

**Operational Readiness Clearance
MC7 Facility (Beam tune Configuration)
12 Dec 2014**

AUTHORIZATION TO CONTINUE WITH THE REMOTE OPERATION OF
Lariat (new configuration) IN MC7

REVIEWED AND APPROVED BY:

DATE



Particle Physics Division Head
Comments/Exceptions:

12/12/14

 11291

Accelerator Division Head
Comments/Exceptions:

12/12/14



Accelerator Division Operations Department Head
Comments/Exceptions:

12/12/14



Accelerator Division Radiation Safety Officer
Comments/Exceptions:

12/12/14

 13747N

Particle Physics Senior Safety Officer
Comments/Exceptions:

12/12/14



Committee Chair
Comments/Exceptions:

12 Dec 2014

 43279N

Fermilab Test Beam Coordinator
Comments/Exceptions:

12 - DEC - 2014

Submitted By:


Requester Jason St. John

12/12/2014

Electronic approvals for this form are acceptable. Please forward your responses to all recipients. A signed paper form (copy) of this document will exist in the Particle Physics Division Office. The original signed document will stay with the experiment requesting clearance.

bellanto <bellanto@fnal.gov>

December 12, 2014 1:09 PM



To: Madelyn Wolter <maddiew@fnal.gov>

Cc: Alan A Hahn <ahahn@fnal.gov>, Brian J Rebel <brebel@fnal.gov>, "Jonathan Asaad" <jaasaadi@syr.edu>, Jason Michael St.John <jasonstjohn@gmail.com>, Michael Backfish <backfish@fnal.gov>, Eugene E Schmidt Jr <jj@fnal.gov>, Russell A Rucinski <rucinski@fnal.gov>, Angela M Aparicio <asands@fnal.gov>, Kathy J Graden <graden@fnal.gov>, Karen M Kephart <karenk@fnal.gov>, "Tug T Arkan" <arkan@fnal.gov>, Robert J Bushek <bushek@fnal.gov>, Eric D McHugh <emchugh@fnal.gov>, David Mertz <mertz@fnal.gov>, "James L. Priest" <priest@fnal.gov>, Teri L Dykhuis <dykhuis@fnal.gov>, Steve J Chappa <chappa@fnal.gov>, Gary L Lauten <glauten@fnal.gov>, Wayne A Schmitt <wschmitt@fnal.gov>

Re: MC7

We have moved the 3 empty racks. The rack with electronics has a wired smoke alarm and we decide to push it further away from the beamline until we are certain that cutting that wire doesn't cause some unanticipated side effect. We will require this last rack to be removed before the final ORC.

Thanks,

Leo

Dr. Leo Bellantoni (630)730-2155
MS 357, Fermilab Batavia, IL 60510

On Dec 12, 2014, at 12:59 PM, Madelyn Wolter <maddiew@fnal.gov>
wrote:

Hi Leo,

As Karen mentioned during the walk through, I also recommend moving the empty electronics racks to the north end of MC7 so they are out of the way for future installations. I also want to mention again that the rad fence by MC8 was moved, and should be approved of by AD Rad Safety before beam commissioning.

Thanks!

Maddie Wolter
PPD RSO
w: (630) 840-4807, MS 355
c: (574) 229-0659

From: Steve J Chappa
Sent: Friday, December 12, 2014 12:36 PM
To: Leo Bellantoni
Cc: Alan A Hahn; Brian J Rebel; Jonathan Asaad; Jason Michael St.John; Michael Backfish; Eugene E Schmidt Jr; Russell A Rucinski; Angela M Aparicio; Kathy J Graden; Karen M Kephart; Madelyn Wolter; Tug T Arkan; Robert J Bushek; Eric D McHugh; David Mertz; James L. Priest; Teri L Dykhuis
Subject: RE: MC7

Hi Dr. Leo,

I found no noticeable changes to the installations in the MC7 enclosure with the exception of the disconnection of the large quad PMT stand.

I also found no concerns with the installation as observed.

Thus, I can recommend the renewal of the ORC for the MC7 installation.

Regards,
Steve

From: Leo Bellantoni

Sent: Friday, December 12, 2014 8:23 AM

To: Alan A Hahn; Brian J Rebel; Jonathan Asaad; Jason Michael St.John; Michael Backfish; Eugene E Schmidt Jr; Russell A Rucinski; Angela M Aparicio; Kathy J Graden; Karen M Kephart; Madelyn Wolter; Tug T Arkan; Robert J Bushek; Eric D McHugh; David Mertz; Steve J Chappa; James L. Priest; Teri L Dykhuis

Subject: Re: MC7

Dear ORC members,

Let us do our walk-through for MC7 to enable beam for beam commissioning purposes at noon today - meeting in our about the MTest control room.

