PURGING/GAS FREEING/INERTING CHECKLIST

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| Vessel: |  |  | Date: |  |
| Position: |  |  | Time: |  |
| Voyage No: |  |  |  |  |

| General Precautions Applicable to all Operations | | Tick ( √ ) |
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| 1. | Conduct planning meeting and agree on reason/s for this Purging/Gas Freeing/Inerting operation. |  |
| 2. | Ship staff and shore side notified of operation. |  |
| 3. | Funnel has been checked to confirm that there are no sparks. |  |
| 4. | Gas meters ready for use and calibration confirmed. |  |
| 5. | Relative wind direction has been considered. Intake of the central air conditioning or mechanical ventilating system has been adjusted to prevent the entry of gas. |  |
| 6. | Ensure pump room fans do not draw fumes from deck. |  |
| 7. | Entire IG system operational and ready (deck seal, PV breaker). |  |
| 8. | Portable fans / trunking with tripping lines have been prepared. |  |
| 9. | Cargo tanks / lines have been washed and stripped as required. |  |
| 10. | All I.G branch valves are opened and locked. |  |
| 11. | All other cargo tanks to be maintained at a minimum positive pressure. |  |
| 12. | All doors to accommodation closed. |  |
| 13. | A risk assessment - Job Hazard & Risk Analysis (JHA) Guideline shall be performed prior to occasions when staff may be exposed to H2S (eg. handling cargo containing H2S.) |  |

| Purging Operations | | Tick ( √ ) |
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| 1. | Purge caps open. |  |
| 2. | Content of oxygen in the supplied inert gas under 5%. |  |
| 3. | On completion of purging the tank’s atmosphere hydrocarbon levels are less than 2% by volume or any toxic gases present in the tank have been removed as applicable (e.g. H2S or Mercaptens) |  |

| Gas Freeing Operations | | Tick ( √ ) |
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| 1. | Portable Fans should be connected to the deck with an effective electrical bond between fan and deck |  |
| 2. | Less then 2% of hydrocarbons by volume in the tank atmosphere on commencement. |  |
| 3. | The atmosphere checked for H2S when required. |  |
| 4. | Tank isolated from IG system (if applicable). |  |
| 5. | All openings on deck secured and made safe for ship’s staff. |  |
| 6. | On completion not more than 1% LEL and 21% oxygen in the tank’s atmosphere. |  |

| Inerting Operations | | Tick ( √ ) |
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| 1. | Inert gas with less than 5% of oxygen content. |  |
| 2. | Purge caps open. |  |
| 3. | On completion positive pressure in the tank and less than 8% oxygen by volume. |  |

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| Officer: |  |  | Master: |  |
| Signature: |  |  | Signature: |  |