Change history (≤ last 5 Rev-Mods)

<table>
<thead>
<tr>
<th>Rev-Mod</th>
<th>Release Date</th>
<th>Justification</th>
<th>Summary of Changes</th>
</tr>
</thead>
<tbody>
<tr>
<td>C-2</td>
<td>01/16/2018</td>
<td>Inconsequential change generated from a Periodic Review.</td>
<td>Update records section to meet current writers standards</td>
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<tr>
<td>C-1</td>
<td>06/08/2016</td>
<td>Address Environmental Signature/Time issues for WRPS-PER-2016-0490.</td>
<td>Added Signature/Time to the table in step 5.3.2.</td>
</tr>
<tr>
<td>C-0</td>
<td>03/17/2015</td>
<td>Periodic Review</td>
<td>Struck Step 2.1, Steps 3.1.1 – 3.1.3, 5.2.4, Warning &amp; Critical Steps at pages 6, 8, 9. Reworded Sections 1.2, 3.3 &amp; 5.7, Steps 5.1.12, 5.2.1.1, 5.2.3, 5.2.4, 5.2.30, 5.3.1, 5.6.2. Added (RPP-16922) at Section 5.1. Add Note prior to Section 5.1 &amp; Step 5.2.2. Step 5.2.2, and Figure 1.</td>
</tr>
<tr>
<td>B-4</td>
<td>11/18/2014</td>
<td>CHAMPS Removal</td>
<td>Changed MSDS reference to add GHS-SDS and/or</td>
</tr>
<tr>
<td>B-3</td>
<td>05/31/2013</td>
<td>WRPS-PER-2012-1587</td>
<td>Removed reference to CHAMPS, updated records statements and removed next periodic review date.</td>
</tr>
</tbody>
</table>
5.5 Acceptance Criteria ........................................................................................................ 10
5.6 Review .................................................................................................................................. 10
5.7 Records .................................................................................................................................. 10

Figure 1 – ENCON Gravity-Fed Portable Eye Wash Station .................................................. 11
1.0 PURPOSE AND SCOPE

1.1 Purpose

This is a procedure to perform inspection and maintenance on 14-gallon Gravity-Fed Portable Eye Wash Stations to acknowledge the recommendations identified in TFC-ESHQ-S-STD-19.

1.2 Scope

This procedure applies to Weekly, Semi-Annual and Annual Inspections, maintenance and testing of wall-mounted, 14-gallon Gravity-Fed Portable Eye Wash Stations (Model #01104050); and follows the requirements set down in ANSI Z358.1.

2.0 INFORMATION

NONE

3.0 PRECAUTIONS AND LIMITATIONS

3.1 Personnel Safety

3.1.1 When 14-gallon units are filled to the 15-minute flow line, they weigh in excess of 120 pounds (55 kilograms). Failure to exercise caution (e.g., hand-cart or other help) when replacing these units may result in personnel injury.

3.1.2 Bleach may harm personnel when it comes into contact with skin or eyes.

3.1.3 Eyes may become irritated if they come in contact with a concentrated form of Hydrosep.

3.2 Radiation and Contamination Control

This procedure is not to be performed within a Radiological Contamination Area, High Radiation Area, Airborne Radioactivity Area, or Soil Contamination Area.

3.3 Environmental Compliance

In accordance with RPP-16922 Section 5.2/6.2, perform operability test of the Eye Wash Stations (Portable & Fixed) MONTHLY (operability test are performed Weekly which meets the Monthly requirement).
3.4 Limits

RPP-16922, Environment Specification Requirements

4.0 PREREQUISITES

4.1 Special Tools, Equipment, and Supplies

- 5-gallon catch bucket, or container
- Plexiglas gauge
- Tags (similar to fire extinguisher tags), shop stock
- Household bleach, Store Stock #38-0580, GHS-SDS and/or MSDS #012915A
- Supply of potable water for flushing and cleaning
- Supply of clear clean potable water for final filling
- 8-ounce bottle Hydrosep water purification solution. Suggested Vendor: Lab Safety Supply Inc., P.O. Box 1368, Janesville, WI 53547-1368, GHS-SDS and/or MSDS #021669 or GHS-SDS and/or MSDS #025356A
- Eye/face shield or splash goggles
- Nitrile gloves
- Other tools, equipment, and supplies as identified by Shift Manager/OE/FWS/User.

