Official copies of these procedures are maintained at this website. Before using a printed copy, verify that it is the most current version by checking the document issue date on this website. Signed copies of these official procedures are maintained at the Training Office.

C-A OPERATIONS PROCEDURES MANUAL

ATTACHMENT

4.1.b Primary Beam Accessibility Matrix

C-A-OPM Procedure in which this Attachment is used		
4.1		

Hand Processed Changes

HPC No.	Date	Page Nos.	Initials

Approved: _____Signature On File_____ _____
Collider-Accelerator Department Chairman Date

P. Ingrassia

Primary Beam Accessibility Matrix

PRIMARY BEAM ENCLOSURE	ACCESSIBILITY Proton Operations	ACCESSIBILITY Heavy Ion Operations
Linac[1] Tunnel	Tank 1 Beam Stop Closed & TTB Beam Stop	Tank 1 Beam Stop Closed
TTB[2] Crossover	Tank 1 Beam Stop Closed & TTB Beam Stop	TTB Beam Stop Closed & Tank 1 Beam Stop
Booster	LTB & TTB Beam Stop Closed	LTB & TTB Beam Stop Closed
Roof bldg 914 (hi rad area)	LTB & TTB Beam Stop Closed	LTB & TTB Beam Stop Closed
AGS	BF6 & BTA DH2-3 safely off	BF6 & BTA DH2-3 safely off
Switchyard	BF6 & BTA DH2-3 safely off	BF6 & BTA DH2-3 safely off
SEB A Target	BF6 & BTA DH2-3 safely off	BF6 & BTA DH2-3 safely off
SEB A1 Pri	A (AD5-8,AD4&9) safely off	A (AD5-8,AD4&9) safely off
SEB A2 Pri	A (AD5-8,AD4&9) safely off	A (AD5-8,AD4&9) safely off
SEB B Target	BF6 & BTA DH 2-3 Safely off	BF6 & BTA DH 2-3 Safely off
SEB B2 Pri	B (BD5-8) safely off	B (BD5-8) safely off
SEB C Target	C&B (CD4,CC1,BD5-8)safely off	C&B (CD4,CC1,BD5-8)safely off
LESB III North	C&B (CD4,CC1,BD5-8)safely off	C&B (CD4,CC1,BD5-8)safely off
LESB III South	C&B (CD4,CC1,BD5-8)safely off	C&B (CD4,CC1,BD5-8)safely off
SEB C3 Target	C&B (CD4, CC1, BD5-8) safely off	C&B (CD4, CC1, BD5-8) safely off
SEB D Target	D (DD8&9, DD10&11) safely off	D (DD8&9, DD10&11) safely off
D6 Separator1	D (DD8&9, DD10&11) safely off	D (DD8&9, DD10&11) safely off
D6 Separator2	D (DD8&9, DD10&11) safely off	D (DD8&9, DD10&11) safely off
Uup and V target	BF6 & BTA DH2-3 Safely off	BF6 & BTA DH2-3 Safely off
Udwn and V1_blckhse	SMH10, psuarc4 (UD1&2)	SMH10, psuarc4 (UD1&2)
V1 secondary V1D6pit	VD1, VD2	VD1, VD2
W Line	psuarc8 (UD3-6) psuarc4 (UD1&2)	psuarc8 (UD3-6) psuarc4 (UD1&2)
X,Y Lines	SWM, psuarc20 (WD1-8), RHIC Beam Stops (Y&B)	SWM, psuarc20 (WD1-8), RHIC Beam Stops (Y&B)
RHIC RF (4Z1)	G1BS & G2BS (Beam Stops) RF1 & RF2 (Anode Power Supplies) SWM (Switching Magnet) psarc X psarc Y (X & Y arcs)	G1BS & G2BS (Beam Stops) RF1 & RF2 (Anode Power Supplies) SWM (Switching Magnet) psarc X psarc Y (X & Y arcs)
RHIC Ring (not including 4Z1)	G1BS & G2BS (Beam Stops) SWM (Switching Magnet) psarc X psarc Y (X & Y arcs)	G1BS & G2BS (Beam Stops) SWM (Switching Magnet) psarc X psarc Y (X & Y arcs)

[1] From Tank 1 Gate to AGS HEBT Gate
[2] From Linac HEBT Gate to N322 Gate