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| Traveler Title | Warm Girder Install | | | |
| Traveler Abstract | Outline the install of the Girder in CEBAF Tunnel | | | |
| Traveler ID | SRFOPS-ACC-WMGRDR-INST | | | |
| Traveler Revision | R1 | | | |
| Traveler Author | G. Marble | | | |
| Traveler Date | 27-Jun-24 | | | |
| NCR Informative Emails | fhumphry, marble, ganey | | | |
| NCR Dispositioners | Ruber, drury | | | |
| D3 Emails | Fhumphry, marble, Ruber, drury | | | |
| Approval Names | G. Marble | F. Humphry | R. Ruber | M. Drury |
| Approval Signatures |  |  |  |  |
| Approval Dates |  |  |  |  |
| 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 |
| 1 | Contact vacuum group to confirm parts and girder ready for install. | [[VacGroupContacted]] <<YESNO>> |
| 2 | If necessary, contact RadCon to have the girder moved to the tunnel, otherwise transport the girder normally to the tunnel. | [[RadConRequired]] <<CHECKBOX>>  [[GRDRRAMLevel2]] <<FLOAT>>  [[GRDRTransportedToTunnel]] <<YESNO>>  [[GirderComm]] <<COMMENT>> |
| 3 | Use vacuum group installation procedures and daily checklist for installation. | [[GirderInstalled]] <<YESNO>> |
| 4 | Pump down leak check connection points.  Close all metal gate valve (manual) | [[VaccumGroupTech]] <<SRFVAC>>  [[LeakCheckGood]]<<YESNO>> |
| 5 | Activate NEG 3rd time.  Close Right angle valve immediately after activation is complete. | [[NegVacGroupTech]] <<SRFVAC>>  [[NEGActive]]<<YESNO>>  [[RightAngleValveClosed]]<<YESNO>> |
| 6 | After 30 min of cooldown from Neg activation  Slow turn-on the Ion Pump using the Reduced particle generation Ion pump turn-on procedure. Note the current and voltage of the Ion Pump. And then turn off the pump.  [CP-WMGRDR-NEG-ACTIVATION-R1](https://jlabdoc.jlab.org/docushare/dsweb/Get/Document-242956/CP-WMGRDR-VAC-IPON-R1.pdf)  Once vacuum ion pump = < 1.0e-7 Torr reopen all manual all metal gate valve | [[30minCoolDownComplete]]<<CHECKBOX>>  [[FirstSlowTurnOnCurrent]] <<FLOAT>>  [[FirstSlowTurnOnVoltage]] <<FLOAT>>  [[IPSlowTurnOnComments]] <<COMMENT>>  [[Reopened after met]] <<YESNO>> |
| 7 | Use vacuum group disconnect procedure. For removal of vacuum pump from girder. \*\*Link procedure in step | [[PumpVACTech]]<<SRFVAC>>  [[VacuumPumpRemoved]]<<YESNO>> |