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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 | | | |
| Approval Names | 1. Anderson | 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 Time  IF 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>> |