# Exercise Evaluation Guide

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| *Exercise Name:* {Insert}  *Exercise Date:* {Insert} | *Organization/Jurisdiction:*  {Insert} | *Venue:*  {Insert} |
| **Response** | | |
| *Core Capability:* **Environmental Response/Health and Safety**  Ensure the availability of guidance and resources to address all hazards including hazardous materials, acts of terrorism, and natural disasters in support of the responder operations and the affected communities. | | |
| *Exercise Objective 2:* Examine the use of Hazmat mitigation techniques and actions during a hazmat spill incident in accordance with {Insert Locality} Hazmat Plans. | | |
| **Organizational Capability Target: Proper application and use of the Chlorine Institute (CI) Emergency Kit “C” on the Pressure Relief Device.**   * *Critical Task:* Trained personnel equipped with suitable personal protective equipment should investigate promptly. **C-Kit Instruction booklet, pg. 3** * *Critical Task:* The location of a leak in a chlorine containing system detected by use ammonia vapor **(Exercise Only: Soapy Water Solution in a squeeze bottle).** **C-Kit Instruction booklet, pg. 3** * *Critical Task:* Install pressure gauge, preferably on the vapor valve, to verify the car is not liquid full or under high pressure.A pressure reading should be taken to ensure the tank is not liquid full. **C-Kit Instruction booklet, pg. 18** * *Critical Task:* Remove outlet cap from VENT VALVE 24 on HOOD 24A1 and open VENT VALVE 24V*.* **C-Kit Instruction booklet, pg. 18** * *Critical Task:* Clean manway cover. Use PAINT SCRAPER C-2 if paint is loose or uneven. **C-Kit Instruction booklet, pg. 18** * *Critical Task:* Place GASKET 24BMV on HOOD 24A1. **C-Kit Instruction booklet, pg. 18** * *Critical Task:* Place HOOD 24A1 with GASKET 24BMV over pressure relief device.   + NOTE: The design of some tell-tale valves are such that an outlet screw plug may be installed on the side and interfere with application of the HOOD 24A1 (see Figure 7.2).   + There are two options to resolve this interference prior to installing the HOOD 24A 1     - (1) Rotate the tell-tale valve toward the pressure relief device until the screw plug does not interfere with application (see Figure 7.3)     - (2) Unscrew and remove the screw plug*.* **C-Kit Instruction booklet, pg. 18** * *Critical Task:* Place YOKE ASSEMBLY 11A hooks into port openings of protective housing. **C-Kit Instruction booklet, pg. 18** * *Critical Task:* Center SCREW 11C over HOOD 24A1, tighten SCREW 11C forcing HOOD 24A1 And GASKET 24BMV against manway cover. Tighten 4 SCREWS 11E alternately in BLOCK 11B using WRENCH 200C forcing HOOD 24A1 and GASKET 24BMV against manway. Retightening 11C will loosen the 4 remaining screws on BLOCK 11B. **C-Kit Instruction booklet, pg. 18** * *Critical Task:* Close VENT VALVE 24V on HOOD 24A1 using WRENCH 200C. Replace VENT VALVE 24V outlet cap. **C-Kit Instruction booklet, pg. 18** * *Critical Task:* Test for leaks immediately after installation and at regular intervals if the capping is to be kept in place for an extended period. **C-Kit Instruction booklet, pg. 18**   **Source(s):**   * **CHLORINE INSTITUTE EMERGENCY KIT “C” FOR CHLORINE TANK CARS & TANK TRUCKS Instruction Booklet, Edition 10 Revision 1, January 2017** | | |

| **Organizational Capability Target** | **Associated Critical Tasks** | **Observation Notes and**  **Explanation of Rating** | **Target Rating** |
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| **Sample** | Sample | **Strength/s:** *A strength is an observed action, behavior, procedure, and/or practice that is worthy of recognition and special notice.*  **Area/s for Improvement:** *Areas for improvement are those areas in which the evaluator observed that a necessary task was not performed or that a task was performed with notable problems.*  **Root-Cause Analysis:** *When completing the analysis, evaluators should consider the following:*   * *Observations: What happened?* * *Were the capability targets met? If the targets were not met, what factors contributed to this result?* * *Did discussion or activities suggest the critical tasks were executed to meet capability targets? If not, what were the impacts or consequences?* * *Do current plans, policies, and procedures support critical tasks and capability targets? Were participants familiar with these documents?* * *Suggested corrective action/s.* |  |
| **Proper application and use of the Chlorine Institute (CI) Emergency Kit “C” on the Pressure Relief Device.** | Trained personnel equipped with suitable personal protective equipment should investigate promptly. |  |  |
| The location of a leak in a chlorine containing system detected by use ammonia vapor **(Exercise Only: Soapy Water Solution in a squeeze bottle).** |  |  |
| Install pressure gauge, preferably on the vapor valve, to verify the car is not liquid full or under high pressure.A pressure reading should be taken to ensure the tank is not liquid full. |  |  |
| Remove outlet cap from VENT VALVE 24 on HOOD 24A1 and open VENT VALVE 24V |  |  |
| Clean manway cover. Use PAINT SCRAPER C-2 if paint is loose or uneven |  |  |
| Place GASKET 24BMV on HOOD 24A1. |  |  |
| Place HOOD 24A1 with GASKET 24BMV over pressure relief device. |  |  |
| Place YOKE ASSEMBLY 11A hooks into port openings of protective housing |  |  |
| Center SCREW 11C over HOOD 24A1, tighten SCREW 11C forcing HOOD 24A1 And GASKET 24BMV against manway cover. Tighten 4 SCREWS 11E alternately in BLOCK 11B using WRENCH 200C forcing HOOD 24A1 and GASKET 24BMV against manway. Retightening 11C will loosen the 4 remaining screws on BLOCK 11B. |  |  |
| Close VENT VALVE 24V on HOOD 24A1 using WRENCH 200C. Replace VENT VALVE 24V outlet cap. |  |  |
| Test for leaks immediately after installation and at regular intervals if the capping is to be kept in place for an extended period. |  |  |
|  |  | **Final Core Capability Rating** |  |

Evaluator Name

Evaluator E-mail

Phone

## Ratings Definitions

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| **Performed without Challenges (P)** | The targets and critical tasks associated with the core capability were completed in a manner that achieved the objective(s) and did not negatively impact the performance of other activities. Performance of this activity did not contribute to additional health and/or safety risks for the public or for emergency workers, and it was conducted in accordance with applicable plans, policies, procedures, regulations, and laws. |
| **Performed with Some Challenges (S)** | The targets and critical tasks associated with the core capability were completed in a manner that achieved the objective(s) and did not negatively impact the performance of other activities. Performance of this activity did not contribute to additional health and/or safety risks for the public or for emergency workers, and it was conducted in accordance with applicable plans, policies, procedures, regulations, and laws. However, opportunities to enhance effectiveness and/or efficiency were identified. |
| **Performed with Major Challenges (M)** | The targets and critical tasks associated with the core capability were completed in a manner that achieved the objective(s), but some or all of the following were observed: demonstrated performance had a negative impact on the performance of other activities; contributed to additional health and/or safety risks for the public or for emergency workers; and/or was not conducted in accordance with applicable plans, policies, procedures, regulations, and laws. |
| **Unable to be Performed (U)** | The targets and critical tasks associated with the core capability were not performed in a manner that achieved the objective(s). |