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| ***Unique Identifier*** | Permit No.: | Isolation Certificate No.: | Other Reference:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

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| **General Information** | | |
| Work Description: |  | |
| Location: |  | SIMOPS |
| Equipment: |  | Are SIMOPS likely to occur?  Yes  No |
| *(If YES, a SIMOPS plan must be agreed as per  local Simultaneous Operations Procedure)* |

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| Preparation (attach any supporting procedures) | | | |
| **Confirm** | **Action** | | |
|  | Equipment shutdown procedure defined, if necessary. | | |
|  | Break point list defined, if necessary to support re-instatement checks. | | |
|  | Inventory removal method defined (attach any supporting document): | | |
| None required | Drain | Blow-down / Depressurize |
|  | Purge / Flush1 | Additional Cleaning (e.g. Steam, Chemical, Neutralizing) |
| 1 - Where the volume within the isolation boundary is greater than 1.5ft3/ 0.042m3 and there is likely to be residual combustible gas, consider on a risk basis the need to gas free the volume before breaking containment (see table for examples of the volume for common pipe diameters).   |  |  | | --- | --- | | Pipe Diameter | Threshold | | 2-in / 5.1-cm | Pipe length 65-ft / 19.8-m or more | | 6-in / 15.2-cm | Pipe length 8-ft / 2.4-m or more | | 12-in / 30.5-cm | Pipe length 2-ft / 0.6-m or more | | Vessel | > 1.5ft3/ 0.042m3 equivalent to 10 gallons / 43 liters | | | |
|  | Electrical grounding/discharge established (to support inventory removal), if necessary. | | |
|  | Gas testing equipment, and periodic recording of the same on the Gas Test Log, established. | | |
|  | Secondary containment available, if necessary. **Specify** \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | | |
|  | Spill kit/equipment available, if necessary. **Specify** \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | | |
|  | Special PPE, if necessary. **Specify** \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | | |
|  | Fire-fighting equipment, if necessary. **Specify** \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | | |
|  | Emergency shutdown plan established. | | |
|  | Specialist personnel/skills defined, if needed (e.g., asbestos certified). **Specify** \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | | |
| \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | | |
|  | Critical residual energy hazards and controls defined in JRA (e.g., torque/spring in pipe, pyrophoric scale, liquid hold-up). | | |

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| Reinstatement Plan | | |
| **Points to consider:** | * Safety devices returned to service before introducing pressure * All break points made up and leak checked (non-destructive tested, if required) * Air freeing or liquid levels established | * Isolation points removed in specific sequence (as per Isolation Certificate) * Documented procedure available for start-up * Post start-up monitoring |
| Develop reinstatement plan: | | |
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| U:\Warning Icon\Warning_Icon.png | If at any time during the breaking of containment task, conditions change so that they are not  within the allowances of this certificate, the job MUST be stopped, and permit suspended  until the area is re-evaluated by the Permit Issuer. |