3/7/11 Installation of MWSpec

Job Stop Limit= 118.3 mrem includes 25% contingency

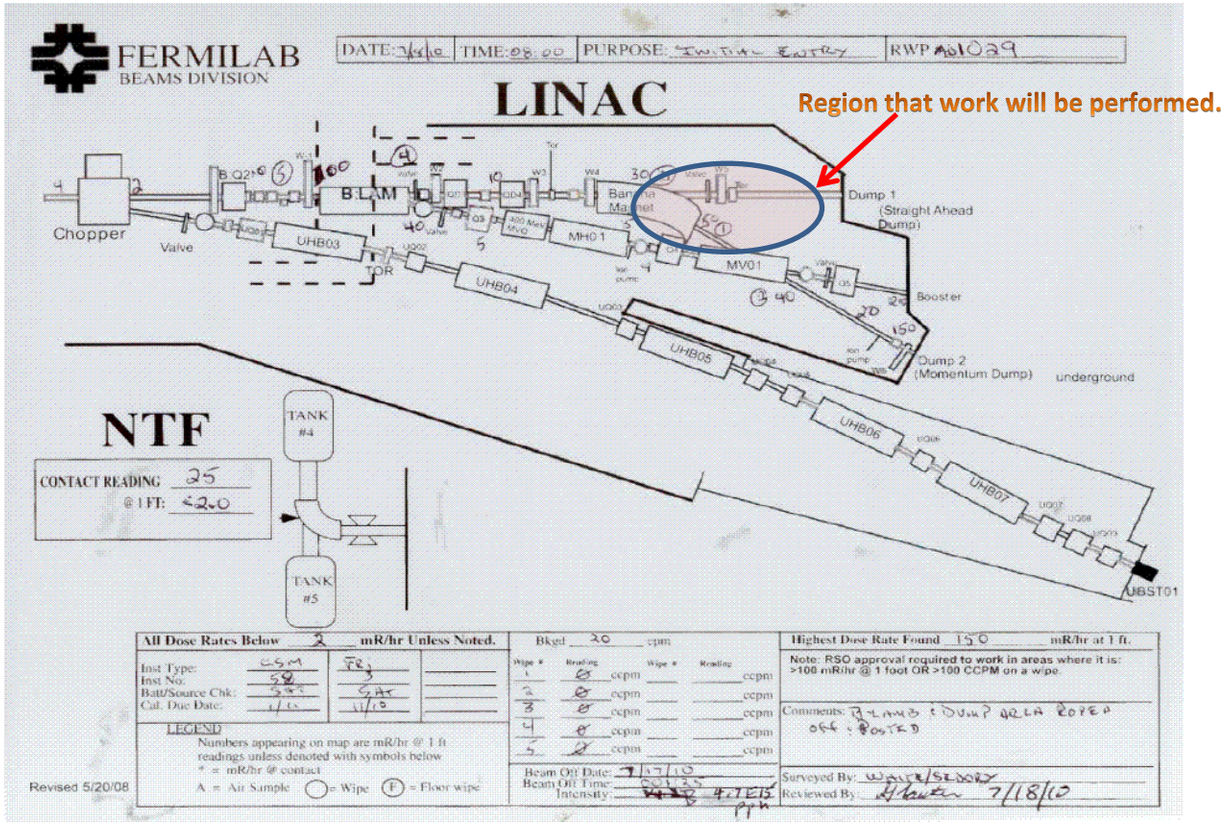
Individual checkpoint = 50 mrem

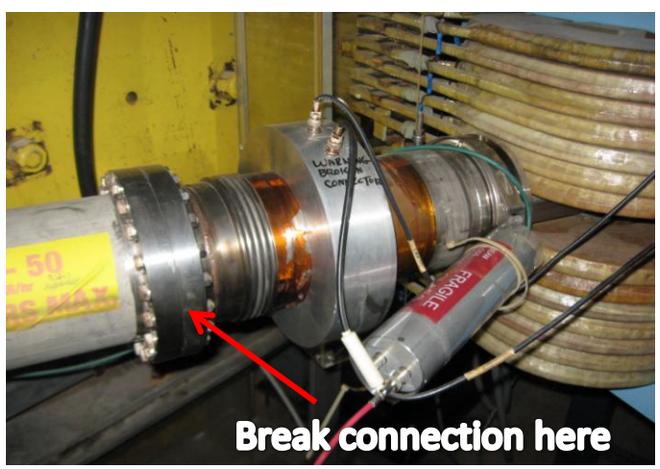
STEPS	Time (min.)	Amount of People	mr/hr	Est. Person (mr)	Actual Person (mr)	Comments
Get equipment in tunnel	10	3	1	0.5	0	MSD Group
Vent vacuum systems port by lambertson	10	1	50	8.3	0	Jason
Unbolt 6" conflat ds spectrometer magnet	5	1	50	4.2	0	Jason
Installl a support under DS beam pipe	5	2	20	3.3	0	Justin
Unbolt 6" conflat us ion pump	5	1	20	1.7	0	Jason
Position the stand and MWSPEC	10	2	25	8.3	0	Jason + 1
Clean oring grove on US flange	1	1	50	0.8	0	Jason
Make up US connection	15	1	50	12.5	0	Jason
Anchor MWSPEC stand on the floor	10	2	10	3.3	0	Jason + Justin
Alignment	60	2	25	25.0	0	Alignment-Metrology Group
Dry-fit spool piece	1	2	15	0.5	0	Ben + Reilly
Clean conflat grove in DS flange	1	1	15	0.3	0	Justin
Install/connect 6" conflat spool piece (US and D	15	2	10	5.0	0	Jason+Justin
Terminate cables (by the wall)	30	2	5	5.0		Instrumentation Group
Connect Electrical	5	1	25	2.1	0	Instrumentation Group
Connect leak detector (DS lambertson)	2	2	50	3.3	0	Jason
Pump out and leak check	20	1	25	8.3	0	Ben + Justin
Remove leak detector connection (DS lamb)	2	1	50	1.7	0	Jason
