill	Remove the process cooling water from the 1st and 2nd discharge screws and from the Fitzmill enclosure. The piping will also be removed as far back as possible.	1st and 2nd discharge screws and Fitzmill	ISA-03 ADU Conversion
08189	10-Jun-2008	The water valve that requires opening and closing during the startup and shutdown of lime slaking process is located in a very awkward position, and it's very hard to open and close.	Installation of ball valve on slaker water line	This CCF will install a 1" Jamesbury ball valve to the city water line on the lime slaker process.	URRS OUTSIDE - LIME SLAKER	ISA-15 URRS Wastewater Treatment System
08190	24-Apr-2008	The AP rod is roughly 3" longer than the XL rod, line 9 cannot currently handle this rod length for the expected production requirements.	Line 9 AP Rod Upgrade (Part 2)	"Complete the upgrade of bottom end line 9 (from CCF 08-159) to allow production of the longer AP rod. This will require the relocation of several stops and switches and the modification some control wiring and logic. This package of work is described in	CFFF, Rod Line #9	Clean Side Rod Area
08191	1-May-2008	A frequency drive will be used to control the volume of Fan 961 once CCF-07114 is implemented.	Removal of outlet damper on FN-961 (1A)	This CCF will allow removal of the volume control damper in the discharge duct on Fan 961.	Roof, Chemical Area	ISA-01 Plant Ventilation System
08192	29-May-2008	Mechanical torque limit lacks sensitivity and mechanism can be damaged by excessive torque.	Install torque limiter on 4A steam chest lid	Install electronic torque limiter on 4A steam chest lid actuator.	UF6 bay	ISA-03 ADU Conversion

08193	1-May-2008	The larger sized unthreaded holes will allow for easier installation and adjustment of the sensors. The spool piece will allow for a consistent "dwell time" independent sample and will help standardize the collection process across all lines.	Line 1 Sampler Upgrades	Drill out the Line 1 sensor tabs for the "cup in place" sensors and install the new sample size limiting spool piece for sample collection	Conversion ADU Line 1 Moisture Sampler	ISA-03 ADU Conversion
08194	17-Apr-2008	Implementation of new CSE.	Modifications for new UN Bulk Storage CSE	The following modifications are necessary to implement the new UN Bulk Storage CSE: 1. Remove 15' of dike wall between T-1039/T-1045 and rest of UN pad. The containment dike is not affected. See attached markup. 2. Install gooseneck vents with elevations that are below incoming transfer lines. The currently installed gooseneck vents are inline with the incoming transfer lines. 3. Remove the free acid requirement from the uranyl nitrate pumpout software as it is no longer required.	UN Bulk Storage	ISA-02 Uranyl Nitrite Bulk Storage Tanks
08195	29-Apr-2008	The larger sized unthreaded holes will allow for easier installation and adjustment of the sensors. The spool piece will allow for a consistent "dwell time" independent sample and will help standardize the collection process across all lines.	Line 3 Sampler Upgrades	Drill out the Line 3 sensor tabs for the "cup in place" sensor and install the new sample size limiting spool piece.	Conversion ADU Line 3 Moisture Sampler	ISA-03 ADU Conversion
08198	9-Apr-2008	Downtime reduction	Line 1 Moisture Sampler: Sample Detection Interval Expansion	Currently the moisture sampler PLC gathers approximately 2 seconds of data from the LASER and visible light sensors beginning when the sampler is signaled to retract. This data is used to make the calculation to determine whether or not a sample was collected. This data collection interval will be expanded to accommodate the occasion when the sampler may take longer than normal to retract. Once the programming has been modified, the sampler will be subjected to the same verification that occurred as the samplers were propagated across the conversion lines.	Line 1 Moisture Sampler	ISA-03 ADU Conversion

08201	28-Apr-2008	The scarifier will be used for repairs to the floor in conversion.	Add 220 volt receptacles for portable equipment	Two 220 volt receptacles will be installed in the scrap cage and at the back end of ADU line 3. They are required for operation of the scarifier.	ADU	ISA-03 ADU Conversion
08203	29-Apr-2008	Downtime Reduction	Line 2 Moisture Sampler: Sample Detection Interval Expansion	"Currently the moisture sampler PLC gathers approximately 2 seconds of data from the LASER and visible light sensors beginning when the sampler is signaled to retract. This data is used to make the calculation to determine whether or not a sample was col	Line 2 Moisture Sampler	ISA-03 ADU Conversion
08204	29-Apr-2008	Downtime Reduction	Line 3 Moisture Sampler: Sample Detection Interval Expansion	"Currently the moisture sampler PLC gathers approximately 2 seconds of data from the LASER and visible light sensors beginning when the sampler is signaled to retract. This data is used to make the calculation to determine whether or not a sample was col	Line 3 Moisture Sampler	ISA-03 ADU Conversion
08207	18-Apr-2008	The existing ABB model ACH401 variable speed drive is obsolete and has been replaced with the ACH550 series.	Cooling Tower Variable Speed drive	Remove the obsolete variable speed drive, ABB model ACH401 series, on Cooling Tower 8310B and replace with an ABB model ACH550 series, using the same automatic by-pass circuitry.	Equipment Room #3	Grounds
08208	19-May-2008	The current unit is obsolete and no longer repairable.	Portaspec Replacement on UT #1	Replace the Portaspec with an upgraded model.	Rod Inspection, UT #1	Clean Side Rod Area
08210	19-May-2008	Allow development work with replacment Portaspec to be completed prior to installation on UT #1 and UT #2 (CCFs 08208, 08209)	New Portaspec Development Efforts	Install Replacement Portaspec at the Development System Near Rod Line 8.	UT Development Area near Rod Line 8	Clean Side Rod Area
08211	19-May-2008	The chute is a possible solution to duplex valve and general calciner feed system plugging.	Duplex Valve Transition Chute	"On Conversion Line 5, replace the transition chute between the bottom duplex valve and the calciner feed screw with a Transflow lined chute for testing. If the test has a positive impact the transition chute will become permanent. If the test results	ADU Conversion Line 5 Calciner Feed System	ISA-03 ADU Conversion
08212	19-May-2008	These lamps indicate incorrectly and are confusing. They illuminate when the tank level is normal and are extinguished when the level is high. Operations has determined that they should be removed.	Remove alarm lamps from LAH-1006A/B	Remove the local alarm lamps LAH-1006A & LAH-1006B.	Scrap cage	ISA-03 ADU Conversion
08213	17-Apr-2008	Flanged connections are less prone to leak.	T-51 Vent Hose Replacement	This CCF will replace the existing vent flex hose with camlock ends with a new flex hose with camlock and flanged connections.	URRS Outside T-51	ISA-06 Chemicals Receipt, Handling and Storage

08214	14-Oct-2008	1. Occasionally there is a need to put material for high impurities, metal, etc. on electronic hold until the material is sampled and dispositioned. 2. ChAMPS automatically dispositions material as recycle and D/O. Sometimes material that should be D/O gets a recycle flag. This change would allow the engineer to disposition the material.	Modification to ChAMPS and Blend Prep	1. Give blending engineers the ability to put material on electronic hold. 2. Give blending engineers the ability to change recycle material to D/O.	Conversion ChAMPS process	ISA-03 ADU Conversion
08218	24-Apr-2008	Current Unit is obsolete, we are not able to maintain the unit. Spare parts are unavailable.	Replace Non-Fuel X-Ray Unit	Replace the X-Ray unit in Non-Fuel.	X-Ray machine in Non-Fuel Area	Miscellaneous
08219	29-Apr-2008	UPDATE THE AGING EQUIPMENT IN CR-200, AND MAKE IT MORE USER FRIENDLY FOR PLANT PERSONNEL AND CUSTOMERS	NEW AUDIO-VISUAL EQUIPMENT IN CR200	INSTALL NEW AUDIO-VISUAL EQUIPMENT IN CONFERENCE ROOM 200. THIS INSTALLATION WILL BE THE SAME AS INSTALLED IN CR300, 301, 101 AND THE CAFETERIA	CONFERENCE ROOM 200	Miscellaneous
08220	7-Aug-2008	This indicator is only on this column. It does not exist on any other column. It appears to be abandoned in place from a previous experiment, and is no longer used.	Removal of LI105C	Remove the redundant level indicator from the Line 1 precipitator.	V-105	ISA-03 ADU Conversion
08221	24-Apr-2008	Jamesbury 1/2" D 2236TT-1 valve, used in block and bleed for hydrogen to line 4 calciner has failed leak test. It is obsolete. Vendor recommends 1/2" 4C2236XTB1 as substitute.	Substitute Jamesbury ball valve	Substitute Jamesbury 1/2" 4C2236XTB1 ball valve for Jamesbury 1/2" D2236TT-1 ball valve. This valve is part of ADUCAL-403-4, ADUCAL-405-4, ADUCAL-902-4, ADUCAL-903-4, ADUCAL-904-4, ADUCAL-905-4, ADUCAL-906-4, ADUCAL-907-4 & ADUCAL-908-4	Line 4 calciner platform	ISA-03 ADU Conversion
08222	29-Apr-2008	THE EQUIPMENTS IN CR-201 IS OLD. THE NEW EQUIPMENT WILL BE MORE USEFUL AND USER FRIENDLY FOR PLANT PERSONNEL AND CUSTOMERS.	NEW AUDIO VISUAL EQUIPMENT CR201	UPDATE AND INSTALL THE AUDIO-VISUAL EQUIPMENT IN CR-201	CR-201	Miscellaneous
08227	19-May-2008	The holsters will reduce the amount of radiological exposure caused by operators storing the wireless scan guns in the hoods. The holsters will also reduce wear and tear on the scan guns as they are frequency stored on the glove ports and have a tenden	Intermec Scan Gun Holsters	Attach an Intermec scan gun holster to the side of each Fitzmill product hood in Conversion.	ADU Lines 1-5 Fitzmill Product Hood	ISA-03 ADU Conversion

08229	28-Apr-2008	Replace obsolete equipment	Relocate Leco Analyzers to IFBA	Move Leco Analyzers from the Main Chem. Lab to the IFBA Chem. Lab and move Leco #15 to storage.	IFBA Chem. Lab	ISA-18 Laboratories
08230	25-Apr-2008	This CCF is a duplicate of CCF 07216. Modify the LN6 tray roller conveyor to allow operators to push trays manually from the online dryer to the inspection hood. This will allow operators to begin inspecting trays earlier in the shift.	LN6 Pellet Tray Conveyor Modification	Disconnect the chain drive on the pellet tray roller conveyor on LN6 from the end of the online dryer to the Inspection Hood.	LN6 Grinder Line Pellet Tray Roller Conveyor	ISA-08 Pelleting
08231	18-Jun-2008				Powder Stack up and Pellet press	Miscellaneous

08233	18-Jun-2008				Crystals receipt area	Miscellaneous
08235	23-May-2008	Current drive is obsolete and no longer available.	Replace Line 1 Moyno pump VFD	Obsolete ACS500 variable frequency drive will be replaced by plant standard ACS350 drive. This is identical to CCF 08138 for line 4.	V419	ISA-03 ADU Conversion
08236	2-May-2008	"Both condensate return lines are leaking, and are in need of replacement. Currently, replacing those lines would require taking T-1143 out of service, which also means shutting off steam supply to the plant. The new valves are to be installed over inv	Valves on Condensate Return Line to T-1143	This CCF will install a ball valve on the condensate return lines from Still 1 (HX-1142), and Still 2 (HX-1179) to T-1143.	URRS Outside Still 2	ISA-15 URRS Wastewater Treatment System
08239	7-Aug-2008	EXISTING FANUC 16i CNC CONTROLS ARE OBSOLETE AND DIFFICULT TO SOURCE PARTS FOR. UPGRADE TO THE LATEST CONTROLS TO ALLOW TIMELY MAINTENANCE.	CNC CONTROLS UPGRADE FOR GRID LASER WELDER #3	UPGRADE FANUC CNC CONTROLS FOR GRID LASER WELDER #3 TO THE FANUC 30i CONTROL.	GRID AREA	Miscellaneous

