

- Rebuild drives in a CRD "doghouse" containment or in an underwater rebuild tank
- Use glove bags to remove spud filters
- Use ultrasonic sinks or flush tanks to clean drives
- Use long gloves and plastic suit for removing drives from under vessel
- Ventilate disassembly table, spray CRDs, and decon table periodically

## 28.2 PWR Repetitive High-Dose Job - Dose-Reduction Data Sheets

<u>Sheet No.</u>	<u>Job Title</u>
1	Cavity Decontamination
2	Chemical, Volume, and Control System Repair and Maintenance
3	Fuel Shuffle, Sipping, and Inspections
4	In-Service Inspection
5	Instrumentation repair and calibration
6	Insulation Removal/Replacement
7	Operations-Surveillance, Routines, and Valve Lineups
8	Plant Decontamination
9	Pressurizer Valve Inspection, Testing, and Repair
10	Primary Valve Maintenance and Repair
11	Radwaste System Repair, Operation, and Maintenance
12	Reactor Assembly/Disassembly
13	Reactor Coolant Pump Seal Replacement
14	Residual Heat Removal System Repair and Maintenance
15	Scaffold Installation/Removal
16	Secondary Side of Steam Generator Inspection and Repair
17	Snubbers, Hangers, and Anchor Bolts Inspection, and Repair
18	Steam Generator Eddy Current Testing
19	Steam Generator Manway Removal/Replacement
20	Steam Generator Tube Plugging/Sleeving

## Example of Dose-reduction Data Sheet for a Repetitive High-dose Job

**CAVITY DECONTAMINATION:** Decontamination of the reactor cavity floor and walls during refueling. Can include wet mop, muslin, hydrolasing, hand scrub, wall-washing machines, electropolishing, and strippable paint.

### Dose-Rate Reduction Techniques:

- Perform as much decontamination from above as possible
- Change mop heads on charging floor
- Continuously monitor mop heads, vacuum cleaner, and muslin
- Maintain distance from vessel opening and transfer canal
- Use underwater vacuum on floor during draindown
- Place lead on skiff or bucket walls and bottom
- Use remote cleaning equipment e.g. robotic hydrolaser

### Timesaving Techniques:

- Provide highly polished stainless steel walls
- Provide wall-and floor-washing machines
- Use strippable decontamination coating
- Perform electropolishing or wet glass bead blasting
- Perform method and logistics of cavity decontamination
- Employ experienced decontamination technicians

### Contamination-Reduction Techniques:

- Hose down walls and brush crud (bathtub) ring from the charging floor during draindown
- Use strippable decontamination coating
- Keep walls wet prior to decontaminating