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| Traveler Title | SNS PPU Tophat Inspection Traveler |
| Traveler Abstract | Traveler defines inspection process for the SNS PPU Tophats. |
| Traveler ID | SNSPPU-CST-INSP-TPHT |
| Traveler Revision  | - |
| Traveler Author | Matt Marchlik |
| Traveler Date | 26-Mar-20 |
| NCR Informative Emails | Marchlik, kwilson, edaly |
| NCR Dispositioners | marchlik, kwilson, edaly |
| D3 Emails |  |
| Approval Names | M. Marchlik | K. M. Wilson | A. DeKerlegand | E.F. Daly |
| Approval Signatures |  |  |  |  |
| Approval Dates |  |  |  |  |
| Approval Title | Author | Reviewer | 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. |
| 104110000-M8U-8200-A262-Rev1 (TOPHAT WELDMENT) |
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| Revision Note |  |
| - | Initial release of this Traveler. |

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| Step No. | Instructions | Data Input |
| **General handling guidelines:** The tophats contain two o-ring grooves that must be protected during handling. Care shall be taken to not drop the tophats. The tophats should be handled according to standard cleaning and handling practices. |
| 1 | **Initial Inspection:** |
| Technician NameDate of InspectionSerial Number of part | [[TechName]] <<SRF>>[[InspectionDate]] <<TIMESTAMP>>[[TPHTSN]] << TPHTSN>> |
| Is part clean, free from dust, oil, finger prints or other contaminants? | [[PartCleanOk]] <<YESNO>> |
| Visually inspect that the two o-ring grooves are smooth and free of scratches/gouges.damaged.Visually inspect the tophat for any damage. | [[SealingSurfaceOk]]<<YESNO>> |
| Comments:Upload photos of any damage. | [[VisualInspComment]] <<COMMENT>>[[VisualInspPhoto]] <<FILEUPLOAD>> |
| 2 | **Dimensional Inspection:** |
| Dimensionally inspect the tophats against the reference drawing listed above. Only tophats with serial numbers ending in 001, 014 and 028 require dimensional inspection. Record the serial numbers and calibration information for all measurement equipment used. | [[DimcheckOk]] <<YESNO>>[[DimcheckComment]] <<COMMENT>> |
| Calibration Info |
| [[Part\_CalName]] <<TEXT>>[[Part\_CalDate]] <<TIMESTAMP>>[[Part\_CalSN]] <<SN>> |
| In order to verify that the hole pattern is correct, mate up a tophat assembly to a tophat bellows assembly (104211600-M8U-8200-A051 rev-) and verify that all screws can be installed simultanesously. Use silicon bronze screws, do not use SS screws. | [[HolePatternCorrect]] <<YESNO>> |
| **Drawing Number** | **Description** | **Drawing Value** | **Measured Value** | **Within Tolerance** |
| 104110000-M8U-8200-A262 | Tophat overall height | 4.220 +/- .010” | [[MeasValue1]] <<FLOAT>> <<YESNO>> |
| 104110000-M8U-8200-A262 | Flatness of inner flange | .003” flatness | [[MeasValue1]] <<FLOAT>> <<YESNO>> |
| 104110000-M8U-8200-A262 | Parallelism of outer to inner flange | .005 parallelism | [[MeasValue1]] <<FLOAT>> <<YESNO>> |
| 3 | **Storage:** |
| Each tophat shall be re-packaged in it’s original protective packaging. | [[StorageTech]] <<SRF>>[[StorageDate]] <<TIMESTAMP>> |