08240	8-Aug-2008	EXISTING FANUC 16i CNC CONTROLS ARE OBSOLETE AND DIFFICULT TO SOURCE PART FOR. UPGRADE TO THE LATEST CONTROLS TO ALLOW TIMELY MAINTENANCE.	CNC CONTROLS UPGRADE FOR AGRID LASER WELDER #4	UPGRADE FANUC CNC CONTROLS FOR GRID LASER WELDER #4 TO THE FANUC 30i CONTROL	GRID AREA	Miscellaneous
08243	6-May-2008	This is a requirement for the new S1008 startup.	V-116A Vent Modification	Modify the Q-tank vent system so V-116A has a vacuum break installed on it.	Q-Tanks	ISA-03 ADU Conversion
08244	23-May-2008	This is the beginning of a larger project to allow the use of Verizon cell phones within and throughout the Plant. This will allow improved communications for Plant Personnel.	Verizon Cell Phone Antennas	Install antennas and a signal amplifier in the first and second floors of the New Expansion Office areas. Also install receptacles and Verizon phone equipment in the Computer Room.	Computer room, 1st and 2nd floor new expansion offices comp rm, new expansion office areas	Grounds
08255	8-May-2008	The clear top which was installed in May of 2007 as per CCF-07267, has cracked in numerous places.	S-1030 Top Replacement	Remove the existing clear PVC top on Scrubber S-1030 and replace with a fiberglass top using the original fiberglass design. This top will be built by the OEM, KCH Engineering Services.	Chemical Roof	ISA-01 Plant Ventilation System
08259	5-Aug-2008	Currently there is no hot water supply to these lavatories. Maintenance suspect that piping may be plugged and/or hot water source is located to far away from lavatories.	Hot Water Supply to Main Office Lavatories	Install (5000W/208V/1PH) 40 gal water heater in men's restroom janitorial closet to supply local hot water to the four lavatories in main office area.	1st Floor Main Office Men's Lavatory	Grounds
08260	27-Jun-2008				CFFF ADU Rodline 3	ISA-10 ADU Rods
				](a)(b)(c)		
08261	27-Jun-2008				CFFF ADU Rodline 4	ISA-10 ADU Rods
				](a)(b)(c)		
08264	18-Jul-2008	MCC-100 will be removed to support installation of the new autoclaves on Line 1. Existing power that is feed from the MCC must be relocated.	Re-Feed Power to line 1 Decanter, P-112A/B and P-119	Re-Feed Power to line 1 Decanter, P-112A/B and P-119. Existing Power feed is from MCC-100 normal power. New feed will come from MCC-101.	ADU Line 1	ISA-03 ADU Conversion
08265	21-Jul-2008	MCC-100 will be removed to support installation of the new autoclaves on Line 1. Existing power that is feed from the MCC must be relocated.	Refeed power to Calciner BL-109, H-109A, Combustion air duct heater and power for controls	Refeed power to Calciner BL-109, H-109A, Combustion air duct heater and power for controls. Existing power is feed from MCC-100. New feed will come from MCC-101.	ADU Line 1	ISA-03 ADU Conversion

08266	21-Jul-2008	MCC-100 will be removed to support installation of the new autoclaves on Line 1. Existing power that is feed from the MCC must be relocated.	Refeed power to Fitzmill drive and screw	Refeed power to Fitzmill drive and screw. Existing power is feed from MCC-100. New feed will come from MCC-101.	ADU Line 1	ISA-03 ADU Conversion
08267	21-Jul-2008	MCC-100 will be removed to support installation of the new autoclaves on Line 1. Existing power that is feed from the MCC must be relocated.	Refeed power to UF6 N2 Heater, Precipitator H-105C, P-105C, and P-106A/B	Refeed power to UF6 N2 Heater, Precipitator H-105C, P-105C, and P-106A/B. Existing power is feed from MCC-100. New feed will come from MCC-101.	ADU Line 1	ISA-03 ADU Conversion
08268	21-Jul-2008	The emergency power section of MCC-200 will be removed to support installation of the new autoclaves on Line 1. Existing power that is feed from the MCC must be relocated.	Refeed Power to Line 2 Vaporizer Lids, P-202A/B and P-205A/B	Refeed Power to Line 2 Vaporizer Lids, P-202A/B and P-205A/B. Existing power is feed from the emergency power section of MCC-200. New feed will come from MCC-201 which is feed by emergency power.	ADU Line 2	ISA-03 ADU Conversion
08269	21-Jul-2008	The emergency power section of MCC-200 will be removed to support installation of the new autoclaves on Line 1. Existing power that is feed from the MCC must be relocated.	Refeed power to ADU Line 2 Dryer, Calciner drive and discharge screws.	Refeed power to ADU Line 2 Dryer, Calciner drive and discharge screws. Existing power is feed from the emergency power section of MCC-200. New feed will come from MCC-201 which is feed by emergency power.	ADU Line 2	ISA-03 ADU Conversion
08270	21-Jul-2008	The emergency power section of MCC-200 will be removed to support installation of the new autoclaves on Line 1. Existing power that is feed from the MCC must be relocated.	Refeed power to Line 2 Torrit FN-250	Refeed power to Line 2 Torrit FN-250. Existing power is feed from the emergency power section of MCC-200. New feed will come from MCC-201 which is feed by emergency power.	ADU Line 2	ISA-03 ADU Conversion
08271	21-Jul-2008	The emergency power section of MCC-200 will be removed to support installation of the new autoclaves on Line 1. Existing power that is feed from the MCC must be relocated.	Refeed Power to Pumps P-231A/B/C/D and P-211A/B	Refeed Power to Pumps P-231A/B/C/D and P-211A/B. Existing power is feed from the emergency power section of MCC-200. New feed will come from MCC-201 which is feed by emergency power.	ADU Line 2	ISA-03 ADU Conversion
08272	14-Jul-2008				Archive Pellet Storage	ISA-18 Laboratories

.(a)(b)(c)

08273	14-Jul-2008					Chem Lab/ Met Lab	ISA-18 Laboratories
				(a)(b)(c)			
08275	10-Jun-2008	This blast gate will be closed when Fan 961 is shut down to prevent the fan from rotating, caused by the draft generated by Fan 962. This blast gate will typically be used by filter changing personnel.	Manual Blast Gate for Fan 961	Install a manually operated blast gate in the 30" outlet duct on Fan 961.		Chemical Area Roof	ISA-01 Plant Ventilation System
08276	5-Jun-2008	Currently the 1" drain line to the trench plugs with solids. The water flush line will allow operations to remove the clog without breaking containment.	Add Air Purge Line to T-1120 Discharge	Add Air Purge Line to T-1120 Discharge		Sludge Dewatering Building	ISA-15 URRS Wastewater Treatment System
08277	9-Jun-2008	This is a field located flow indicator. It is leaking and not used by operations.	Remove FI-1367A	Remove FI-1367A		DI Water	ISA-15 URRS Wastewater Treatment System
08278	18-Jul-2008	Production Improvement	Replace Pellet Pilot Line Blue M Oven.	Install new Blue M oven, lift table and powder sifter on the Pellet Pilot Line.		Pellet Pilot Line	ISA-19 Hoods and Containment

08281	27-May-2008	The existing valve is leaking and obsolete. The 8210G35 is a direct replacement.	CLN2 Calciner Natural Gas Vent	<p>Replace the existing natural gas vent solenoid valve, XV209C. The existing valve is a 8210B35 and the replacement is a 8210G35. Confirmation has been received from ASCO that the only difference is the way the coils are manufactured. The coils have the same protection factor.</p> <p>Safety Significant Component: This valve is a safety significant component associated with ADUCAL-403, ADUCAL-905, ADUCAL-906, ADUCAL-907, and ADUCAL-908.</p> <p>This change was approved on an emergency basis and has been implemented. Marc Rosser and Joe Pouliot gave the approval for the emergency CCF. The conversations were logged in the conversion team manager's logbook for 5/23/08 in accordance with TA-500. Interlock checks were performed before releasing the equipment to production. Reference WO# 449704.</p>	Conversion Line Two Calciner	ISA-03 ADU Conversion
08282	7-Aug-2008	The existing coupling is in need of replacement. We do not use this type of coupling anywhere else and would like to standardize to the Lovejoy L-Jaw type.	CLN2 Second Discharge Screw Coupling	Replace the existing Browning Gridflex coupling with a Lovejoy Coupling.	CLN2 First Discharge Screw	ISA-03 ADU Conversion
08283	4-Jun-2008	Process improvement to eliminate electrode shearing.	Add Cut-Off Wheel to Grinding Hood	Add Cut-Off Wheel to the Electrode Grinding Hood in the machine shop.	Machine Shop Electrode Grinding Hood	Miscellaneous
08285	10-Jun-2008	The water fountain is no longer in use.	Removal of water fountain in Still 1	This CCF will remove the water fountain and associated piping inside of Still #1 building.	URRS Outside Still 1	ISA-15 URRS Wastewater Treatment System
08286	30-Jun-2008	Operation excellence	Install Drying ovens on Pellet Lines 3,4 and 5.	Plans are to install safe geometry grinder centrifuge bowl ovens on pellet lines 3-5.	Ovens located on Pellet lines 3-5	ISA-08 Pelleting
08287	30-Jun-2008	[		(a)(b)(c)	CFFF - Automated Thimble Tube	Clean Side Rod Area
08288	24-Jun-2008	"Currently the UF6 bay crane has only 2 speeds, slow or fast. This creates a potential safety hazard when positioning cylinders in and out of the steam chest. The proposed inverter allows for a slower creep speed for improved positioning, and a soft acce	Install an inverter on the UF6 Bay Crane	This project involves retrofitting the existing UF6 bay crane with a factory supplied inverter and matching motor.	UF6 Bay	ISA-03 ADU Conversion

08289	25-Jun-2008	Internal corrosion to the induction coils of the Oxide Coater will eventually totally clog the coil, thus rendering it inoperable. Equipment is under a year in operation and measures need to be taken in order to ensure operability in the future.	Oxide Coater #2 Anode Addition	"Sacrificial anode to be installed in each bank of Induction coils on Oxide Coater #2 to prevent corrosion inside the coils. Zinc or aluminum rod will be installed in the water loop of the coils using a brass fitting and pipe configuration in order to re	Oxide Coater #2 Coater Station internals	ISA-17 Final Assembly
08290	24-Jun-2008	Currently the trolley has only 1 speed and the hoist only 2 speeds. The proposed inverters allow for a slower creep speed for improved positioning, also a soft acceleration and deceleration.	Install an Inverter on the Skeleton Area 2 ton Hoist	This project involves retrofitting the existing 2 Ton Hoist / Trolley in the Skeleton Area with factory supplied inverters.	Mechanical Area, Skeleton.	ISA-17 Final Assembly
08291	7-Jul-2008	The current thermocouples have been "drifting" from the base temperature as confirmed by the optical pyrometer used for over-check. The new T/C will have 20awg wire and a double walled ceramic tube as protection.	Sintering Furnace Thermocouple substitute	Procure and test a replacement thermocouple for the non-safety significant zone of the sintering furnaces (i.e. zone 1 or 3)	Sintering Furnace	ISA-08 Pelleting
08292	10-Jun-2008	Existing transmitters do not allow adjustment of Span and Zero to account for changes in thermocouple output. The process specification requires an accuracy of temperature measurement that exceeds the specification of the thermocouples and it is necessary to adjust the transmitters to compensate for variations in thermocouple output. Moore THZ transmitters are used successfully on 4A furnace and Thermal Stability furnaces. This change will allow a single procedure to be used for all ADU sintering furnace temperature calibrations. PELSINT-904 is impacted.	Replace Thermocouple transmitters 5A/B Furnaces	Replace the existing Action Instruments thermocouple transmitters, four per furnace, Moore THZ transmitters.	5A and 5B sintering furnaces	ISA-08 Pelleting

