

## Confined Space Isolation Variant

Confined spaces must be isolated as per HSEE-03-17 Confined Spaces. During rare occasions when the equipment and/or process cannot meet the isolation requirements an isolation variant must be requested. The variant request must establish how an equivalent level of protection will be provided. Approval may be granted providing safety is not compromised and a long-term solution will be developed.

### SECTION 1 – CURRENT SITUATION

Attach [Confined Space Hazard Assessment](#); [Isolation Assessment](#); PID(s), drawings and, or pictures; FMECA (see 1.4)

1.1 Confined space to be isolated:

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1.2 Reason(s) why the confined space cannot be isolated as per HSEE-03-17  
(number each one and ensure each one is answered for in all following questions)

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1.3 What hazards may be present due to the variant in isolation and how will these hazards be controlled?

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1.4 Engineer/Technical must document the methodology used to determine acceptability of the proposed mitigations using a Failure Modes, Effects and Criticality Analysis (FMECA), which must be attached to this package (Appendix A). The FMECA must be supported by robust Data Collection; Design Review; and Condition, Maintenance & Leakage Assessments. The FMECA will establish if additional controls are needed and how they will be verified and monitored.

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1.5 Anticipated frequency this variant will be used if approved? (i.e. x times/yr)

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1.6 If approved, who will notify TH&S prior to each use of this variant?

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## Confined Space Isolation Variant

### SECTION 2 – LONG-TERM FIX/PLAN

2.1 For each isolation gap identified in 1.2, describe how the equipment / process will be modified to allow future isolations align with HSEE-03-17?

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2.2 For each isolation gap identified in 1.2, describe when the long-term solution is expected to be completed?

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2.3 Who is responsible for each long-term solution (name and role)?

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### SECTION 3 – REVIEWS AND APPROVALS

#### 1. Site Review/Approvals:

##### Asset Owner Variant Request Approval

Print Name:	_____	Signature:	_____
Title:	_____	Date:	_____

##### Technical/Engineer Variant Request Approval:

Print Name:	_____	Signature:	_____
Title:	_____	Date:	_____

##### Site/Division Safety Rep or JHSC Variant Request Review:

Print Name:	_____	Signature:	_____
Title:	_____	Date:	_____

#### 2. Total Health and Safety Variant Request Review:

Print Name:	_____	Signature:	_____
Title:	_____	Date:	_____

**Notes / Conditions:** \_\_\_\_\_

#### 3. Leadership Approvals - Plant Manager Variant Request Approval:

Print Name:	_____	Signature:	_____
Title:	_____	Date:	_____

**Note:** A variant is required when deviating from normal safety procedures or when safety procedures do not meet the need of the job or other special circumstances. **TH&S must be notified each time before use.**



**Energie NB Power**

Form #: HS09

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## Confined Space Isolation Variant

### Appendix A: FMECA Template:



Failure%20Mode%20  
Analysis.docx