Darlington 2014 Target – 66 person-rem/unit





Initiative (Priority)	Description	Status	Path Forward
RP-01 (H)	Eliminate or Reduce Closure Plug Leakage During Outages	• AISC approved in principle. • No funds available until 2011	• F/H manager to obtain AISC approval for development funds for 2011
RP-03 (H)	Develop a new Online Reporting System to reduce worker dose through improved human performance.	• Complete (system in place)	• Quality improvement on-going
RP-04 (H)	Enable Vault Vapor Recovery System (VVRS) tritium removal functionality by creating an alternate Nitrogen venting path during Ice plug work.	• AISC-Part A is approved.	• On the new project start list for 2010 • Value Engineering workshop scheduled for Jan 11-12, 2010
RP-05 (M)	Increased Use of Shield Blocks on reactor face. Design and install overhead shielding structure	• Funding allocation in-progress • AISC Part A/B approved and developmental funding released. Conceptual design in-progress,	• Intent to purchase an additional 84 blocks for 2010 and use for the damp scrape work to determine effectiveness. • Complete conceptual design and obtain budgetary proposal./AISC approval for partial project funding release. AFS date: Q3/2011
RP-09 (M)	Optimization of fuel handling purification.	• Kinetrics report on IX effectiveness issued. • Analysis of submicron filtration effectiveness in-progress	• If savings warrant, carryout a trial in 2010. • Requirement to purchase a flask for F/H, so filter change-out does not impact FM availability

Corporate Health Physics





Initiative (Priority)	Description	Status	Path Forward
RP-05 (H)	Reactor Face Shielding Cabinet Improvements (shielding blocks, overhead shielding structures, etc)	AISC has approved a partial release of funds to progress the design	
RP-06 (H)	FM- Stellite Ram Ball Replacement Material	COG report on material testing Q1 2010	AISC Process initiated to fund out-of-core testing (2010-2011) and DNGS implementation (pre Project SPOC assigned
RP-13 (H)	Upper Feeder Cabinet Inspection Robot	In progress	Schedule has been delayed and may not be ready for spring 2010.
RP-14 (H)	Multiple, Simultaneous Feeder Inspections *(Implementation of this initiative could reduce or eliminate the need for RP-13)*	AISC Part A was completed in June 2009	Further interface with marketplace will continue in 2009 with the BCS developed for submission in mid 2010
RP-24 (H)	Improve Alpha Monitoring Program.	NEED UPDATE	NEED UPDATE

Corporate Health Physics (continued)





Initiative (Priority)	Description	Status	Path Forward
RP-25 (M)	Close RP Qualification Health of training gap from Red to White	NEED UPDATE	NEED UPDATE
RP-26 (H)	Complete Area Map Implementation to enable workers to know hazards before entry to Rad work areas	The project software implementation is on track for Q1 2010	
RP-27 (H)	Enhance follow-up of Personal Contamination Events (PCEs) and EPD Dose rate alarms.	All sites are actively in the process of applying Guideline for improved EPD Dose rate Alarm follow- ups.	
RP-28 (H)	Make changes to ALARA Assessing process (Transfer accountability to perform radioactive work assessing to ALARA staff)	N-PROC-RP-0027 has been revised (Oct 30, 2009) reflecting agreed on changes to transfer responsibility.	NEED UPDATE
RP-29 (H)	Implement Licensed Source Software	Final changes to the software are being provided to the supplier. TBD by end of 2009 UPDATE?	UPDATE
RP-30 (H)	Design, Test and Implement Improved Radiation Personal Protective equipment.	UPDATE	UPDATE

PNGS-A 2014 Target – 125 person-rem/unit





Initiative (Priority)	Description	Status	Path Forward
RP-05 (H)	Reactor Face Shielding Improvements	• John Stopar to provide update?	
RP-08 (H)	Reducing Co-60 source term in the HTS by introducing Macro-Porus Resins into the existing HT-IX Column Filtration System.	• Unit 4 Trial preparations ongoing. • Cat ID and WO set up for WW22 for IX 3 and 4 resins • Chemistry is following up on material supply issues. • Teledosimetry to support data collection/effectiveness measure	• Continue preparing for U4 trial. • Fred Dermarkar has requested meeting with Martin Tulett and Robin Manley to obtain confidence that benefits will be achieved
RP-09 (H)	Optimization of Fuelling Machine Filtration	• D_2O Supply filter pore size reduction to 0.45 um	• Continue as planned through 13 week schedule.
RP-10 (H)	Moderator and Heat Transport Detritiation	• A small moderator swap is ongoing during P946. • Additional moderator swaps of 150 Mg are planned during P1011 and P1041	• Moderator swaps are in planned outage scope. • Path forward is to ensure not de-scoped.
RP-17 (H)	Reduce Ambient Tritium in the RB through Ventilation Alignment and Improvements	• Current configuration is not defined in the design manual at PA. • No budget in 2009 to execute. (costs have tripled) • Work was not completed as planned in 2009	• Pickering A Operational Plan milestone I125 (M788) owned by Operations. Path forward is not known at this time.

PNGS-B 2014 Target – 82 person-rem/unit





Initiative (Priority)	Description	Status	Path Forward
RP-08 (H)	Reducing Co-60 source term in the HTS by introducing Macro-Porus Resins into the existing HT-IX Column Filtration System.	⑩ Awaiting trial on Pick A	⑩ Awaiting trial on Pick A. ⑩ Chemistry looking into another slurry capable resin for Pick B.
RP-10 (H)	Detritiation of PHT and Moderator System.	⑩ Moderator tritium content 13 Ci/kg ⑩ Average HT tritium reduced to 1.13 Ci/kg by adding D_2O during P961	⑩ Moderator transfer to Unit 8 being scheduled for Q1.
RP-11 (H)	D_2O & Vapor Leak Reduction.	⑩ D_2O leak work down list prepared and status of leaks being updated.	⑩ Track and repair leaks as scheduled.
RP-19 (H)	Instituting ALARA mentors in field to observe and apply dose reduction techniques.	⑩ Four staff employed on P961. Dose target met.	⑩ Due to budget restrictions PNGS-B will employ 2 staff in P1081.
RP-22 (M)	Implementing Steam Generator decontamination process.	⑩ CO2 ice blasting demonstrations completed.	⑩ Working with IM&CS to qualify for use in boilers.
RP-23 (H)	Reduce Heat Tansport bleed Filters pore size from 0.45 µm to 0.1 µm.	⑩ Unit 8, Filter 2 scheduled in WW15.	⑩ Priority on NICR preparation to be raised. ⑩ Require a flask.