08293	29-Sep-2008	"T-1166 is directly connected to the S-1190 scrubber suction. 5% ammonia vapors are continuously being pulled by the scrubber. This modification will only remove the vapors that are caused by displacement of solution and decrease the load on the scrubber	Install Vent Cap on T-1166	Install Vent Cap on T-1166. T-1166 will be sealed and two sample ports will be installed.	Waterglass Filter	ISA-01 Plant Ventilation System
08294	24-Jul-2008	When the heaters are down the moisture in the duct condenses on the filters, causing plugging and possible rupture.	By-Pass and relocate 1030 Scrubber Heater Overtemp	<p>1030 Scrubber has a thermocouple which monitors the temperature of the heater elements in the air duct. The purpose of this thermocouple is to shutdown the heaters if the temperature gets too hot, due to low air flow. There are redundant heater interlocks: fan not running and low air flow sensor. Basically we have 3 interlocks to prevent us from damaging the heaters. This is equipment protection(heater elements) not human safety.</p> <p>The overtemp thermocouple is currently physically tied to the heater element and cannot be removed without shutting down the system and pulling the heater assembly.</p> <p>This CCF would allow us to bypass the overtemp interlock until we have a suitable process window to replace it.</p> <p>This CCF will also allow us to relocate the thermocouple so we can replace it without pulling the heater assembly.</p>	1030 Scrubber on Roof	ISA-01 Plant Ventilation System
08295	10-Jun-2008	The existing "C" Valve has a hand crank with a 6:1 gear reduction. During a spill event this valve must be closed ASAP. This valve is the last stop before we potentially pollute the environment.	Actuator on "C" Valve	This project involves mounting an electric actuator on the existing sluice "C" valve located in the storm water drain ditch. This actuator will have the capability of both remote and local operation.	Sluice Valve "C" for storm water drain system	ISA-15 URRS Wastewater Treatment System
08296	12-Jun-2008	Remove condensation from stream	Heat trace incinerator HP sample stream	Add stainless tubing and heat tracing to heat incinerator HP sample stream.	Incinerator penthouse	ISA-01 Plant Ventilation System
08297	16-Jul-2008	MCC200 will be removed to allow installation of the line 1 Autoclave vaporizer. RP-MCC200 is inside of MCC200 so the loads must be relocated.	Refeed power to loads on RP-MCC200	"Refeed the following loads: 203 Instruments and instruments on air handler, n2 purge seal on calciner, instruments on 207, 212, acromag, 206B FT. instruments, 205A and 205B instruments, heaters 201B and 201B, Fitzmill lights, Light, Rec on line 2 lines	UF6 Bay	ISA-03 ADU Conversion

08301	17-Jun-2008	These fans are mounted on columns throughout this same area.	Column mount industrial fans	Mount 24" industrial fan to column 10B facing Southeast toward the operator area of oxide coater 2. Mount 30" industrial fan on column next to column 9D so the fan faces primarily South and can oscillate between the rod weigh area and line #9.	Column 10B and column next to 9D	ISA-10 ADU Rods
08302	28-Jul-2008	Rack needs to be moved to make room for new moisture hood as described in CCF 07-0318.	Relocation of poly pak rack for second moisture sampling.	Perform CSE re-evaluation as part of CCF-07-0318 for relocation of poly pak rack. Reference as-construction drawing 500F03AR14-07318:03 for location.	Conversion hall outside of QC cage door	ISA-16 Nuclear Material Storage
08304	1-Dec-2008	Improve lighting in the area	Install new Lighting in Skeleton Area	Install new light fixtures in the Skeleton and Skeleton inspection area.	Skeleton and Skeleton inspection area	ISA-17 Final Assembly
08305	8-Jul-2008	The older unit require replacing due to continuous problem.	Installation of NDT Si X-RAY Film Processor	The old processor will require removal prior to installation of the new processor. The units are similar in design and functionality. The drain and fill lines require compatibility checks as well as the power source.	Rod Inspector	Clean Side Rod Area
08307	26-Jun-2008	FL-756A/B piping contains obsolete three piece valves that are welded into the piping. Since this piping has to be refabricated to change to flanged valves, it is desired to remove unnecessary valves at the same time.	Remove unnecessary drains from FL-756A/B	Remove 1/2" drain valves from FL-756A/B housings as they are not needed.	V-756	ISA-04 Safe Geometry Dissolver
08309	16-Jul-2008	Currently, the power monitor trips out the pump frequently, forcing an operator to come reset it. This is because the pump runs close enough to the "high" setting that the monitor rarely "resets", although it is within the normal operating range. The power monitor is not necessary for the process. There are already other interlocks (flowswitch, temperature sensor in 402 column) that will turn off the pump in a dangerous condition. Other lines have the same pump in the same application with no power monitor.	remove P-402 power monitor interlock	Remove the interlock that trips out the 402 pump based on the associated power monitor. The power monitor will be for information only.	P-402	ISA-03 ADU Conversion
08310	8-Aug-2008	The V-319/D307 transition area bridging has become a large contributor to downtime and a vibrator will help reduce bridging issues.	D-307/V-319 Pneumatic Vibrator	Install a pneumatic vibrator on the decanter to solids collection tank (V-319) transition area to reduce ADU bridging.	Conversion ADU Line 3 D-307/V-319	ISA-03 ADU Conversion

08311	8-Aug-2008	The Superior Electric Servo Drive on the UT Station on Line 8 is obsolete.	Mechanical Side Rod Line 8 Servo Upgrade	Rod Line 8 on the Clean Side has an obsolete Servo Drive on the UltraSonic Test Station. This CCF would allow us to replace the Drive with an Emerson Servo.	Clean Side Rod Line 8 UT	Clean Side Rod Area
08312	16-Jul-2008	NumaLogic is obsolete and we are having repeat failures.	Replace Numa PLC with a GE PLC	Replace the obsolete NumaLogic PLC with a GE 90-30 PLC.	Pellet Line 4 Grinder	ISA-08 Pelleting
08313	1-Jul-2008	Existing VFD is obsolete.	Replace Line 5 Moyno pump VFD	Obsolete ACS500 variable frequency drive will be replaced by plant standard ACS350 drive. This is identical to CCF 08138 for line 4.	Line 5 V19	ISA-03 ADU Conversion
08314	8-Jul-2008	With the addition of the alarm the operator will no longer be required to periodically write down mill temperature readings.	ADU Conversion Line 1 Mill Temperature Alarm	Programming will be added to the moisture sampler PLC to affect a high mill temperature alarm	ADU conversion line 1 mill	ISA-03 ADU Conversion
08315	8-Jul-2008	With the addition of the alarm the operator will no longer be required to periodically write down mill temperature readings.	ADU Conversion Line 2 Mill Temperature Alarm	Programming will be added to the moisture sampler PLC to affect a high mill temperature alarm	ADU Conversion line 2 mill	ISA-03 ADU Conversion
08316	9-Jul-2008	With the addition of the alarm the operator will no longer be required to periodically write down mill temperature readings.	ADU Conversion Line 3 Mill Temperature Alarm	Programming will be added to the moisture sampler PLC to affect a high mill temperature alarm	ADU Conversion line 3 mill	ISA-03 ADU Conversion
08317	9-Jul-2008	With the addition of the alarm the operator will no longer be required to periodically write down mill temperature readings.	ADU Conversion Line 4 Mill Temperature Alarm	Programming will be added to the moisture sampler PLC to affect a high mill temperature alarm	ADU Conversion line 4 mill	ISA-03 ADU Conversion
08318	9-Jul-2008	With the addition of the alarm the operator will no longer be required to periodically write down mill temperature readings.	ADU Conversion Line 5 Mill Temperature Alarm	Programming will be added to the moisture sampler PLC to affect a high mill temperature alarm	ADU Conversion Line 5 mill	ISA-03 ADU Conversion
08324	7-Jul-2008	The FME barrier will prevent material from contaminating grinder Line 6 production and is a best practice during large scale maintenance activities.	FME Barrier	Temporarily hang a FME barrier between sintering furnace 5C and grinder line 6 during furnace rebuild.	Between Furnace 5C and Grinder Line 6	ISA-08 Pelleting
08325	27-Jun-2008	The old unit is obsolete.	Breathing Air Cylinder Recharging System	This project involves demo of the existing Breathing Air Cylinder Recharging System located in the Emergency Response Building. A new Breathing Air Cylinder Recharging System will be installed immediately following the demo. This new unit is an integrated recharging system which produces Medical Class D Air and is designed for recharging high or low pressure SCBA cylinders.	Emergency Response Building	Miscellaneous

08327	16-Jul-2008	This modification involving the turning vanes and rubber flex joint will reduce the vibration on the fan outlet ductwork.	Discharge Transition on FN-961	Replace the existing discharge duct transition on Fan 961 with a transition equipped with turning vanes. Also, install a 12" OAL rubber flex joint, downstream of the transition.	Plant Roof, Chemical Area	ISA-01 Plant Ventilation System
08328	30-Jul-2008	Changes identical to CCF 08147 (Items 1-3)To reduce the possibility for water flow blockage through the sintering furnace cooling sections. Item 4 is no longer in use and needs removed from the drawing. Item 5 is to prevent the elements from shorting together inside the furnace.	5B Sintering Furnace Improvements	1) Add a Hayward Duplex strainer on the cooling water line just prior to the header supplying the furnace. 2) Increase the copper line size from 1/4" to 3/8" diameter to reduce blockages. Change the 1/4" needle valves to 3/8" ball valves as well. 3) Separate the cooling chamber copper lines into 2 individual lines with a valve for each line. 4) Remove the cooling water going to the sight ports. 5) Add ceramic pins where necessary to the element pin walls to prevent element shorting.	5B Sintering Furnace	ISA-08 Pelleting
08329	22-Jul-2008	These modifications will prevent the open areas of these racks from use as a storage location for polypaks in the FA3 scrap area.	IFBA storage rack modifications	Add cross bar to open areas of racks 40, 41, 42, 43, and 44. Also add top bar across racks 40, 41, and 42.	FA3 area, racks along the walls and aisles	ISA-16 Nuclear Material Storage
08330	12-Aug-2008	This decking (grating), which spans the east and west trench travel corridors, is not able to handle the load of the Clamp Truck or the Articulating Boom Lifts. Replacing this decking (grating) with 1" A-36 plate will allow the truck and lifts to travel throughout the UF6 Bay safely.	Trench Equipment Crossing	Replace the decking (grating) over UF6 Bay trenches with 1" thick A-36 plate. Replace decking on the following trenches: 1) West trench, by the cold trap. 2) West trench, between Line 5 vaporizer and the double swinging doors which enter the Conversion Area. 3) East trench, aisle leading to the Hot Oil Room.	UF6 Bay	ISA-03 ADU Conversion
08332	24-Jul-2008	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 flowmeter and control valves in SOLX	Replace differential pressure flow meter with coriolis flow meter, and replace Research Control valve with Class VI shutoff Fisher control valve. Replace on water flows to V-1082 and V-1482.	SOLX	ISA-07 Solvent Extraction

