Radiological Safety

This section to be complete	7, RP Field Operations Grou d by RP if the penetration will be within lerator housing. Please allow two days.		lled area, radioactive materials
Pre-work survey require	d Radiological HEPA vacuum cl	eaner required	
Additional requirements	for this penetration:	No. of Parties	SUBSTITUTE OF STREET
Penetration does not no	eed special requirements		
Checked by:	Date:		*
Grand Control	The second section of the section		
Any deviation from the	al, and Authorization ne scope of work identified on thi		re-validation of this
Any deviation from the permit. This penetrate	ne scope of work identified on the tion permit expires 30 days after		re-validation of this
Any deviation from the permit. This penetrate Class 1 & 2 Author	ne scope of work identified on the ion permit expires 30 days after orizations hazards and controls with the w	issuance.	
Any deviation from the permit. This penetrate Class 1 & 2 Author I have discussed the	ne scope of work identified on the ion permit expires 30 days after orizations hazards and controls with the w	issuance.	
Any deviation from the permit. This penetrate Class 1 & 2 Author I have discussed the trained/qualified to permit the permit of	ne scope of work identified on the ion permit expires 30 days after orizations hazards and controls with the w	issuance.	d that they are

enetration Safety: Penetration Permit

Hazards and Required Controls

May reference JHAM or AHA if hazards/controls are documented there

Hazards

Type and size of energy sources present (including results from NDT, if used):

Hazards specific to the tools that will be used:

Work environment hazards (such as moisture, lead, asbestos, etc.):

Other hazards:

Controls

Types and classification of PPE:

Other controls:

Complete the "Radiological Safety" section if appropriate, and complete the Review, Approval, and Authorization section at the end of this form.

Class 2 Penetration Checklist

Greater than 2 inches into solid material

	Yes	N/A
Reviewed historical records, engineering plans, and drawings?	/	
Area responsible person/designee, customer/requester, or other personnel consulted?	Z	
Visually inspected proposed location of penetration?		
Checked other side of walls, under floors, or through false ceilings for hazards?		
De-energized and locked/tagged-out energy sources as required?		
NDT used to determine if additional hazards exist?		
If yes, list results under "Hazards."		
NDT used to determine wall reinforcement?		
Electrical tools equipped with GFCI or double-insulated?		
GFCIs tested?		
Appropriate PPE specified (see page 3) and obtained?		
PPE inspection(s) up to date?		
Short drill bits used or equipment marked to limit penetration depth?		
Penetration is within a radiologically controlled area or a radioactive material management area. If yes, complete the "Radiological Safety," section of the form.		
Penetration is part of accelerator shielding (for example: the Accelerator Housing Structure, End Station A Hall, Klystron Gallery Floor)? If yes, complete the "Radiological Safety" section of the form.		
A Radiation Safety Work Control Form (RSWCF) is required for all penetrations that meet any of the following conditions (contact the area safety officer for more information):		Ī
Into or through non-concrete radiation shielding	*1.6700	
 Into concreté radiation shielding, with penetration exceeding 2 inches in diam 	neter	
 Into concrete radiation shielding, with penetration exceeding 6 inches deep Into concrete radiation shielding where penetration is not re-filled with a dens 		1-11-
concrete or steel)	emater	iai (e.g.
All the way through concrete radiation shielding	1	
Liver and the second	1	
Checklist completed by: Date: _	- 30	\

Complete "Hazards and Required Controls" section.

Area/location	Date(s) work will be performed	Job description (location of penetration, material to be penetrated, tools, etc)	
Seet 10 Alignment Lab	3-31-09	Set 3/8" anchors in Concrete floor	
Responsible line manager or designee Name/Organization)	Phone #	Other information (e.g., depth of penetration, etc)	
Brendan Dix	X 8783	42"	

Class 1 Penetration Checklist

Hollow walls, ceilings or floors, or 2 inches or less into solid material

THE PRODUCTION OF THE PARTY OF	Yes	N/A
Checked other side of walls, under floors, or through false ceilings for hazards?	V	_
Verified stud locations?		
Non-conductive tools to be used?	_	
Masonry bits and hand tools to be used for initial penetration?		
Drill bit stops or short drill bits (2 inches or less) to be used for solid material?	-	
Electrical tools equipped with GFCIs or double insulated?	_	
GFCIs tested?	u	
Appropriate PPE specified (see page 3) and obtained?		_
PPE inspection(s) up to date?		
Penetration is within a radiologically controlled area or a radioactive material management area? If yes, complete the "Radiation Safety" portion of the form.		
Penetration is part of accelerator shielding (for example: the Accelerator Housing Structure, End Station A Hall, Klystron Gallery Floor)? If yes, complete the 'Radiological Safety'' section of the form.	E CONT	U
A Radiation Safety Work Control Form (RSWCF) is required for all		
penetrations that meet any of the following conditions (contact the		11
area safety officer for more information):		
 Into or through non-concrete radiation shielding Into concrete radiation shielding, with penetration exceeding 2 inches in dian 	eter	
Into concrete radiation shielding, with penetration exceeding 6 inches deep		
 Into concrete radiation shielding where penetration is not re-filled with a dens concrete or steel) 	e mate	rial (e.g.
All the way through concrete radiation shielding		
- I - Lold	3-7	0-00
Checklist completed by: tans twite M Date:	2/	

Complete "Hazards and Required Controls" section.