Thanks,
Leo

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MS 357, Fermilab Batavia, IL 60510

David Mertz <mertz@fnal.gov>

December 12, 2014 1:10 PM

To: Steve J Chappa <chappa@fnal.gov>

Cc: Leo Bellantoni <bellanto@fnal.gov>, Alan A Hahn <ahahn@fnal.gov>, Brian J Rebel <brebhel@fnal.gov>, Jonathan Asaad <jaasaadi@syr.edu>, Jason Michael St.John <jasonstjohn@gmail.com>, Michael Backfish <backfish@fnal.gov>, Eugene E Schmidt Jr <jj@fnal.gov>, Russell A Rucinski <rucinski@fnal.gov>, Angela M Aparicio <asands@fnal.gov>, Kathy J Graden <graden@fnal.gov>, Karen M Kephart <karenk@fnal.gov>, Madelyn Wolter <maddiew@fnal.gov>, Tug T Arkan <arkan@fnal.gov>, Robert J Bushek <bushek@fnal.gov>, Eric D McHugh <emchugh@fnal.gov>, "James L. Priest" <priest@fnal.gov>, Teri L Dykhuis <dykhuis@fnal.gov>

Re: MC7

Dr. Leo,

I have inspected the equipment in MC7. I have two recommendations:

First. There is a blue Ethernet cable plugged into switch S-FTBF-DAQ-MC7-1 that originates at a rack to its right that has a sideways pull on the connector. Recommend that mechanical support be provided for this cable so the connector does not make poor contact.

Second, there are new circuits installed for some filtering apparatus that run through open boxes but appear to be energized. These are circuits 1, 3, & 5 from PP-ML-M3-1A. Recommend that these open boxes be closed up or these circuits be turned off and placed under configuration control.

As these items are recommendations, not requirements, I can recommend that an ORC be issued.

David E. Mertz, P. E.
Electrical Safety Engineer & AHJ
Fermi Nat'l Accelerator Laboratory
P. O. Box 500, Batavia, IL 60510
Direct: 630.840.6322
Mobile: 630.352.7461

Sent from my PDA. Please forgive typos and abbrs.

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Karen M Kephart <karenk@fnal.gov>

December 12, 2014 1:11 PM

To: Leo Bellantoni <bellanto@fnal.gov>

Cc: Alan A Hahn <ahahn@fnal.gov>, Brian J Rebel <brebel@fnal.gov>, Jonathan Asaad <jaasaadi@syr.edu>, Jason Michael St.John <jasonstjohn@gmail.com>, Michael Backfish <backfish@fnal.gov>, Eugene E Schmidt Jr <jj@fnal.gov>, Russell A Rucinski <rucinski@fnal.gov>, Angela M Aparicio <asands@fnal.gov>, Kathy J Graden <graden@fnal.gov>, Tug T Arkan <arkan@fnal.gov>, Robert J Bushek <bushek@fnal.gov>, Eric D McHugh <emchugh@fnal.gov>, David Mertz <mertz@fnal.gov>, "James L. Priest" <priest@fnal.gov>, Teri L Dykhuis <dykhuis@fnal.gov>, Steve J Chappa <chappa@fnal.gov>, Gary L Lauten <glauten@fnal.gov>, Wayne A Schmitt <wschmitt@fnal.gov>, Madelyn Wolter <maddiew@fnal.gov>

RE: MC7

Maddie has said it all ... except that I also think housekeeping in general could be spruced up. I realize this isn't the "fault" of the facility, but beamlines (even test beam ones) shouldn't have unnecessary junk/trash lying around.

K.

Karen M Kephart
Fermi National Accelerator Laboratory
Particle Physics & Neutrino Divisions Technical Support
630-840-6625
630-485-0587
karenk@fnal.gov

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Russell A Rucinski <rucinski@fnal.gov>

December 12, 2014 12:49 PM

To: Leo Bejarano

MC7 walk thru mechanical

I walked through MC7 today and didn't see anything that concerned me. I note that the LArIAT cryogenic installation is in progress and that no cryogens or source or the cryostat are present. All the stands and beamline components for the tertiary beam look stable and were existing. I recommend positive approval of the ORC for MC7. I disclose that I am involved with the cryogenics portion of upcoming LArIAT experiment, but do not feel in conflict with reviewing the non-cryogenic portion of the contents of MC7.

Russ Rucinski

Steve J Chappa <chappa@fnal.gov>

December 12, 2014 12:36 PM

Leo Bellantoni <bellanto@fnal.gov>

Alan A Hahn <ahahn@fnal.gov>, Brian J Rebel <brebel@fnal.gov>, Jonathan Asaad <jaasaadi@syr.edu>, Jason Michael St.John <jasonstjohn@gmail.com>, Michael Backfish <backfish@fnal.gov>, Eugene E Schmidt Jr <jj@fnal.gov>, Russell A Rucinski <rucinski@fnal.gov>, Angela M Aparicio <asands@fnal.gov>, Kathy J Graden <graden@fnal.gov>, Karen M Kephart <karenk@fnal.gov>, Madelyn Wolter <maddiew@fnal.gov>, Tug T Arkan <arkan@fnal.gov>, Robert J Bushek <bushek@fnal.gov>, Eric D McHugh <emchugh@fnal.gov>, David Mertz <mertz@fnal.gov>, "James L. Priest" <priest@fnal.gov>, Teri L Dykhuis <dykhuis@fnal.gov>

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