08333	21-Aug-2008	The low pressure guage gets overpressurized and damaged if operations prematurely opens the spring loaded valve. This pressure guage will give accurate and legible readings at all range of the scale.	Reconfigure high/low pressure gauge in cylinder recert	Reconfigure high/low pressure gauge in cylinder recert. Remove spring loaded valve and low pressure guage. Replace high pressure guage with a digital pressure guage that is rated for 200 psi and is accurate within 1 psi at low range.	Cylinder Recertification	ISA-09 UF6 Cylinder Wash
08334	9-Jul-2008	The PLC is an obsolete NumaLogic and is unreliable (we are in the process of replacing this PLC, and this is the driving force for moving the SSC from this BPCS PLC). The PLC is providing no logic! The input is mapped directly to an output. This current design decreases the reliability of the safety instrumented function(SIF). The current design also makes the PLC safety significant, (this is a BPCS PLC not a Safety PLC) which is highly undesirable.	Hardwire SSC ADUSCRP 403 (FSL-1016)	Re-wire the Low Flow Interlock to Pump 1016 in the Scrap Cage. This interlock (ADUSCRP-403) is an Active Engineered Control SSC on Sketch 815417-7. The current condition is that the Low Flow Signal goes through the Scrap Cage PLC. This CCF will allow us to directly hardwire the Flow Switch to the pump run control logic (removing the PLC from the SIF). The assumption is that since we will be modifying an existing Safety Instrumented Function(SIF)with; the same input, the same logic, and the same final output, a Safety Requirement Specification(SRS)is not required. The signatures on this CCF will satisfy FSS-012 section 2.1.	Scrap Cage Dissolver	ISA-11 Scrap Uranium Processing
08335	24-Jul-2008	"The currently installed dipleg quickly plugs and is very difficult to unplug. Smaller diameter tubing will increase velocity and hopefully eliminate pluggage or have it occur over a longer time period. Spray jet assemblies will do much of the same and	Change incinerator solvent charge dipleg to tubing	Change incinerator solvent charge dipleg from 1/2" piping to tubing and/or spray jet assembly(both less than 1" diameter).	Incinerator	ISA-13 Low Level Radioactive Waste Processing
08336	16-Jul-2008	Current NumaLogic PLC is obsolete and is unreliable. It is becoming harder to keep this PLC online. Over the past weeks, this PLC has faulted several times in turn increasing downtime.	Upgrade Scrap Cage Dissolver PLC From Obsolete NumaLogic to GE PLC	Upgrade Scrap Cage Dissolver PLC From Obsolete NumaLogic to GE PLC.	Dissolver PLC in Scrap Cage	ISA-11 Scrap Uranium Processing
08338	28-Jul-2008	By interfacing UPS General Alarms with Experion, issues (faults, bypass status, trouble alarms, etc.) could quickly be address given the Conversion Control Room are always manned.	Interface UPS Alarms with the Experion	Interface UPS #1(outside computer room) and UPS #3 (over ERBIA) with Experion.	Equipment Room 1 and 2	Miscellaneous

08340	15-Jul-2008	Ease of Troubleshooting	Ronan Alarm Isolation	"The Hydrolysis column high level alarms from the Ronan level transmitter and the bubbler transmitter come together to give an alarm at the ADU control room HMI. Therefore a Ronan alarm cannot be distinguished from a bubbler alarm. Since the bubbler al	ADU Conversion	ISA-03 ADU Conversion
08342	10-Jul-2008	The VFD By-Pass unit is obsolete and has failed. The VFD has also failed. We intend to replace the Drive and the ByPass as a unit with the current model.	Replace Cooling tower Fan VFD Drive and By-Pass Unit	Replace Cooling tower Fan CT-8310-B VFD Drive and Obsolete By-Pass Unit.	Cooling Towers for Chillers 5,6, and 7	Miscellaneous
08343	21-Jul-2008	Mechanical torque limit lacks sensitivity and mechanism can be damaged by excessive torque.	Install torque limiter on 3A&B Steam chest lid	Install torque limiter on 3A&B Steam chest lid actuator. This modification will be same as line 4.	UF6 bay	ISA-03 ADU Conversion
08347	29-Sep-2008	The first two changes are being done as a response to common failure modes. They changes are suggested by tooling engineering. The third item is to remove a older model anti-rotation device from the matrix system. There is currently no identified inspection criteria for this item. This is to define the critical aspects of this item so it can be released for production use.	UF6 Valve Anti-Rotation Device Changes	The following changes are for all new anti-rotation devices to be used in the area. Previous designs are still approved for continued use. 1) Change the hardness requirements from Rc 45-50 to Rc 36-42 for items that fall under note F. 2) Increase the thickness of the moving tab of the clamp, item 5. 3) Remove Note M and delete TD000936. 4) As a safety significant part this item would be inspected to the following conditions. The inspection and paperwork handling will be done by Tool and Gauge. Once the following inspections are completed and documented the item will be approved for operation. A) A concentricity test as described in note P. B) Item 5 must pass hardness testing. C) The item will be engraved with a unique identification number and the number will be recorded with the test results.	For use on all vaporizers	ISA-03 ADU Conversion

08348	16-Jul-2008	Existing VFD is obsolete.	Replace Line 3 Moyno pump VFD	Obsolete ACS500 variable frequency drive will be replaced by plant standard ACS350 drive. This is identical to CCF 08138 for line 4.	Line 3 V19	ISA-03 ADU Conversion
08349	28-Jul-2008	Existing VFD is obsolete	Replace Line 2 Moyno pump VFD	Obsolete ACS500 variable frequency drive will be replaced by plant standard ACS350 drive. This is identical to CCF 08138 for line 4	Line 2 V19	ISA-03 ADU Conversion
08350	19-Nov-2008	The local indicators will allow operators to see the levels in the field without going back to the control room.	Add Local Level Indications to T-2 and 3	This CCF will add local level indicators to tanks: T-2 and T-3.	URRS Tank Farm	ISA-06 Chemicals Receipt, Handling and Storage
08351	19-Nov-2008	The local indicators will allow operators to see the levels in the field without going back to the control room.	Add Local Level Indicators to T-4 and T-1161	This CCF will add local level indicators to tanks: T-4 and T-1161.	URRS Tank Farm	ISA-06 Chemicals Receipt, Handling and Storage
08352	27-Aug-2008	These modifications are the recommendations given by Technical Associates of Charlotte to reduce the vibration occurring on the line one hot oil dryer. The report is attached. The sketch for modification 1 is detailed in the report as recommendation A. For modification 2 (recommendation B in the report) we will be unable to make the changes suggested as this will change the angularity of the dryer and possible cause powder backup. Reconfiguring the chute was discussed with Technical Associates and deemed to be an acceptable alternative as the desired outcome will be the same.	CLN1 Hot Oil Dryer Mods	1) Add structural support braces to the existing discharge pier. This may result in modification of the bottom elevator dust hood. 2) Reconfigure the existing hot oil dryer to elevator transition chute to a similar design as on the other elevators and to better align the transition.	Line One Hot Oil Dryer	ISA-03 ADU Conversion
08354	7-Aug-2008	The OEM switch has a history of frequent failure and adjustment problems.	Replacement Laboratory Furnace Door Switch	Replace existing safety switch on door of Thermolyne muffle furnace (MAPCON ID = MUFFLE-4) in Chem Lab with a more robust switch.	Chem Lab, Impurities Prep Room	ISA-18 Laboratories
08355	17-Jul-2008	To prevent foreign material from entering the Wash Tank via the DI Water System.	DI Water in-line filter for F/A Wash Tank	Install an inline filter in the DI Water supply for the Final Assembly Wash Tanks.	Final Assembly	ISA-17 Final Assembly
08356	29-Sep-2008	Foreign Material Exclusion	FME and Barrier	Added Barrier control as outlined in attached sketch	Packing/Shipping	Miscellaneous

08358	19-Aug-2008	The existing flow switches are obsolete and are no longer available. The proposed magmeter/SPA combination has been used successfully to replace hydrolysis column flow switches on lines 1-4.	Replace Flow switch FSL-106A with magflow meter	The Teflon flow switch that is used to verify flow in the recirculation loop of the Nitrate storage column on line 1 and protect P-106A & P-106B will be replaced by a Rosemount magnetic flowmeter connected to a Moore SPA trip amplifier. The process pipe will be modified to accommodate the new flowmeters. The Moore SPA will be hardwired into the pump starter circuit and the existing PLC logic for FSL-106A will be removed. SSC # ADUNIT-401 will be reconfigured.	V-106	ISA-03 ADU Conversion
08359	15-Aug-2008	Installation of Bowl Feeder collection pack level probe interlock is required to be in compliance with PELGRIND-103 and CSE.	Installation of Level Sensor for Feed Bowl on Erbia Grinder Line	Install a level sensor in the chute above the grinder feed bowl polypak. The level sensor will be hardwired to Site Programmable Alarm (SPA) which in turn will be wired to a safety relay. When the sensor is activated, it will actuate the safety relay.	Erbia Grinder	ISA-20 ERBIA
08360	17-Jul-2008	FME control. To prevent smaller particles such as resin beads from being passed to the grinder and product areas.	DI water strainer replacement	Replace the 20 mesh strainer in the DI water line feeding the ADU grinders with a 100 mesh size.	DI water line near Line 4	ISA-08 Pelleting
08361	17-Jul-2008	FME control.	DI water strainer - Erbia	Add a 100 mesh DI water strainer in the DI water supply header into Erbia manufacturing. Same as CCF 08-360 for ADU area.	Erbia	ISA-20 ERBIA
08368	6-Aug-2008	Point of use filter to catch any foreign material in the DI water stream prior to use for stripping pellets.	Add 10" filter to DI water supply	Add 10" canister filter to the DI water supply line at the acid stripping station.	Stripping station	ISA-14 IFBA Processing
08369	21-Jul-2008	Protect water consumption equipment from possible particulate matter.	Add four (4) Deionized Water filters for components operations processes	Add four (4) Deionized Water filters for components operations processes.	Inconel Cleaning Station, Plating Room, Machine Shop Engraver and ECG	Components
08370	15-Sep-2008	Need for office space for ERP/MRP project team	Add Trailer #8 to Plant Grounds	Install a new 76x42 modular office complex to the area on the Plant Grounds South of IFBA	Grounds south of IFBA	Grounds

08374	12-Aug-2008	This mechanical mechanism has failed before and will fail again. When failure occurs there is a high likelihood of a catastrophic loss including loss of life. The low water cut-off is considered to be the most important safety device on a boiler. According to the National Board of Boiler and Pressure Vessel Inspectors, the number one cause of all boiler incidents is low water conditions related to the failure of the low water cutoff controls.	Low Water Cut-off Control for #1 N/A Boiler	The North American Boiler #1 is equipped with a manual float mechanism (float welded or screwed to a rod that triggers a snap switch) which is used for low water cut-off / pump control. This project will allow replacement of this manual float mechanism with a microprocessor based control system. The new water level control uses magnetostrictive technology, which eliminates rods, levers and switches. See attachment for further details on the new water level control system.	Boiler House	Grounds
08378	21-Aug-2008	Requested by operations.	Remove Blue M oven and ductwork on Conversion Line 5.	Same as title	Back of Conversion Line 5	ISA-03 ADU Conversion
08379	21-Aug-2008	[		(a)(b)(c)	CFFF, Rod Soft Handling	Miscellaneous
08382	4-Aug-2008	The existing 3" tube has been deformed causing misalignment in the union. This has caused a moderate leak when the blowbacks are activated. The flange connection can handle more misalignment and the pipe will hold up better to any hammer blows in the future.	CLN3 Dryer Off Gas Pipe	Replace existing 3" tubing and union with pipe and a flange connection. The existing filter house top will be used and we will tie into the existing 3" pipe.	CLN3 Dryer Off Gas	ISA-03 ADU Conversion
08383	21-Aug-2008	[		(a)(b)(c)	CFFF, Rod Soft Handling	Miscellaneous

