

Exhibit C.8-2 – INTEC Systems/Facilities Refurbishment

NOTE: The projects in this exhibit are currently not included in the base scope but may be ordered pursuant to Section I.81, Changes Clause.

	Facility	System	Description	Justification
PBS-0012 SPENT NUCLEAR FUEL (Refurbishment Projects in Priority Order)				
1	CPP-666	Basin Water Treatment	CPP-666 Resin Bed Replacement - Empty spent resin holding tanks and disposition old resin, transfer spent resin to holding tanks, refill resin columns with new resin, and replace VACCO filters	End of Service Life
2	CPP-666	HVAC	CPP-666 HVAC System – Refurbish obsolete and inoperable HVAC equipment, including blower motors, dampers, bearings, actuators, controllers and instrumentation	End of Service Life Obsolete Equipment
3	CPP-666	Utility Piping	CPP-666 Utility Piping – Refurbish direct buried utility lines between the INTEC utility tunnel and CPP-666. Replace direct buried portion of utility lines for active services including: steam, condensate, treated water, potable water, demineralized water, and plant air.	End of Service Life
4	CPP-666 & CPP-603	FAST Distributive Control System (DCS)	CPP-666 Fuel Storage Area Distributed Control System – Replace DCS equipment that controls the CPP-666 Water Basin Treatment System and the CPP-603 HVAC System with updated and well supported technology.	End of Service Life Obsolete Equipment
5	CPP-666	Roof	CPP-666 Roof – Inspect and repair or replace unconventional four-layer roof construction as necessary. Utilize “white roof” technology if cost effective over the lifetime of the roof.	End of Service Life
6	INTEC	Radiological Protection Equipment*	INTEC Radiological Protection Equipment – Replace portable instruments, RAMs, CAMs, air samplers, filter counters, TLDs, and whole body counters	End of Service Life
7	CPP-666	FSA Basin PA System	CPP-666 PA System – Replace PA system to improve clarity of communications in the basin.	Safety Improvement
8	CPP-603	Shield Door	CPP-603 Shield Door Doghouse Platform – Install a platform for donning and doffing PPE prior to entry into the Shield Door Doghouse or onto the CPP-603 roof.	Safety Improvement
9	CPP-603	HVAC	Removal of Abandoned HVAC Ductwork from CPP-603 Roof – Remove ductwork with internal contamination from the CPP-603 roof without impacting the safety function of the roof.	Radiological Hazard Reduction

	Facility	System	Description	Justification
10	CPP-603	In-Cell Crane	CPP-603 Crane and Par Refurbishment – Refurbish in-cell crane and PAR to facilitate individual SNF element removal.	Operations Efficiency
11	CPP-603	Shield Door	CPP-603 Shield Door Actuator – Refurbish the west side shield door actuator to improve shield door reliability	End of Service Life
PBS-0014 INTEC PROGRAM (Refurbishment Projects in Priority Order)				
12	INTEC	Emergency Communications	INTEC Emergency Communications System (ECS) – Replace aging equipment to ensure compliance with new codes	End of Service Life Obsolete Equipment Safety Improvement
13	INTEC	Power Distribution	INTEC Power Distribution PM Recovery Phase II – Replace aging electrical distribution equipment partial data gathering for breaker coordination using SKM Systems Analysis (Load Centers to Major Facility Feeds), including PM development	End of Service Life Safety Improvement
14	INTEC	Power Distribution	INTEC Utility Control System – Replace PLC based control system that provides remote control of substation and load center breakers, and automatic reconfiguration for standby diesel generator power on loss of offsite power	End of Service Life Obsolete Equipment
15	INTEC	Power Distribution	INTEC Power Distribution PM Recovery Phase III – Replace aging electrical distribution equipment and complete breaker coordination and arc-flash labeling using SKM Systems Analysis (complete down to Haz Cat 0 equipment), including PM development and training	Safety Improvement
16	CPP-606	Plant Air	INTEC Air Compressors - Replace aging air compressors in CPP-606	End of Service Life

*Calibration and Maintenance of the equipment is included in the contract. This entry pertains to replacement of equipment that fails or can no longer be maintained.