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| Traveler Title | HPR Cavities |
| Traveler Abstract | This traveler covers the data recovered during the High Pressure Rinsing of the F100 cavities.  |
| Traveler ID | P1-CHEM-CAV-HPR |
| Traveler Revision  | R1 |
| Traveler Author | Ashley Anderson |
| Traveler Date | 6-Aug-2020 |
| NCR Informative Emails | areilly,forehand |
| NCR Dispositioners | ashleya,kdavis,ganey |
| D3 Emails | ashleya,kdavis,forehand,ganey |
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 | K. Davis | A. Reilly |  |
| Approval Signatures |  |  |  |  |
| Approval Date |  |  |  |  |
| Approval Title | Author | Reviewer | Project Manager |  |

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| References | List and Hyperlink all documents related to this traveler. This includes, but is not limited to: safety (THAs, SOPs, etc), drawings, procedures, and facility related documents. |
| [Cavity HPR](https://jlabdoc.jlab.org/docushare/dsweb/Get/Document-61648/CP-C100-CAV-HPR.pdf) |  |  |  |  |
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| Revision Note |  |
| R1 | Initial release of this Traveler. |

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| **Step No.** | **Instructions** | **Data Input** |
| 1 | Record Cavity ID, Rinse Operator, Technician (if additional person assisting), Date and TimeIF for any reason process of this cavity is stopped due to a question or problem select the Help Request toggle. This will trigger a red status on the traveler dashboard showing a work stoppage. When the problem is resolved deselect the toggle to continue process. Create D3 to document activities requiring Help Request. | [[CAVSN]] <<CAVSN>>[[Operator]] <<SRFCVP>>[[Technician]] <<SRFCVP>>[[DateAndTime]] <<TIMESTAMP>>[[HelpRequest]] <<YESNO>> |
| 2 | Log the assembly step taking place after this HPR.Is Helium Vessel welded on? | [[ProcessStep]] {{1stAs,2ndAs,StringAs}} <<RADIO>>[[HeliumVessel]] <<YESNO>> |
| 3 | Transfer the cavity to the HPR cabinet:* Insert cavity into HPR cabinet so the FPC flange is facing the top left.
* Assure cage frame is seated properly in table.
* Remove flange blanks (working top to bottom, back to front; avoid reaching across any open flanges).
* Check wand alignment. Log shim locations if applicable.
* Replace top beam tube flange blank
 | [[Cage]] <<FLOAT>>[[FrameSeated]] <<YESNO>>[[Post1]] <<TEXT>>[[Post2]] <<TEXT>>[[Post3]] <<TEXT>>[[Post4]] <<TEXT>>[[RemovedBlanks]] <<YESNO>>[[Alignment]] <<YESNO>>[[TopFlangeCovered]] <<YESNO>> |

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| **Step No** | **Instructions** | **Data Inputs** |
| 4 | * Record HPR data:
* Start program **7cell 12Gev/LL** and record time
* Record HPR plant DI resistivity value
* Record HPR DI Temperature
* Record HPR Pump Pressure
* Record HPR Inlet Resistivity
* Record any comments for the HPR run
* Record HPR End time
 | [[StartTime]] <<TIMESTAMP>>[[PlantResistivity]] <<FLOAT>>m-ohm[[DITemp]] <<FLOAT>>C[[PumpPressure]] <<FLOAT>>psi[[InletResistivity]] <<FLOAT>>m-ohm[[EndTime]] <<TIMESTAMP>>[[HPRComments]] <<COMMENT>> |
| 5 | * Transfer the cavity to Class 10 Area for drying:
* Cover flanges (working from bottom to top, front to back; avoid reaching across any open flanges).
* Remove Cavity from HPR cabinet. Record time removed from cabinet
* Wheel cavity into Class 10 (*acceptable to leave cavity outside of Class 10 prior to 1st assembly in some cases*).
* Remove flange blanks (working top to bottom, back to front; avoid reaching across any open flanges).
 | [[RemovedFromCabinet]] <<TIMESTAMP>>[[RemovedBlanks]] <<YESNO>>[[Comments]] <<COMMENT>> |