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| Traveler Title | P1 Cavity Flange Acid Etch Traveler | | | |
| Traveler Abstract | The following traveler records acid etch data fo P1 cavity flanges. | | | |
| Traveler ID | P1-CAV-CHEM-ACID | | | |
| Traveler Revision | R1 | | | |
| Traveler Author | Alex Wildeson | | | |
| Traveler Date | 23-Sept-2020 | | | |
| NCR Informative Emails | areilly,forehand,ganey | | | |
| NCR Dispositioners | ashleya,kdavis | | | |
| D3 Emails | ashelya,ganey,kdavis,forehand | | | |
| Approval Names | Alex Wildeson | Ashley Mitchell | Kirk Davis |  |
| 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. | | | |
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| Revision Note |  |
| R1 | Initial release of this Traveler. |

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| **Step No.** | **Instructions** | **Data Input** |
| A | Input Cavity SN: | [[CAVSN]] <<CAVSN>>  [[DateTime]] <<TIMESTAMP>>  [[CommentA]] <<COMMENT>> |
| 1 | Install cavity in two arm clam shell backtech fixture and visually inspect flanges for any abnormalities. | [[VisualTech1]] <<SRFCVP>>  [[Comment1]] <<COMMENT>> |
| 2 | Record Technician preforming the nitric soak acid etch. | [[AcidEtchTech]] <<SRFCVP>> |
| 3 | Place cavity in acid flow hood using backtech and rotate 90 degrees so that both the beamline FPC and FPC flanges can be submerged into a single acid container.  Using Nitric Acid, carefully submerge the beamline FPC and FPC flanges in acid container for a minimum of 20 minutes, until the indium and/or indium stains are visibly removed. | [[EtchTimeFPC]] <<FLOAT>> mins  [[IndiumVisiblyRemovedFPC]] <<YESNO>>  [[VisualTech3]] <<SRFCVP>>  [[Comment3]] <<COMMENT>> |
| 4 | Rotate the cavity 180 degrees so that the field probe beamline, HOMs, and field probe flanges can be submerged into a single acid container.  Using Nitric Acid, carefully submerge the field probe beamline, HOMs, and field probe flanges in acid container for a minimum of 20 minutes, until the indium and/or indium stains are visibly removed. | [[CavityFlipped]] <<YESNO>>  [[EtchTimeFPC]] <<FLOAT>> mins  [[IndiumVisiblyRemovedFPC]] <<YESNO>>  [[VisualTech4]] <<SRFCVP>>  [[Comment4]] <<COMMENT>> |
| 5 | Rinse entire cavity thoroughly using the DI water hose in the same acid hood.  It is important to note that someone other than the acid tech may be preparing the cavity for the ultra sonic tank.  Visually inspect flanges to ensure all indium and/or stains are removed.  Upload documents and/or photos if necessary. | [[RinseTech5]] <<SRFCVP>>  [[VisualTech5]] <<SRFCVP>>  [[Comment5]] <<COMMENT>>  [[AttachDataFile]] <<FILEUPLOAD>> |