

**SGT Work Release Document**  
**(Vacuum's and Blowers)(11/23/09 17:00)**

**EXEMPT**  
 #1

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**Job title:** Pipe End Decontamination (PED) of the "A" and "B" cold legs

**Package #:** SG3063

**Description:** A mechanical process is used to remove contamination from the inside of the RCS piping. The process uses a contained media that is blasted at the inside of the piping to remove the fixed contamination. The media is then returned back to the hopper using a closed recirculation system. The system is an engineered skid which uses a pipe plug and blast shield to seal up the pipe prior to the decontamination efforts. Preparation for PED will include the proper filter, set up, and operation of contamination and engineering controls.

**Alara Plan:** 09-019

**HEPA's/Vacuum's:** A vacuum is used to clean the cold leg piping prior to insertion of the plug. A HEPA is used in conjunction with this activity and will be running at the pipe opening.

**Procedure requirements:**

- HEPA running with a hose at the RCS pipe opening
- Continuous RP coverage during the entire evolution
- Prior to start of PED, RP to ensure HEPA's at the collection tent are operational and running
- Air samplers and CAM's will be started in the tent and on the platform prior to starting the evolution.
- Any change out of filters will require respirators

**Procedure references:**

- RP-AA-500-1005 Controlled vacuum cleaners
- RP-AA-500-1006 Operation and filter replacement of portable ventilation systems

**Additional compensatory measures:**

Action	Completed by: Name	Date
All vacuum cleaners and blower units used for the evolution will be walked down and checked for proper configuration to complete the task including proper filters, working condition, configuration.	Bjorn Nilsen Bjorn	11-23-09
Ensure an adequate power supply is provided and it is reliable for the duration of the evolution	Mike Lundhagen	11-23-09
Review the RWP and ensure it is adequate for the job given the OE from TMI reactor building airborne event	Bjorn Nilsen Bjorn	11-23-09
Review the ALARA plan and ensure it is adequate for the job given the OE from the TMI reactor building airborne event	Bjorn Nilsen Bjorn	11-23-09
Review the Work Package for adequacy of set up and operation of contamination and airborne engineering controls.	Nelson Lund	11/23/09
Pre-Job brief and locked high radiation briefs are to discuss roles and responsibilities concerning functionality of equipment and locations of air monitors in the area.	Bjorn Nilsen Bjorn	11-23-09
Notify OCC of the evolution prior to start to ensure no changes in ventilation are expected which will affect the job.	Nelson Lund	11/23/09
Notify OCC of intention to begin work so they can make the appropriate notifications to station management.	Nelson Lund	11/23/09
Continuous coverage by radiation protection department is required.	Bjorn Nilsen Bjorn	11-23-09
Platform decontamination is completed and released by radiation protection.	Bjorn Nilsen Bjorn	11-23-09
RP checks air flows and verifies air samples are running at the equipment and construction opening.	Bjorn Nilsen Bjorn	11-23-09

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