Remove equipment from tunnel	10	3	1	0.5	0	MSD Group
		MSD	**TOTAL**	**62.6**	**0.0**	
		Inst. Group	TOTAL	7.1	0.0	
		AMG	TOTAL	25.0	0.0	

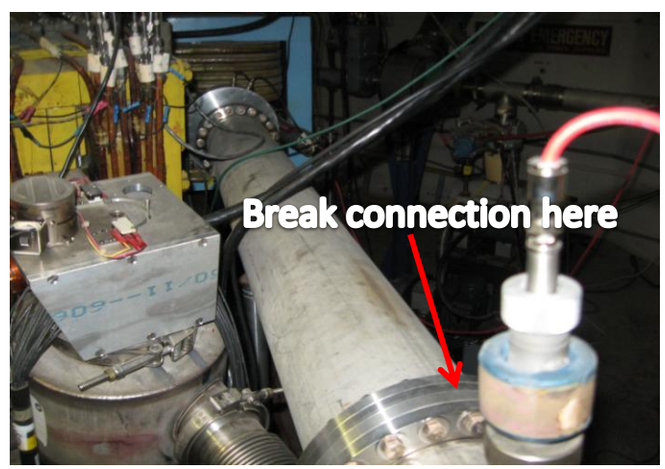
Individual doses

Ben Ogert	0
Jason Kubinski	0
Justin Briney	0
Rob Reilly	0
Joel Fulgham	0
AMG	0
Instrumentation Group	0
Fernanda	0
Total	0

Obs.


FERMILAB
BEAMS DIVISION
DATE: 7/18/10
TIME: 08:00
PURPOSE: INITIAL ENTRY
RWP A01029
LINAC
Region that work will be performed.
Chopper
Valve
B:Q2
B:LAM
UHB03
TOR
UHB04
MH01
MV01
Dump 1
(Straight Ahead Dump)
Booster
UHB05
Dump 2
(Momentum Dump)
underground
UHB06
UHB07
UBST01
NTF
TANK #4
TANK #5
CONTACT READING 25
@ 1 FT: <2.0
All Dose Rates Below 2 mR/hr Unless Noted.
Bkgd 20 cpm
Highest Dose Rate Found 150 mR/hr at 1 ft.
Note: RSO approval required to work in areas where it is: >100 mR/hr @ 1 foot OR >100 CCPM on a wipe.
Inst Type: CSM
Inst No: 58
Batt/Source Chk: SAT
Cal. Due Date: 11/10
LEGEND
Numbers appearing on map are mR/hr @ 1 ft
readings unless denoted with symbols below
* = mR/hr @ contact
A = Air Sample
= Wipe
F = Floor wipe
Beam Off Date: 7/17/10
Beam Off Time: 00:25
Intensity: 4.7E15 ppm
Surveyed By: WHITE/SEDORY
Reviewed By: 7/18/10
Revised 5/20/08


Break connection here


Break connection here