08388	21-Aug-2008	[				CFFF, Rod Weigh Cookie Tray Conveyor	Miscellaneous
				](a)(b)(c)			
08390	28-Aug-2008	The bollards will prevent bulk containers from getting within 12" of the rack.	Install Bollards for Bulk Room Rack	Install bollards a minimum of 12" in front of the pre-production polypak rack outside of the bulk room.		Pre-production rack	ISA-05 ADU Bulk Powder Blending
08392	19-Aug-2008	This access door will facilitate removal of the packing media. At this time there is no easy way to inspect nor remove media.	Access Door for Scrubber S-974 (Chem Lab Scrubber)	This project consist of installing an access door in the side of Scrubber S-974. When this Scrubber was built, the manufacturer installed a frame with a blind flange for an access door, but did not cut the penetration.		Chemical Roof Area	ISA-01 Plant Ventilation System
08393	8-Aug-2008	The water to the Fitzmill is also turned off and can be removed. The removal of the piping will assure that water does not get into the equipment due to leaking valves. Similar to CCF 08-185 for Line 2.	Water removal from Line 1 Fitzmill	Remove the process cooling water from the Fitzmill enclosure. The piping will also be removed as far back as possible.		Line 1 Fitzmill enclosure and associated piping outside of enclosure	ISA-03 ADU Conversion
08399	6-Aug-2008	The valve will allow the draining of the vessel in a controlled manner. The current method of removing the blind flange is a safety issue.	Install a drain valve for V-305B *Emergency CCF*	V-305B is the off-line precipitator. The outlet of the vessel has been blinded off. A valve will be installed to facilitate the draining of the vessel.		V-305B	ISA-03 ADU Conversion
08400	29-Sep-2008	[		"](a)(b)(c)		Pelleting	ISA-08 Pelleting
08401	25-Sep-2008	Eliminate leaks and reduce operator exposure to ammonia.	Replace T-19 Filter Housing	Replace old style, prone to leak T-19 filter housings with a modern design: Parker 4L-FE6-2-2F. Rework filter inlet and outlet piping to fit the new design.		Tank Farm / T-19	ISA-05 ADU Bulk Powder Blending
08402	12-Sep-2008	Eliminate leaks and reduce operator exposure to ammonia.	Replace T-20 Filter Housing	Replace old style, prone to leak T-20 filter housings with a modern design: Parker 4L-FE6-2-2F. Rework filter inlet and outlet piping to fit the new design.		Tank Farm / T-20	ISA-06 Chemicals Receipt, Handling and Storage

08408	15-Aug-2008	New style cream can has built-in spacing, and will not allow cans to be pushed against structures where drain lines currently exist.	Modifications for New Cream Can use in Conversion	Modifications in Conversion to allow a new style cream can to fit in these locations. Locations include V-x19 drain lines, inlet and outlet used for acid washing HX-x11, water and acid lines in scrap cage and near line 4. The modifications involve either extending/rotating hard pipe, or adding a flex hose. It varies by line based on their height and location.	Conversion drain lines	ISA-03 ADU Conversion
08409	21-Aug-2008	To prevent condensation from forming on the underside of the metal roof.	Insulate the underside of the metal roof over Rod Lines 3 & 4.	Install heavy duty polypropylene covered fiberglass insulation (4" thick R-13) on the underside of the metal roofing over Rod Lines 3-4.	Plant roof / Chemical Area	Grounds
08410	21-Aug-2008	Mechanical torque limit lacks sensitivity and mechanism can be damaged by excessive torque.	Install torque limiter on 2A&B Steam chest lid	Install torque limiter on 2A&B Steam chest lid actuator. This modification will be same as line 3 & 4.	UF6 bay	ISA-03 ADU Conversion
08411	28-Aug-2008	Mechanical torque limit lacks sensitivity and mechanism can be damaged by excessive torque	Install torque limiter on 1A&B Steam chest lid	Install torque limiter on 1A&B Steam chest lid actuator. This modification will be same as line 3 & 4.	UF6 bay	ISA-03 ADU Conversion
08412	15-Sep-2008	New office space will need power	Electrical Services For Trailer #8	Run power from transformer to trailer #8	Area South of IFBA	Miscellaneous
08413	15-Sep-2008	New trailer will need fire alarm speaker	Fire Alarm for Trailer #8	Install Speaker and add Trailer #8 to the Fire Alarm Speaker System	Area South of IFBA	Miscellaneous
08414	21-Aug-2008	Higher vacuum and greater air flow are required to better clean assemblies	Replacement Vacuum Pump For CE Inspection Stand	Remove the original pump and install the new vacuum pump	CE Inspection Stand	ISA-17 Final Assembly
08415	3-Dec-2008	The passive overflow is being required to allow processing of UF6 cylinders with the cylinder valve open.	Install Passive Overflow on ADU Line 1 Hydrolysis Column	Install Passive Overflow on ADU Line 1 Hydrolysis Column. Design will be similar to the one installed on ADU Line 5 during the autoclave project. Minor changes will be required due to existing piping and equipment arrangement.	ADU Line 1	ISA-03 ADU Conversion
08416	19-Nov-2008	The passive overflow is being required to allow processing of UF6 cylinders with the cylinder valve open.	Install Passive Overflow on ADU Line 2 Hydrolysis Column	Install Passive Overflow on ADU Line 2 Hydrolysis Column. Design will be similar to the one installed on ADU Line 5 during the autoclave project. Minor changes will be required due to existing piping and equipment arrangement. This CCF is the same as CCF 08-415 except on this ADU line.	ADU Line 2	ISA-03 ADU Conversion

08417	5-Nov-2008	The passive overflow is being required to allow processing of UF6 cylinders with the cylinder valve open.	Install Passive Overflow on ADU Line 3 Hydrolysis Column	Install Passive Overflow on ADU Line 3 Hydrolysis Column. Design will be similar to the one installed on ADU Line 5 during the autoclave project. Minor changes will be required due to existing piping and equipment arrangement. This CCF is the same as CCF 08-415 except on this ADU line.	ADU Line 3	ISA-03 ADU Conversion
08418	22-Oct-2008	The passive overflow is being required to allow processing of UF6 cylinders with the cylinder valve open.	Install Passive Overflow on ADU Line 4 Hydrolysis Column	Install Passive Overflow on ADU Line 4 Hydrolysis Column. Design will be similar to the one installed on ADU Line 5 during the autoclave project. Minor changes will be required due to existing piping and equipment arrangement. This CCF is the same as CCF 08-415 except on this ADU line.	ADU Line 4	ISA-03 ADU Conversion
08424	8-Oct-2008	There is no area available for the proper storage of these parts.	Iso-Container for Traveller Part and Component Storage	An 40 foot iso-container is to be placed outside of dock 1. This iso-container is to be equipped with power, lights, and an exhaust fan. Shelves are to be built inside the iso-container for Traveller (shipping packaging) parts and components.	Dock 1	Grounds
08426	17-Sep-2008	These are two new network switches to support the manufacturing floor computers.	Power for 2 Cisco Switches	Install 2 sets of redundant 208 vac 20 amp UPS receptacle circuits in the Computer Room for 2 new Cisco NetworkSwitches.	Computer Room	Miscellaneous
08427	21-Aug-2008	Internal audit says we were not compliant with NFPA 70E, Artical 320.5 Battery Room Requirments (A) General. The battery room shall be accessible only to authorized personnel and shall be locked when unoccupied. Internal audit says we were not compliant with NFPA 70E, Artical 320.7 (F) Warning Signs.	Add locks to the entry doors for equipment rooms for UPS's 1,2,& 3	Add locks to entry doors to the equipment rooms for UPS's 1,2,& 3 and entry warning lables	Mechanical Equipment Rooms for UPS's 1,2,& 3	Miscellaneous
08428	14-Oct-2008	"The current needle valve (controlling the natural gas to the pilot flame) used on the ADU sintering furnaces have been incorrectly mounted and have been causing gas leaks (through the threads). A new needle valve will be a panel mount style, so it can b	Needle Valve Substitute	Setup a needle valve substitute for the sintering furnaces in pelleting operations.	Sintering Furnace	ISA-08 Pelleting

08429	29-Sep-2008	Changes identical to CCF 08147 (Items 1-3)To reduce the possibility for water flow blockage through the sintering furnace cooling sections. Item 4 is no longer in use and needs removed from the drawing. Item 5 is to prevent the elements from shorting together inside the furnace.	3C Sintering Furnace Improvements	1) Add a Hayward Duplex strainer on the cooling water line just prior to the header supplying the furnace. 2) Increase the copper line size from 1/4" to 3/8" diameter to reduce blockages. Change the 1/4" needle valves to 3/8" ball valves as well. 3) Separate the cooling chamber copper lines into 2 individual lines with a valve for each line. 4) Remove the cooling water going to the sight ports. 5) Add ceramic pins where necessary to the element pin walls to prevent element shorting.	3C Sintering Furnace	ISA-08 Pelleting
08431	20-Aug-2008	The existing drive has failed and the line 2 Torrit dust collector is off-line until it has been replaced.	Substitute ACS 550 drive for failed ACS 500	The ABB ACS500 variable frequency drive on line 2 Torrit has failed. It is obsolete and no longer available. ACS601 and ACS801 drives are on hand but are too large to fit in the electrical panel. They are not approved for external mounting. An ACS500 drive with a NEMA 12 rating will be installed on the exterior of the electrical panel. This is the same type of drive that is used on the new decanter controls. This CCF will allow the same substitution on the other Torrit dust collectors when the existing drives fail.	Line 2 Torrit	ISA-01 Plant Ventilation System
08433	19-Sep-2008	The current design does not promote a soft handling environment for the pellets.	Pellet Take-Off Bar Redesign	Redesign the pellet take-off bar (including possible material change) to promote soft handling on the pellet conveyor system for the R53 press	Pellet Press #5	ISA-08 Pelleting
08434	21-Aug-2008	The new precipitator is built to the EQ drawings and matches all the other precipitators with the exception on Line 2. This change will make all the precipitator's configuration the same.	Bottom flange reduction on V-205B	The precipitator, V-205B, is being replaced with a new vessel. The old precipitator has a 3" bottom flange. The drawing shows a 2" bottom flange. The new precipitator, which is identical to all the other precipitators, has a 1.5" bottom flange.	V-205B bottom flange	ISA-03 ADU Conversion

08443	27-Aug-2008	The clean-out port will be used to facilitate removal of foreign material in the transition. The access door will be used to fill the scrubber with packing.	Modify S-974 Chem Lab Scrubber	Install a clean-out port on the inlet transition of S-974. This port will be welded to the transition and it will be equipped with a removable cover. Also, install an access door in the topside of S-974. This door frame will be PVC welded construction and the door will be attached using SS hardware and sealed with a PVC gasket.	Plant Roof, Chemical Area	ISA-18 Laboratories
08445	29-Sep-2008	*During operation, the PLC faulted leaving the outputs enabled. In doing so, the internal infeed conveyor rollers continued spinning trying to convey in stationary rods. In-turn the rollers created gouges in the tube cladding scrapping 25 rods. CAPs Commitment # 08-232-C002	Add Watch-dog timer to Leak Checker PLC	Add Watch-dog timer to Leak Checker PLC to monitor PLC fault.	Helium Leak Checker in QC Rod Inspection Mechanical Side	Miscellaneous
08448	7-Sep-2008	Due to increased load, the VFD Running output relay contact failed (burning the trace on the control board). As a result the heater permissives and "heater ON" relays dropped out.	Install Pilot Relay to SOLX Vent Exhaust Fan VFD FN-972A	Install Pilot Relay to SOLX Vent Exhaust Fan VFD FN-972A.	Penthouse.	ISA-01 Plant Ventilation System
08454	29-Sep-2008	There is no water fountain in the building. Fountain is needed because workers are now required to be in there more often than usual.	Water Fountain for Patriot BLDG	Install drinking water fountain in the Patriot Bldg break area.	Break Area of the Patriot Storage BLDG	Grounds
08455	6-Nov-2008	"At this time the Helium is setup as a pressure driven system, meaning that when the tanks get down to a certain pressure they have to be changed out, leaving alot of left over helium to be purged. At this time Westinghouse is not refunded for the left ov	Helium Compressor	Install a Helium Compressor	Helium Storage	ISA-06 Chemicals Receipt, Handling and Storage
08456	17-Dec-2008	[		](a)(b)(c)	CFFF, Rod Soft Handling, Rod Weigh B, Out Accumulator	Grounds

