

Staging notes: Stage shield box, bead blast cart and EIES cart  
 Place bags on kiddie pool frames;  
 Disconnect the EIES probes;  
 Check all lamps work;  
 Check all O-ring, Ga covers, vacuum hoses present  
**5min before: crack and sniff tables for H2Se**

## CIGS Script

### Joint Table Clean & Chamber Clean REV001

Lead Role	EIES Role	Chamber Clean Role	Chamber Clean Role	Chamber Clean Role	Table Clean Role	Table Clean Role	Table Clean Role	Table Clean Role
0h:00m Team roles assigned, ready to drop tables					Start Time: _____			
Drops Table1 and sniffs for H2Se	Take EIES pics in Evap1	Place kiddie pool into Evap1	Place kiddie pool into Evap3	Place kiddie pool into Evap2	Place lamps in Evap1,2,3	Place O-ring covers and remove doghouse shields from Table1	Takes pictures of Table1,2,3	Place tags on Table1
Drops Table3 and sniffs for H2Se						Place O-ring covers and remove doghouse shields from Table3		Place tags on Table3
Drops Table2						Place O-ring covers and remove doghouse shields from Table2		Place tags on Table2
0h:15m Table pics, EIES pics, kiddie pools for E1, E2 & E3 complete; tube catchers removed from E2 & E3								
Drop Post, Pre, Exit, and Entry Evap. Place O-ring covers on all Evaps.	Take EIES pics in Evap2	Under direction of EIES Tech, help remove EIES shutters and hats			Vacuum and remove Moly shields on Table1	Vacuum and remove Moly shields on Table3		
	Remove 6 Probes on NCW side	Clean Evap3	Clean Evap2	Clean Evap1	Remove Se chimneys from Table1, 3, & 2			
Remove Se covers from Table1, 3, & 2								
Place lamps in Pre and Post Evap					Remove triple shields from Table1&3			
0h:30m Triple shields removed; NCW EIES probes removed; all Se chimneys and Se covers removed; all tables dropped								
Place the Ga covers on Evap1	Remove 6 Probes on CW side	Continue to clean Evap3	Continue to clean Evap2	Continue to clean Evap1	Remove side shields and LILO covers on Table3	Remove triple shields from Table2		
Place the Ga cover on Evap3	Remove all slider rods (12x). Send shields & shutters to beadblast				Remove side shields and LILO covers on Table1	Remove side shields and LILO covers on Table2		
Help remove shields								
1h:00m E1,E2,E3 clean; Ga covers on; table shields removed, CW EIES probes and slider rods removed								
Remove crucibles Table2	Roll CIGS Hot box shields cart to shipping area	Toss KP plastics from Evap 1,2,3	Move to clean Post-Evap	Move to clean Pre-Evap	Remove power connectors from Table2			
Remove crucibles Table3		Vacuum and clean Evap 1,2,3			Remove power connectors from Table3			
Remove crucibles Table1	Service the 12 EIES probes	Remove kiddie pools w/ Turn Lead Evap1,2,3	Vacuum Post-Evap	Vacuum Pre-Evap	Remove power connectors from Table1			
Gather ceramics and shields					Vacuum and clean Table1	Vacuum and clean Table3		
Remove KP w/ Chamber Clean Tech								
1h:30m Pre,Post clean; all power connectors removed; all crucibles removed; script complete!					End Time: _____			