REPLACEMENT PARTS

- P/N 01110720, Male Latch
- P/N 01110721, Female Latch
- P/N 01110729, Drain Tray Kit (optional accessory)
- P/N 01110738, J Hook
- P/N 01110792, Replacement Discharge Hose Kit.

4.2 Field Preparation

4.2.1 ENSURE release from Shift Manager has been obtained prior to beginning performance of this procedure.
5.0 PROCEDURE

NOTE - Sections 5.1 and 5.2 may be worked independently or not at all.

- Figure 1 displays eyewash station layout.

5.1 Weekly Inspections (RPP-16922)

5.1.1 INSPECT the discharge hose connection that connects the reservoir and basin.

5.1.2 IF the discharge hose connection is not functional, TAG unit out of service AND

REQUEST a fully serviced unit be installed per Section 5.2.

5.1.3 SETUP area to ensure flow is directed to either a drain or a catch container.

5.1.4 PULL down eyewash tray AND

ALLOW water to run for approximately 15 seconds to ensure proper flow.

5.1.5 RETURN eyewash tray to “as found” position.

5.1.6 ENSURE floor has been cleared of all spilled water.

5.1.7 OPEN lid.

5.1.8 IF water is not free of foreign materials, is not clear or algae is present, GO TO Section 5.2.

NOTE - Hydrosep is formulated to accept new potable water after each test for a 6-month period.

5.1.9 FILL tank with potable water to 15-minute flow line.

5.1.10 REPLACE lid.

NOTE - Eye wash station must be tagged similar to fire extinguishers.

5.1.11 SIGN AND DATE inspection tag.

5.1.12 IF Weekly Inspections conditions are met, GO TO Section 5.4.
5.2 Semi Annual Inspections

NOTE - Industrial Safety has determined the only time an eye wash unit can be removed from its designated location is when it is being replaced with an equivalent, fully serviced unit.

5.2.1 IF a spare eye wash unit is not available, LEAVE un-serviced unit in place until an equivalent, fully serviced unit becomes available.

5.2.1.1 NOTIFY FWS AND RECORD discrepancy on Work Record.

NOTE - If lifting greater than 40 pounds, 2 person lift, mechanical lift, or equivalent is required.

5.2.2 ENSURE access to replacement eye wash is free of any impediments.

5.2.3 IF a spare eye wash unit is available, UTILIZE “Two (2) Person lift”, mechanical lift or equivalent AND REPLACE Gravity Fed eye wash station with equivalent, fully serviced unit.

5.2.4 TRANSPORT removed unit to be serviced, to Maintenance Shop.

Maintenance Shop Inspection and Maintenance

5.2.5 OPEN lid.

5.2.6 REMOVE drain plug.

5.2.7 ALLOW unit to drain.

5.2.8 INSTALL drain plug.

5.2.9 INSPECT the following:

- Discharge hose connection that connects the reservoir and basin.
- Male Latch
- Female Latch.

5.2.9.1 IF available, REPLACE.
5.2 Semi Annual Inspections (Cont.)

5.2.10 DON Nitrile gloves and eye/face shield or splash goggles prior to handling bleach.

5.2.11 RINSE AND CLEAN interior of unit using approximately one ounce household bleach solution, along with one gallon potable water AND LEAVE solution in unit.

