|  |  |
| --- | --- |
| Traveler Title | Standard Traveler for Cavity High Pressure Rinse Processing |
| Traveler Abstract | Documents and captures data for cavity high pressure rinses in either the original or new HPR cabinet. |
| Traveler ID | SRFRD-CHEM-CAV-HPR |
| Traveler Revision  | R1 |
| Traveler Author | T. HARRIS |
| Traveler Date | 7-Jul-25 |
| NCR Informative Emails | PAIGEW,FIEDLER |
| NCR Dispositioners | TMHARRIS,FOREHAND,KDAVIS |
| D3 Emails | PAIGEW,FIEDLER,TMHARRIS,FOREHAND,KDAVIS |
| Approval Names | T. HARRIS | G. CIOVATI | K. DAVIS | R. GENG |
| Approval Signatures |  |  |  |  |
| Approval Dates |  |  |  |  |
| Approval Title | Author | Reviewer | Production Rep | Project Rep |

|  |  |
| --- | --- |
| 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. |
| [New HPR Tool Procedure](https://jlabdoc.jlab.org/docushare/dsweb/Get/Document-111140/New%20High%20Pressure%20Rinse%20Operating%20Procedure_2015.pdf) | [HPR log file](https://jlabdoc.jlab.org/docushare/dsweb/View/Collection-19828?sort=Date) | [CP-C100R-CAV-CHEM-HPR](https://jlabdoc.jlab.org/docushare/dsweb/Get/Document-189964/CP-C100R-CAV-CHEM-HPR.pdf) |  |  |
|  |  |  |  |  |

|  |  |
| --- | --- |
| Revision Note |  |
| R1 | Initial release of this Traveler. Adapted from C100R-CHEM-CAV-HPR-R1 |

|  |  |  |
| --- | --- | --- |
| Step No. | Instructions | Data Input |
| **SAFETY:** Individual must keep safety as the first priority in the process; before beginning any job, the user must assure they have the correct PPE for the individual job. Maintaining the level of safety and secure nature of the work area is paramount. Assure personal safety by using caution in movement and taking necessary steps to avoid unnecessary personnel in the immediate area. |
| 1 | Record Project ID and any project specific instructions | [[PROJSN]] <<PROJSN>>[[PROJNAME]] <<TEXT>> [[ProjInstructions]] <<COMMENT>>[[ProjFiles]] <<FILEUPLOAD>> |
| 2 | Record cavity ID or serial number | [[CAVSN]] <<CAVSN>> |
| 2 | Log the process step taking place after this HPR | [[ProcessStep]] {{FirstAssemby,SecondAssembly,Other}} <<RADIO>>[[ProcStepOtherComment]] <<COMMENT>> |
| 3 | Record if a nozzle different from the standard fan-type or HPR head with xxx nozzles was used.If yes, add comments about the new nozzle or HPR head | [[DifferentNozzle]] <<YESNO>>[[NozzleType]] <<COMMENT>> |
| 4 | Enter Data (normally entered into spreadsheet) into fields below: |  |
| HPR DATE | [[HPRDate]] <<TIMESTAMP>> |
| HPR IN OPERATOR | [[HPRINOperator]] <<SRFCVP>> |
| HPR NEW or OLD | [[HPRCabinet]] {{NEW,OLD}} <<RADIO>> |
| HPR SETTINGS* Ambient or Hot Rinse

Normal Settings for New HPR: Lift speed 0.4 in/min., Table speed 2 RPMSelect whether ozone was injected during HPR | [[AmbientOrHotRinse]] {{AMBIENT,HOT}} <<RADIO>> [[RotationOrWandSpeedChanged]] {{YES,NO}} <<RADIO>>[[IfYesRecord]] <<COMMENT>>[[Ozone]] <<YESNO>> |
| PUMP PRESSURE (PSI) | [[PumpPressure]] <<FLOAT>> PSI |
| HPR DI INLET RESISTIVITY (MOhm) | [[HPRDIInlet]] <<FLOAT>> MOhm |
| PUMP CONTROLLER FREQUENCY (HzOR%) | [[PumpController]] <<FLOAT>> {{Hz,%}} <<RADIO>> |
| TOP LOCATION OF THE WAND (INCHES) | [[TopLocation]] <<FLOAT>> in |
| BOTTOM LOCATION OF THE WAND (INCHES) | [[BottomLocation]] <<FLOAT>> in |
| HPR START TIME | [[HPRStartTime]] <<TIMESTAMP>> |
| NUMBER OF PASSES | [[NumberOfPasses]] <<INTEGER>> |
| TOTAL TIME (minutes) | [[HPRTotalTime]] <<FLOAT>>mins |
| HPR END TIME | [[HPREndTime]] <<TIMESTAMP>> |
| CAGE TYPE OR SN | [[Cage]] <<TEXT>> |
| RECORD THE ORIENTATION OF THE CAVITY, SUCH AS "SIDE PORTS UP", "SMALL BEAM TUBE UP", ETC. | [[CavityOrientationNotes]] <<COMMENT>> |
| HPR OUT OPERATOR | [[HPROutOperator]] <<SRFCVP>> |
| 5 | Specify whether all the ports are left open for drying | [[PortsOpen]] <<YESNO>>[[PortsComment]] <<COMMENT>> |
| 6 | HPR NOTES | [[HPRNotes]] <<COMMENT>> |
| 7 | Upload HPR file (Found [Here](https://jlabdoc.jlab.org/docushare/dsweb/View/Collection-19828?sort=Date)) | [[AttachDataFile]] <<FILEUPLOAD>> |