	Radiation Safety NAPG-SAF-SPI-0030		Revision	
	Report No (DM#): 1429864	# 00	Date 2020-07-22	
			Review 1 year	
NORTH ATLANTIC PROJECTS GROUP				

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ISSUE/REVISION INDEX

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Issue Codes: RC = Released for Execution, RD = Released for Design, RF = Released for Fabrication, RI = Released for Information, RP = Released for Purchase, RPA = Released for Permit Application, RQ = Released for Quotation, RR = Released for Review and Comments.



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1.0 PURPOSE & SCOPE

This procedure does not apply to fixed radiation sources on site. Should a NAPG Project require such devices, the Procurement, handling installation process etc. will be defined with input from the Vale Radiation authority. The purpose of this document is to cover temporary radiation source equipment which is brought onto site for the maximum of one shift for inspection purposes, quality of welds, etc.

The scope of this instruction is to establish the minimum requirements, measures and actions to be taken for the NAPG in terms of work practices that may involve the use of temporary equipment which may emit radiation.

If there are any deviations from the requirements of this procedure the work method / risk assessment must identify the deviation and the subsequent control measures to manage the risk.

2.0 INSTRUCTIONS

2.1 Training

All personnel on site that are required to handle work with radioactive sources/equipment are to provide applicable training records/certifications to the NAPG HSE Department prior to beginning such activities or bringing equipment to site.


2.2 Barricades/Warnings

All areas where radiography is being performed shall be barricaded with ropes and signs. Barricade ropes shall be suspended in a manner that will provide a physical barrier to personnel entering the area.

Signs shall be placed on rope barricades no further than 3m (9.84 feet) intervals and at all access/egress points such as doors, stairs, etc. Unless accompanied by a radiographer, access into barricaded areas by unqualified personnel will be prohibited.

Whenever reasonable to do so, radiography shall be done outside normal work hours and/or preferably during break times. When it is necessary to do radiography during regular work hours, or when personnel are present in the work areas, the following shall apply:

- a) Personnel (spotters/guards) shall be posted at perimeter barricades to decrease the possibility of unauthorized personnel from entering.
- b) Portable red flashing lights shall be placed at perimeter in addition to signs in areas of poor visibility.

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2.3 Installation and Storage

Radioactive sources must be stored in accordance with Canadian Standards, OSHA or regulations. As a minimum, storage must be in a locked container that identifies:

- a) The presence of a radioactive source; and
- b) Authorized personnel **only** beyond this point.

The licensed user is to remove from Vale property any temporary radiation equipment at the end of each shift.


2.4 Contractor General Requirements

All contractors using radioactive sources shall submit the following information to the NAPG Project HSE department for pre-approval:

- a) Scope of Work including location and schedule of work;
- b) A PMRA & JHA risk assessment and mitigation plan for the work, to include a communication plan used to notify those in the surrounding parts of the project or plant;
- c) A list of types of sources to be used on site;
- d) Copies of relevant licensing;
- e) Authorized personnel/handlers of said materials;
- f) Training/certification records for authorized personnel;
- g) Contact personnel, including alternates, and their phone numbers;
- h) MSDS Information
- i) An emergency plan that includes:
 - i. Key components of the risk mitigation, referred to above;
 - ii. Emergency number for government agencies and contractors contact information; and
 - iii. Retrieval procedure for sources and damaged equipment.

3.0 ATTACHMENTS

NONE

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4.0 REFERENCES

NAPG-SAF-SPI-0005	NAPG H&S Plan
NAPG-SAF-SPI-0002	Emergency preparedness guideline
NAPG-RA-SPI-0001	JHA procedure
NAPG-RA-SPI-0002	PMRA procedure
NAPG-RA-SPI-0003	FLHA procedure
NAPG-SAF-FRM-0011	permit to work form

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