5.2.12 REPLACE lid.

5.2.13 FLUSH solution through hoses for 10 to 15 seconds AND ALLOW to stand for one to two hours.

5.2.14 REMOVE drain plug, allow unit to drain AND INSTALL drain plug.

5.2.15 OPEN lid.

5.2.16 FILL unit with potable water to 15 minute flow line.

5.2.17 REMOVE drain plug.

5.2.18 ALLOW unit to drain.

5.2.19 INSTALL drain plug.

5.2.20 FILL unit with potable water to 15 minute flow line.

5.2.21 REPLACE lid.

5.2.22 FLUSH through hose until tank is empty.
5.2 Semi Annual Inspections (Cont.)

5.2.23 REPEAT Steps 5.2.15 through 5.2.22 UNTIL no bleach odor is present in reservoir and hose.

5.2.23.1 IF conditions are met, OPEN lid.

5.2.24 DON Nitrile gloves and eye/face shield or splash goggles prior to handling Hydrosep.

5.2.25 IF concentrated form of Hydrosep comes in contact with eyes, FLUSH eyes with water.

NOTE - One bottle (8 oz.) of Hydrosep will preserve from 5 to 20 gallons of water.

5.2.26 FILL unit approximately half full with potable water AND

ADD a full 8-oz bottle of Hydrosep.

5.2.27 CONTINUE filling with potable water to 15-minute flow line.

5.2.28 REPLACE lid.

NOTE - Eye wash station must be tagged similar to fire extinguishers.

5.2.29 SIGN AND DATE inspection tag.

5.2.30 IF a spare unit was put into service at Step 5.2.3, COVER serviced unit with a plastic bag to maintain cleanliness AND

STORE unit for future use.
5.3 Annual Inspections

5.3.1 **SETUP** area to ensure flow is directed to either a drain or a catch container.

NOTE - Individual actions in the table below may be performed in parallel or any logical order.

5.3.2 **VERIFY** the following.

<table>
<thead>
<tr>
<th></th>
<th>Met (✓)</th>
<th>Not Met (✓)</th>
<th>Initials</th>
</tr>
</thead>
<tbody>
<tr>
<td>Eyewash tray opens easily.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Eyewash tray stays open without the use of operator’s hands.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Water temperature is tepid (moderately warm or lukewarm).</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><em>Adequate water flow (approximately ¾ to 1 gpm)</em></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>With Plexiglas gauge, confirm both eye wash streams cover the area between scored lines when the gauge is lowered no more than 1.5 inches below the streams peak.</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

*NOTE Unit should fully empty as follows:
  - IF unit is filled to the 5 minute flow line, 5 minutes
  - IF unit is filled to the 15 minute flow line, 15 minutes.

___________________________ / _______________ / __________ / __________
Signature                          Print (First and Last)      Date      Time

5.3.3 **RETURN** eyewash tray to “as found” position.

5.3.4 **OPEN** lid.

NOTE - Hydrosep is formulated to accept new potable water after each test for a 6-month period.

5.3.5 **FILL** tank with potable water to 15 minute flow line.

5.3.6 **REPLACE** lid.

NOTE - Eye wash station must be tagged similar to fire extinguishers.

5.3.7 **SIGN AND DATE** inspection tag.
5.4 Restoration

5.4.1 **ENSURE** access to gravity fed eye wash station is free of any impediments.

5.4.2 **REPORT** any deficiencies and/or probable cause of early failure to FWS for corrective action.

5.4.3 **ENSURE** floor has been cleared of all spilled water.

5.5 Acceptance Criteria

Comparison and verification of data in applicable steps of the procedure satisfies the Acceptance Criteria for this procedure.

5.6 Review

5.6.1 **INFORM** FWS test is complete.

5.6.2 The FWS **MUST REVIEW AND ENSURE** the following:

- Work requests needed as a result of this procedure are identified and generated.
- **RECORD** work request number(s) of any work documents generated as a result of this procedure in Comments/Remarks section of Data Sheet.

5.7 Records

This procedure is performed within a work package, as such, the procedure in its entirety will be maintained as a record per the Work Control process.

The record custodian identified in the Company Level Records Inventory and Disposition Schedule (RIDS) is responsible for record retention in accordance with TFC-BSM-IRM_DC-C-02.
Figure 1 – ENCON Gravity-Fed Portable Eye Wash Station