08457	14-Nov-2008	Several position specific issues were noted with the previous installation of PE/Stop mounting hardware under CCF 08-379. This package of components will address those issues and provide for future replacements.	Rod Soft Handling PE Switch/Stop/Accessory Mount Replacement	Replace various Photo-eye switch, rod stop and accessory mounting hardware throughout the rod soft handling (RSH) conveyor system. This will be accomplished by developing a broader range of components (brackets, extensions, mounts, etc.) that can be mixed and matched to handle specific installation conditions. Once approved, these components will be able to be utilized as "LIKE KIND REPLACEMENTS" for the existing less flexible mounts throughout the RSH system. (Six specific positions are shown in this package and are targeted for the initial installations.) Replacements of the existing mounts will occur on an as needed and as individually scheduled basis.	CFFF, Rod Soft Handling	Miscellaneous
08459	29-Sep-2008	Hydracell pump has given less than acceptable service life.	Replace P-1481A with Goulds mag drive pump	Replace P-1481A (Hydracell D-10 pump) with Goulds 3298 1 x 1.5 x 5 XS frame mag drive centrifugal pump.	SOLX	ISA-07 Solvent Extraction
08461	4-Sep-2008	This modification is needed to support the implementation of CSE-12-A, Rev. 2.	IFBA Casket Permanent Spacer - 3" Slab	Add/Modify permanent spacers in the bottom of the IFBA caskets to limit the useful slab height to 3 inches. The current slab height is 4 inches.	IFBA Rod Transport Caskets	ISA-12 IFBA Fuel Rod Manufacturing
08462	11-Sep-2008	"Pellets are able to get out of the pellet conveyor and stoker causing multiple problems. Pellets are able to jam the conveyor pulley, which causes a safety issue when trying to release the belt. Pellets also accumulate underneath the conveyor as well a	LN2 Grinder Line Upgrades	Upgrade the scrap collection system for the stoker on grinder line 2 by adding pellet diverters on the sides of the stoker track and putting in a sheet metal funnel underneath the stoker.	Pellet Grinder Conveyor and Stoker	ISA-08 Pelleting
08465	29-Aug-2008	The old CRN 4 pump is not repairable and is obsolete. CRN 5 pump is the direct replacement and is upgraded to run more efficiently.	Pump for Respirator Cleaning Sink	Replace old CRN 4 Grundfos pump with an upgraded CRN 5 pump. Make modifications to piping to include flanged connections instead of threaded.	Respirator Building	Miscellaneous
08467	9-Sep-2008	Spare parts are unavailable.	Chem. Lab Isoprobe Mass Spectrometer Insulators	Manufacture High Voltage insulators for the Isoprobe Mass Spectrometer.	Isoprobe Mass Spec. in the Chem Lab	ISA-18 Laboratories

08472	29-Sep-2008	"Line 1 Grinder dual outlet centrifuge was the first one to be installed. Since that installation, a few modifications were made to other grinder centrifuge installations. These changes include installing bowl sensor, modified coolant tubing, and cuttin	Modify Grinder Centrifuge Line 1	Grinder Centrifuge Line 1 needs to be modified to be consistent with the other Grinder Lines.	ADU Pelleting	ISA-08 Pelleting
08473	17-Sep-2008	When the Viper Loop E-stop button is pushed, no audible alarm sounds in the Lab to inform personnel that the E-stop button was pushed. Address CAPS 08-144-C003 This alarm would notify personnel that the alarm has been pushed and they can take action immediately if necessary.	Rewire Viper Loop E-stop Alarm	The Viper Loop E-stop alarm circuit needs to be rewired so than an alarm sounds within the Lab when the Viper E-stop button is pressed. (CAPS 08-1440C003)	Mechanical Development Lab	ISA-18 Laboratories
08477	29-Sep-2008	The fitting frequently fails and cannot be replaced since it is welded in place. This requires complete dismantling of the column whereas a threaded design would only require fitting replacement.	Modify V1081 feed plate	Modify V1081 feed plate such that it is threaded to receive the Swagelock fitting. The current design welds the fitting into the feed plate.	SOLX	ISA-07 Solvent Extraction
08478	16-Sep-2008	Existing area needs to be remodeled, it is old and unattractive.	Remodel the observation corridor on the Mezzanine	Remodel the observation corridor; remove lighting and the backwall (away from the viewing window). Remove and install conduit, remove and install lights and receptacles.	Observation Corridor	Grounds
08481	10-Sep-2008	The force from the pusher rods is causing the current screws to fail under shear forces. The bigger screws will resist higher forces due to shear.	3B Furnace - Exit Pusher Modification	Change screw size from 1/4"-20 to a bigger size on the U-Bracket that holds the sprockets (see attached image).	Furnace 3B	ISA-08 Pelleting
08483	29-Sep-2008	The existing flow switches are obsolete and are no longer available. The proposed modification has been used successfully implemented on line 1, CCF # 08358	Replace Flow switch FSL-406A with magflow meter	The Teflon flow switch that is used to verify flow in the recirculation loop of the Nitrate storage column on line 4 and protect P-406A & P-406B will be replaced by a Rosemount magnetic flowmeter connected to a Moore SPA trip amplifier. The process pipe will be modified to accommodate the new flow meters. The Moore SPA will be hardwired into the pump starter circuit and the existing PLC logic for FSL-406A will be removed. SSC # ADUNIT-401 will be reconfigured.	Line 4 06 column	ISA-03 ADU Conversion

08484	29-Sep-2008	"The office is old, leaks when rain is blown onto it, and has mold growing inside posing a health risk. The attendants and/or customers have inadequate room to work or take shelter from harsh outdoor weather conditions. Also, electrical breakers freque	UF6 Cylinder Weigh Station Office	Replace current office (10' X 6') with new office (12.5' X 9.5') in accordance with Westinghouse specifications.	UF6 Cylinder Weigh Station Office	Site and Structures
08485	10-Nov-2008	"This change is needed to make this application consistent with other current ChAMPS apps. The change will eliminate numerous level three errors such as scanning a bulk container twice. The change will also allow IT to upgrade to newer versions without	Upgrade ADU Dumphood Application	Modify code on ADU dumphood application to use current dynamic link libraries(DLL).	Conversion Bulk Room	ISA-03 ADU Conversion
08488	29-Sep-2008	The ECG Machine has issues with high current and over temp of feed motor due to high friction and drag of the bushing type pillow blocks. These issues have caused many production interruptions and a lot of down time.	ECG Manchine Feed Carriage	Replace current pillow blocks that use plastic bushings to slide on the rails with specially designed pillow blocks that use bushings with rolling balls. Blocks are able to be greased, similar to the previous machine.	ECGM Room	Miscellaneous
08490	29-Sep-2008	Provide clearance to accommodate rake @ rod loading.	Tray Spacer	Design spacer to provide approximately 1/2" clearance between pellet rows and back of tray.	ADU Pellet Grinding/QC Inspection	ISA-08 Pelleting
08491	24-Sep-2008	[		(a)(b)(c)	Pellet preparation station line #5	ISA-08 Pelleting
08493	1-Oct-2008	This job must be completed prior to the CSE being implemented in order to operate Conversion Line 5 autoclaves.	UF6 Bay Trench Filling of Cavaties	There are three to four cavities at the bottom of the trench that need to be cleaned out and filled with cement. Measurements for an as-built drawing will also be taken.	East and West UF6 bay trench	ISA-03 ADU Conversion

08499	8-Oct-2008	Due to technological advances drive manufacturers are constantly changing models. This makes it all but impossible for the storeroom to reorder from the vendor, since the "setup" part is no longer available. This CCF would allow maintenance engineering to evaluate and change storeroom setup sheets on VFDs using the criteria specified in MCP-202174.	VFD Drive Replacement	This CCF will allow us to substitute Variable Frequency Drive(VFDs) Controllers. The current drive in the storeroom, part# 198001 is no longer available. This CCF will allow us to replace the existing ACS 140 with an ACS 350. This CCF will also let us replace obsolete drives as "like kind" as long as they are not used in an SSC and they satisfy the requirement in MCP-202174 (see attached PDF).	Rod Line 1 Transport system	Miscellaneous
08500	30-Sep-2008	The Halar-lining will stand up better to the corrosive material and prolong the life of the housing.	Use Halar-lined Bag Housing	The current bag filter housing, FL-1059, used for the dissolver in the Scrap Cage is made of SS. This CCF allows the substitution of a Halar-lined bag filter housing. The housings are identical in construction with the exception of the lining.	FL-1059 as part to the dissolver	ISA-03 ADU Conversion
08501	25-Nov-2008	This will support future projects such as the T20 tank controls addition and T46/T47 tank controls addition. This also facilitate the addition of Input and Outputs to support future rollover of obsolete TDC Input and Outputs.	Addition of Honeywell Controller in WT Still Control Room	Add a Honeywell C200 Controller in the Outside URRS "Ammonia Still" control room.	Ammonia Stills Control Room	ISA-15 URRS Wastewater Treatment System
08502	18-Sep-2008	The new valve will enable URRS to isolate the leaking line for maintenance.	Install Ball Valve on Softened Water Line to the Boilers	This CCF will install a ball valve immediately upstream of solenoid valve, XV-1143C.	Boiler House #2	Grounds
08503	18-Nov-2008	There is no way to detect loss of resin without opening the manways on these vessels. The exterior of these resin strainers are made of glass. This will give operations visibility if we have a loss of resin excursion.	Install Resin Strainers at DI Water	Install Resin Strainers in between the Cation and Anion Units and on the Anion Unit discharge to plant supply. Strainers will be installed on both A and B Trains.	DI Water Building	ISA-15 URRS Wastewater Treatment System
08508	7-Oct-2008	Excess legacy equipment adds to housekeeping issues, collects potential foreign materials that could be transferred to the tubing and in this particular case this carts location creates the potential for an employee to run into it with their leg.	Remove cart and associated utility lines for rework welder in Tube Prep	"West of the rework lathe in tube prep, a cart and associated utility lines remain for a rework welder that has been previously removed. The removal will consist of removing bolts that hold the wheeled cart to the rework lathe table and a metal plate wh	West of the rework lathe in Tube Prep	Miscellaneous

08517	24-Nov-2008	While mechanics were changing filters in FL-1515B on Pellet Line #1, they noticed a prefilter laying in the plenum, between the dust collector and the filter house. It was difficult to remove the filter because the plenum measures 54"x53"x16", with no access door. This access door will also facilitate periodic inspection of this plenum.	Pellet Line 1 Plenum Access Door	Fabricate and install an access door in the plenum box between the Dust Collector(FL1515A) and the HEPA Filter House (FL-1515B), on Pellet Line #1. Also, install a piece of expanded metal to support the prefilters, to prevent filters from falling in the plenum. This electronic CCF will replace the original paper copy, CCF-06113, which was written 03-08-2006.	Chemical Pellet Area	ISA-08 Pelleting
08520	24-Nov-2008	While mechanics were changing filters in FL-1515B on Pellet Line #1, they noticed a prefilter laying in the plenum, between the dust collector and the filter house. It was difficult to remove the filter because the plenum measures 54"x53"x16", with no access door. This access door will also facilitate periodic inspection of this plenum.	Pellet Line 2 Plenum Access Door	Fabricate and install an access door in the plenum box between the Dust Collector (FL1615A) and the HEPA Filter House (FL-1615B), on Pellet Line 2. Also, install a piece of expanded metal to support the prefilters, to prevent filters from falling in the plenum. This electronic CCF will replace the original paper copy, CCF-06113, which was written 03-08-2006.	Pellet Line #2	ISA-08 Pelleting
08521	11-Nov-2008	While mechanics were changing filters in FL-1515B on Pellet Line #1, they noticed a prefilter laying in the plenum, between the dust collector and the filter house. It was difficult to remove the filter because the plenum measures 54"x53"x16", with no access door. This access door will also facilitate periodic inspection of this plenum.	Pellet Line 3 Plenum Access Door	Fabricate and install an access door in the plenum box between the Dust Collector (FL1715A) and the HEPA Filter House (FL-1715B), on Pellet Line 3. Also, install a piece of expanded metal to support the prefilters, to prevent filters from falling in the plenum. This electronic CCF will replace the original paper copy, CCF-06113, which was written 03-08-2006.	Pellet Line #3	ISA-08 Pelleting

