

AGS MMPS LOTO Checklist

1. To install the group LOTO, perform the steps in order [2 to 20] and initial in the "Install" column when each step is completed.

To remove the group LOTO, perform the steps in reverse order [20 to 2] and initial in the "Remove" column when each step is completed.

Remove
LOTO
Initial

Install
LOTO
Initial

MMPS OPERATORS SHALL COMPLETE THE FOLLOWING:

Note:

The following will open the 52G breaker, open the new 95 switches.

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| _____ | _____ | 2. Push the STANDBY/RESET pushbutton located at Rack 5074 in new Control Room; |
| _____ | _____ | 3. Open the 89 switches manually using switches A61b11 and A61b21 in old control console LE1. |
| _____ | _____ | 4. In old Control Room at the LE1 Console simultaneously push the Exciter Kirk Lock Key Release pushbutton and turn Kirk Key at left # 11000, labeled 95 switches/filter at position G1; this will release the keys. |
| _____ | _____ | 5. Remove KIRK key # 11005, (G6 position) |

Ignore Step 6 when running on Westinghouse or 24 MW transformer

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| _____ | _____ | 6. Open 52E circuit breaker using switch A31a1 on LE1 console. |
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Warning:

MCR Operator or Operations Support (RAP) First LOTO's all * items on ATT 2.6.1.a or 2.6.1.b (AGS LOTO Checklist). Before grounding magnet bus, AGS powered backleg windings and the MMPS active filter must be LOTO. Contact RAP to verify backleg LOTO before proceeding.

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| _____ | _____ | 7. Go downstairs to Kirk Key block key exchange on the side of 89 switch II enclosure. |
| _____ | _____ | 8. Insert and turn the 11005 key in the 3 key (rightmost) exchange, release and remove two 17700 keys. |
| _____ | _____ | 9. Ensure the 89 switches are open by visually inspecting the switches through the windows in cubicles L1 & L2. |

Note:

The following will disconnect the magnets from the power supply and ground the magnet.

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| _____ | _____ | 10. Go to one side of the 95S station I & II switch cabinet and insert one 17700 key into the key switch. |
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Note:

The green pushbutton will open the 95S switches (short the magnet).
The red pushbutton will close 95S switches (remove the short).

CONTINUED ON REVERSE SIDE

AGS MMPS LOTO CHECKLIST (Cont.)

Remove
LOTO
Initial

Install
LOTO
Initial

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| _____ | _____ | 11. IF you are applying LOTO, THEN turn the 17700 key, and then press the green pushbutton. IF you are removing LOTO, THEN first press the red pushbutton and then remove the 17700 key. |
| _____ | _____ | 12. Press the black button for light and look through the glass to verify that the switch is in the down (LOTO) position. (When removing LOTO the switch should be in the up (not-LOTO) position). |
| _____ | _____ | 13. IF performing LOTO, THEN turn the 17775 key to lock the switch in place when performing LOTO. IF removing LOTO, then use the 17775 key to unlock the switch. |
| _____ | _____ | 14. Repeat steps 9 through 12 for the other switch on the other side of the 95S Station I & II switch cabinet. |
| _____ | _____ | 15. Remove both 17775 KIRK keys (one from each side of the 95S Station I & II switch cabinet) and take them to the 4 key (center) Kirk Key block key exchange on the side of the 89 switch II enclosure. |
| _____ | _____ | 16. Insert and turn both 17775 KIRK keys in the 4 key (center) Kirk Key block key exchange on the side of the 89 switch II enclosure and remove the 17703 MCR key. |
| _____ | _____ | 17. Take the 17703 MCR key from the 4 key (center) Kirk Lock block and the 18265 MCR key from the 4 key (left) Kirk key block, upstairs to the LOTO Lock Box located in the rectifier room. |

Note:
If the AGS Main Magnet are to be hipotted, then the C-A Coordinator shall bring the AGS Ring to a "Controlled Access LOTO" State and then release the 18265 key to the hipot team so they can do the hipot test. After the test is over the 18265 key must be turned to the lockout box.

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| _____ | _____ | 18. Place the 17703 & 18265 MCR KIRK key into the MMPS Lock Box. The MMPS Lock Box is located to the right of breaker panel 5071 in the rectifier room. |
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MCR OPERATORS OR OPERATIONS SUPPORT COMPLETE THE FOLLOWING:

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| _____ | _____ | 19. Verify AMMPS LOTO by performing step 12 for each 95S Switch. |
| _____ | _____ | 20. Verify that the MCR KIRK keys is in the MMPS Lock Box and then apply a safety lock and Red Tag to MMPS Lock Box. Record the appropriate information on the AGS LOTO checklist C-A-OPM-ATT. 2.6.1.a (or b). |
| _____ | _____ | 21. Capture key to the safety lock on the MMPS Lock Box in the AGS Lock Box at MCR and file this completed checklist in the MCR LOTO logbook. |

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| LOTO ON RAP Signature _____ | Date _____ |
| LOTO OFF RAP Signature _____ | Date _____ |