08522	27-Oct-2008	While mechanics were changing filters in FL-1515B on Pellet Line #1, they noticed a prefilter laying in the plenum, between the dust collector and the filter house. It was difficult to remove the filter because the plenum measures 54"x53"x16", with no access door. This access door will also facilitate periodic inspection of this plenum.	Pellet Line 4 Access Door	Fabricate and install an access door in the plenum box between the Dust Collector (FL1815A) and the HEPA Filter House (FL-1815B), on Pellet Line 4. Also, install a piece of expanded metal to support the prefilters, to prevent filters from falling in the plenum. This electronic CCF will replace the original paper copy, CCF-06113, which was written 03-08-2006.	Pellet Line #4	ISA-08 Pelleting
08525	25-Sep-2008	CaF solids need to be transferred to the West Lagoons on order to maintain compliance with our NPDES permit discharge requirements. The water off of these tanks will assist in maintaining a slurry so we will be able to pump these solids.	Install Temporary Fittings on Discharge of T-1187/1189 to assist in North and South Lagoon Cleanout	Install Temporary Fittings on Discharge of T-1187/1189 to assist in North and South Lagoon Cleanout	T-1187/1189 Contaminated Water	ISA-15 URRS Wastewater Treatment System
08526	6-Oct-2008	It is extremely difficult to trace under grade drain piping in the plant. The use of this environmentally friendly dye would greatly aid in efforts. This dye could end up in the contaminated sump, storm drains, and process cooling towers.	Drain System Dye Tracing	"Allow the use of dye tracer in the drain systems of the plant. This dye is a Xanthene based product. The technical data bulletin and MSDS's are attached. This will allow for either tablets or liquid material to be used based on the estimated quantity	Plant wide in drain systems	Grounds
08529	31-Oct-2008	These modifications will make the scrubber more efficient in ammonia removal and will ease the packing replacement project.	Refurbish Existing Waterglass Scrubber S-1190	Refurbish Existing Waterglass Scrubber S-1190. This CCF will install a more efficient spray nozzles, an access door for packing replacement on the roof of the scrubber, and an extra Mist Eliminator prior to the fan intake.	S-1190 Waterglass Scrubber	ISA-15 URRS Wastewater Treatment System
08530	13-Nov-2008	The existing dampers leak, making it difficult to remove the access doors when filter change out is required.	Replacement of inlet dampers on FL-961	Replace inlet dampers(2) on FL-961. The new dampers are Ruskin model CD80AF2, 304 stainless steel construction, ultra low leakage with jamb seals, and rated for 45 inches of static. Also replace the duct offset transition between the trunk line and the dampers. The existing transition is galvanized and severely degraded. The new transition will be 11 gage 304 stainless steel construction.	Chemical Area / Roof	ISA-01 Plant Ventilation System

08536	9-Oct-2008	At present when it is desired to turn on and off the vacuum pump, the operator opens the electrical control panel and flips the breaker. This is not good practice to reach into an energized electrical panel.	Grid Laser Welder 5 Vacuum Switch	Grid Laser Welder 5 has switch to allow the operator to turn off and on the vacuum pump separately. Add a switch to the control panel to allow this.	Mechanical area, grid fab department	Miscellaneous
08538	9-Oct-2008	"The existing Y axis scale has failed and the unit has been running of the motor encoder for a few months. It would require about two weeks or more down time to disassemble the equipment to the point where the scale can be accessed for replacement. The a	Replace Y Axis scale on Laser Welder 5	Add an external y axis scale to laser welder 5	Mechanical Side / Grid area	Miscellaneous
08540	18-Dec-2008	"Throughout the Rod Soft Handling System various efforts have been made to reduce the potential for contact between the equipment and the rods. (Tape, add on Delrin pads and strips, etc.) In most cases, the best way to make improvements on this issue is	Rod Soft Handling Lift/Rest Pad Replacement Mod	Provide a set of "LIKE KIND REPLACEMENT" pads of varying widths and lengths for use on the Rod Soft Handling equipment.	CFFF, Rod Soft Handling, General Walking Beam Parts	Grounds
08546	3-Oct-2008	The existing failed valve is obsolete and is only available on a made to order basis with a long lead time. Chamber #2 is out of service until this valve is replaced.	Substitute Solenoid valve Thermal Stability	Substitute ASCO solenoid valve # U8325B5V for failed GEMS solenoid valve. This new valve is a similar size and is correctly rated for this application.	Thermal stability furnaces	ISA-08 Pelleting
08547	21-Oct-2008	These items were identified as "punch list" items as areas for improvement during the installation of the new AVIS system on line 8. (CCF 07-348)	Line 8 AVIS Guard & Lifter Modification	1) Add side guards to separate the product/operator during the rod lift. 2) Add offset (low rise) lift saddle (assembly) option. 3) Add new "standard" replacement lift saddle (assembly) option. 4) Add new photo eye sensor mount with optional trigger flag option.	CFFF, Line 8, AVIS	Miscellaneous
08549	3-Oct-2008	This section of pipe is ruptured.	Repair contaminated drain pipe	Repair ruptured underground contaminated drain pipe. The damaged section of pipe is 4" terra cotta, buried 6 feet deep. This waste stream is comprised of shower water, overflow from Hermie, Final Assembly Wash Tank water and condensate from the Chemical Area. The repair will be accomplished using (2) metal transition couplings and a section of 6" CPVC pipe.	Grounds	Grounds

08550	21-Oct-2008	The new "smarter" GE PLC processors are more memory intensive. This causes the battery life to be shortened. If battery power is lost (battery drained) the program will have to be reloaded into the PLC and some downtime will occur. GE is aware of this issue and their recommended solution is to replace the battery with a larger battery. The original battery is internal to the PLC, the replacement battery will be mounted externally due to the limited space inside the PLC.	GE PLC Battery replacement	Replace the GE PLC "memory backup" battery on Rx3i and 374 processors	Plantwide	Miscellaneous
08552	3-Oct-2008	Satisfy the requirements set forth in CSE-1-AA.	Fan 39A/39B Exhaust Stack Modification and Filter House FL-39A PDI Modification	Two parts to this project: 1) Add a no-loss stack to the exhaust stack for fans 39A and 39B. 2) Plumb the pressure drop indicator showing the pressure differential across the HEPA filter for FL-39A filter house to function as a safety significant PDI.	Plant roof at filter house FL-39A	ISA-01 Plant Ventilation System
08554	31-Oct-2008	When aerosol freshers are sprayed in the bathroom, the airborne spray tends to set off the smoke detector, causing false fire alarms. It is expected by changing this device to a heat detector the false alarms will not occur.	Smoke Detector 16 change to Heat Detector	Change a smoke detector on SD16HD loop to a heat detector in the ADU men's change room bathroom.	ADU Men's change room restroom	Miscellaneous
08555	13-Oct-2008	Welder is rated for a 90 amp load.	Increase size of Electrical Feed to "Moly" Welder	Increase the existing Welder feed circuit from 60 to either 90 or 100 amps.	Moly Boat Welder	Miscellaneous
08556	31-Oct-2008	This will enable the Operator's to start and stop the pumps from the control room.	Upgrade pump controls for P19A and P19B.	This project will provide the functionality to shut the P-19A and P-19B pumps (for the P-19 Ammonia tanks) from the still control room. This will require upgrading the start/stop pushbutton stations and installing disconnects local to the pumps. This will also require PLC/DCS programming.	T-19 Ammonia tanks	ISA-06 Chemicals Receipt, Handling and Storage

08559	11-Nov-2008	The photo-eyes are very susceptible to damage from working in and around the grinder. These new photo eyes will have a stainless steel armor to protect them. The new amplifiers will see through the debris that covers the sensor and produces a false alarm on the HMI.	Grinder Line Line 2 Photoeye Replacements	See CCF 07582 for previous approvals. Replace the banner photo-eye sensors on the grinder lines that detect pellets passing by with a Keyence model photo-eye. The banner amplifier will also be replaced with a Keyence amplifier.	ADU Grinder Line 2: Feed system and conveyor	ISA-08 Pelleting
08560	10-Oct-2008	The Magne-Sonic series 100 vibrating fork Level control switch on 958 Scrubber is obsolete. The Magene-Sonic replacement is a 201TDSO. The 201TDSO switch is also sold by Emerson and Mobrey and is the same unit other than the color and brand name. Thi	Level Switch Substitution	Replace the Level Control Switch on the 958 Scrubber.	958 Scrubber on Roof	ISA-01 Plant Ventilation System
08563	7-Nov-2008	During presentations when the lights are low, its hard for individuals to see while taking notes, follow hand-outs, etc...	Lighting in Video Conf. Rm.	Install 2 more lights to the presentation lighting circuit in the video conference room.	Video Conference Room	Miscellaneous
08564	10-Oct-2008	The vaporizer wall has failed due to fatiuge. This type of repair is typical of many vaporizer wall reinforcements performed on the other vaporizers.	C101B Lower Support Arm Repad	Install a steel repad under the lower actuator arm for vaporizer C101B. This repad will not be a pressure barrier, it will only serve as mechanical reinforcement	C101B	ISA-03 ADU Conversion
08572	17-Nov-2008	This work is necessary for the installation of the new decanter and will reduce the installation downtime required for the major equipment.	Conversion Line 2 New Decanter Electrical Prework	For the Conversion Line 2 Decanter, install a new 10 amp DC power supply to include breakers (for future Automatic Oiler). Install new 60 amp disconnect for VFD, reworking the primary side of the VFD power only. Install new IC693ALG223 analog input card.	ADU Conversion Line 2 Decanter Controls	ISA-03 ADU Conversion
08573	2-Dec-2008	This work is necessary for the installation of the new decanter and will reduce the installation downtime required for the major equipment.	Conversion Line 1 New Decanter Electrical Prework	For Conversion Line 1 Decanter, install a new 10 amp DC power supply. to include breakers (for future Automatic Oiler). Install new 60 amp disconnect for VFD, reworking the primary side of the VFD power only. Install new IC693ALG223 analog input card. Lower Lamps and Pushbuttons V-119 / Auger 119 control panel.	ADU Conversion Line 1 Decanter Controls	ISA-03 ADU Conversion

08576	21-Nov-2008	Safety - Addition of a passive overflow for a process vessel Process Improvement - Provide ability to clean-out plant header and store material separate from main supply.	Installation of new nozzles on T-41 Tank in tank Farm	The installation effort for the new 30,000 gallon Ammonium Hydroxide tank (T-20), reference CCF 07-379, requires two (2) new nozzles to be installed on the existing T-41 tank. These new nozzles will include one (1) 4" nozzle for the passive overflow from the T-20 and one (1) 2" nozzle to be used by operations to purge the plant header.	10,000 gallon T-41 tank in Tank Farm	ISA-06 Chemicals Receipt, Handling and Storage
08583	3-Dec-2008	New furnace was purchased for calibration of thermocouples. This unit will require a new electrical feed.	Install Thermocouple Calibration Furnace	Install Thermocouple Calibration Furnace in the clean side instrument shop.	Clean Side Instrument Shop	Miscellaneous
08586	14-Nov-2008	"PLC D100 is obsolete and is being replaced with a new GE PLC. The hard wire relay will satisfy the ADU-SCR901 requirements currently performed by PLC D100. This work is needed so that favorable geometry Scap Cage Tanks can be installed by July 2009	V-1019 Level alarm wiring modification	"V-1019 level alarm is currently activated from PLC D100. The wiring from PLC D100 which activates the alarm will be removed and a hard wire relay will be installed to activate V-1019 High Level and the alarm horn which is associated with safety control	Scrap Cage	ISA-03 ADU Conversion
08593	24-Oct-2008	The 374CPU Processors will communicate at 100MB vs 10MB for the 364CPU. We are currently having communications issues and increasing the bandwidth to 100MB will be a marked improvement.	IFBA Coater PLC Upgrade	Upgrade 90-30 PLC Processors for the IFBA Coaters from a 364CPU to the 374CPU.	IFBA Pellet Coaters	ISA-14 IFBA Processing
08596	31-Oct-2008	There is no direct piping to transfer effluent from West II to the North and South. This will be necessary while West I is isolated for dredging and relining.	Temporarily Utilize Poly Line to Transfer West II Lagoon to the North or South Lagoon	Temporarily utilize Poly Line and associated flex hoses and fittings to transfer West II Lagoon to the North or South Lagoon.	West II Lagoon to North and South Lagoon	ISA-15 URRS Wastewater Treatment System
08597	18-Nov-2008	This line will be connected to a water source to allow good final clean prior to liner replacement on West II Lagoon.	Install Temporary Fittings on the Still Bottoms Line at West II Lagoon to assist Final Liner Cleaning	Install temporary fittings on the still bottoms line at West II Lagoon to assist final liner cleaning.	West II Lagoon	ISA-15 URRS Wastewater Treatment System
08603	17-Dec-2008	[			CFFF, QC Inspection, UT2	ISA-10 ADU Rods
08606	4-Dec-2008	[		(a)(b)(c)	CFFF, Rod Storage	ISA-10 ADU Rods

08607	17-Dec-2008	[				CFFF, IFBA, Line 5 and Passive Gamma Scanner	ISA-12 IFBA Fuel Rod Manufacturing
08611	24-Nov-2008	The D100 PLC is obsolete. Installation of the new operator interface and relocation of controls is part of the scope for the Scrap Cage Replacement Tanks project required by the Criticality Safety Evaluation by 6-09.	Scrap Cage Local Control Cabinet Modifications	=(a)(b)(c) ="The obsolete D100 PLC in the Scrap Cage will be removed and the logic will be relocated to an existing PLC in the area. A new operator interface will be installed to replace existing controls. I/O currently wired to the D100 will be relocated to the a		Scrap Cage	ISA-03 ADU Conversion
08612	4-Nov-2008	="Line 3 condenser will be added 2 more plates to increase the cooling surface by 11%. There seems to be a noticeable drop in cooling efficiency after the blower was changed out in May this year. This test is essential to check whether the dryer pressure p	Line 3 Dryer condenser cooling capacity	The Alfa Laval dryer condenser uses 19 plates, 24.7 sq.ft. of cooling area. The condenser has a capacity of 31 plates. We want to perform a diagnostic test on line 3 condenser to demonstrate that the cooling water supply is not adequate for condensation. Condensable vapor is trapped in the condenser creating a pressure drop across the condenser. We want to increase the cooling area by 11% up to 21 plates at 27.3 sq ft. The thickness compressed condenser plates will increase from 2.75" to 3.15"		Conversion area	ISA-03 ADU Conversion
08613	10-Nov-2008	Floor is currently a tripping hazard	Modify floor at bottom of vertical ladder	Pour concrete at the base of the ladder located by Conference room 300 so the floor is even and not sloped.		by conference 300 and substation 4	Miscellaneous
08614	5-Nov-2008	This change will simplify the strainer and make it easier to stock in the store room.	V-x06 Pump Wand Strainer Modification	Modify the existing wand strainer from a two piece pipe coupling and perforated plate welded construction to a one piece drilled pipe cap.		ADU Conversion Line Uranyl Nitrate System	ISA-03 ADU Conversion
08617	21-Nov-2008	New source addition will assure adequate source strength for optimum scanner performance.	Cf-252 Neutron Source for Gamma Scanner 3	Install a new 850 microgram source in gamma scanner # 3 and return depleted source to vendor. New source will be a FTC Model 100 provided by Frontier Technology Corporation.		Rod inspection	ISA-10 ADU Rods
08618	11-Nov-2008	Fan caused retesting at the weigh scale due to the circulating air. Electrical cord was removed immediately to stop the retesting.	Remove 30" column mount fan	Remove 30" column mount fan from column next to 9D.		Column next to 9D	Miscellaneous

08624	23-Dec-2008	<p>The 4" underground terra cotta contaminated drain line is leaking at numerous joints.</p> <p>The existing manhole has deteriorated / eroded from years of service.</p>	Rehabilitate 4" Contaminated Drain Line	<p>The 4" underground terra cotta contaminated drain line, located outside the building on the west side of the CFFF, will be replaced using 6" duct iron pipe. After replacing the pipe, the existing manhole will be excavated and a new manhole installed. The incoming lines will be tied in using 4" ductile iron pipe. On the downstream end of the new pipe, a 2nd manhole will be installed. The technique used to replace this pipe will be a trenchless repair, known as pipe bursting.</p> <p>The waste stream of this contaminated line is comprised of shower water, overflow from the ultrasonic strap wash tanks, Final Assembly Wash Tank water, Respirator Cleaning Facility wash water, UF6 Cylinder Wash Station waste stream and condensate from the Chemical Area.</p>	Building and Grounds / West side of the exterior wall of the CFFF.	Grounds
08625	4-Dec-2008	[			CFFF, Rod Prep, Line 9	ISA-10 ADU Rods
08626	17-Dec-2008	<p>"The current control and pneumatic systems for the Rod Soft Handling equipment have multiple energy supply points which make the current LOTO procedures difficult to follow or usually require the LOTO of the entire area as opposed to one section on the e</p>	Preliminary Work, LOTO Modification For Rod Soft Handling	<p>"To preliminarily add conduits, air lines, control boxes and misc. hardware items on and around the Rod Soft Handling equipment to allow for future modification of the control and pneumatic systems. This future modification is to allow for more assured</p>	CFFF, QC, Rod Soft Handling	Grounds

08627	18-Dec-2008	The current control and pneumatic systems for the Rod Soft Handling equipment have multiple energy supply points which make the current LOTO procedures difficult to follow or usually require the LOTO of the entire area as opposed to one section on the equipment. This modification will allow for parts of the RSH system to be "locked out" to allow future modification projects to be installed, for AP 1000 as an example, while minimizing the impact to production.	LOTO Modification For Rod Soft Handling	Complete modification to the control and pneumatic systems for the Rod Soft Handling equipment to allow for more assured LOTO procedures to be put into place and to allow sections of the area to be worked on independently.	CFFF, QC, Rod Soft Handling	Grounds
08629	24-Nov-2008	To prevent large objects from getting into the pumps	Install Suction Strainers on Process Sump Pumps	This CCF will install a suction strainer on the suction line of each of the Process Sump pumps: P-1125A and P-1125B.	URRS Outside Process Sump	ISA-15 URRS Wastewater Treatment System
08645	17-Dec-2008	In order to accommodate a short purge chamber on the sintering furnace. The spacer plate will allow for the standard end of chamber switch to be used. Ref. CCF 07615 for similar modification to the 3B furnace.	End of Chamber Switch Spacer Plate	Fabricate and install a spacer plate between the exit purge chamber and end of chamber switch on the sintering furnace.	3C Furnace	ISA-08 Pelleting
08650	26-Nov-2008	One pipe is believed to be an obsolete underground still bottoms line. The other is believed to have been used to pump the gator pond to the West II Lagoon. The still bottoms line is above ground welded/flanged pipe. If the gator pond did need to be transferred in the future, the integrity of this underground line would be questioned and a new line would be installed. Capping off these two pipes will eliminate two breeches in the new liner and will reduce the risk of ground water contamination.	Cap Off Obsolete PVC Pipes at the West II Lagoon	Cap off two obsolete PVC pipes at the West II Lagoon.	West II Lagoon	ISA-15 URRS Wastewater Treatment System
08656	2-Dec-2008	The PVC pipe is ruptured.	Repair ruptured underground city water pipe	Repair ruptured underground city water make up pipe supplying the Mechanical Cooling Tower. The existing pipe is PVC. The repair will utilize stainless steel.	Grounds / Mechanical Cooling Tower	Site and Structures

08676	27-Dec-2008	Installation of these valves is needed to install the Gamma monitors.	Bypass valves and piping for future installation of the Waterglass Gamma Monitors	"Installation of these valves requires all of the Conversion lines to be down. The valves provide supply and return connections in the effluent line from pumps P116B and P216B to Waterglass. The scope of this CCF will not reroute the path of the effluent	Q-Tanks Discharge piping to the Waterglass tanks	ISA-15 URRS Wastewater Treatment System
08677	11-Dec-2008	Installation of these valves is required to install the Gamma Monitors for the T-1170 tanks.	Bypass valves and piping for future installation of the T-1170 Gamma Monitors	"Installation of these valves requires the batch process in Waterglass to be down. The valves provide supply and return connections in the supply line to tank T-1170. The scope of this CCF will reroute the path of the supply to tank T-1170 to include t	T-1170 TANK	ISA-15 URRS Wastewater Treatment System
08686	10-Dec-2008	Eliminate bubble formation in UT at line 9.	Line 9 UT Piping Modifications	Removal of old piping to simplify the piping path in order to reduce potential for bubbles formation. Stainless steel piping and tubing was removed and replaced with flexible polypropylene tubing. Once troubleshooting is complete the polypropylene tubing will be replaced with stainless steel tubing. Further troubleshooting may involve changing the heater type and heater location.	Line 9 UT	Grounds
08694	18-Dec-2008	Restore functionality.	Restore re-sampling functionality of CCF 08038	When Blend Preparation application was upgraded the re-sample functionality of CCF 08038 was lost. QA-006 states that "changes" must have a CCF.	Blend Preparation Application	ISA-03 ADU Conversion
08703	23-Dec-2008	ANSI/ANS standard requires that all additional Raschig ring to the Q tank be permanently identified. The purpose is to distinguish the original rings from the new rings. We can trace the characteristic of the original rings and their aging process.	New Raschig ring Identification	"A cable tie will be wrapped around the newly added Raschig ring. The ID tie is made of teflon (tetrafluoroethylene). This is suitable for the chemicals such as nitric acid, HF and ammonia. Teflon is resistant to corrosion and has a lot of tensile strength	ISoprobe Mass Spec. in the Chem Lab	ISA-03 ADU Conversion
08705	19-Dec-2008	Existing Battery charger is broken and obsolete.	Install Battery Charger in Fire Pump House	Install Battery Charger in Fire Pump House #1.	Fire Pump House #1	Grounds
08710	23-Dec-2008	The Q-tank acid wash by-pass line is obsolete.	Removal of Q-tank acid wash by-pass line	The Q-tank acid wash by-pass line will be completely removed. The line will be cut and capped on both ends.	Q-tank monitor platform	ISA-03 ADU Conversion
08713	30-Dec-2008	Keep debris from roof work from getting on rods	Cover fuel rods with plastic sheets	Cover the fuel rod channels with plastic sheets	Channel storage	ISA-17 Final Assembly