1 Purpose

The purpose of this specification is to describe the requirements for chlorine valve keys used at Water Corporation sites where chlorine drums or cylinders are connected for use.

2 Scope

This specification applies to valve keys used at Water Corporation chlorine facilities and is mandatory.

3 Definitions

ESD Emergency Shut-off Device

4 References

AS/NZS 2927:2019 - The Storage and Handling of Liquefied Chlorine Gas
Dangerous Goods Safety (Storage and Handling of Non-explosives) Regulations 2007 WA
Chlorine Valve Key Drawing: EO28-091-016-01A
5 Specification

The Chlorine Valve Key is a standard designed tool for use by authorised personnel for the opening and closing of chlorine drum and cylinder spindle valves. The Chlorine Valve Key has a tapered cut out section to assist with locating the spindle valve and ensures a good fit.

- The Chlorine Valve Key is used for further opening and closing the spinal valve on chlorine drums and cylinders after the initial opening of the chlorine container spindle valve with the Multi Chlorine Spanner (see note).

- For chlorine cylinders the Chlorine Valve Key should be left on the connected online and standby cylinder spindle valves except where there is an ESD installed.

- For chlorine drums on a GAS withdrawal system the Chlorine Valve Key should be left on the connected online and standby drums top spindle valve except where there is an ESD installed.

- For chlorine drums on a LIQUID withdrawal system where there is a requirement for an ESD to be installed the Chlorine Valve Key should be left on the connected online and standby drums Auxiliary spindle valve (pigtail isolation valve).

NOTE: The initial opening of a new chlorine drum or cylinder should be conducted using the standard Multi Chlorine Spanner, which has a unique twisted feature and is angled to allow the authorised person to apply reasonable force to open the valve.

A dimensioned drawing of the standard chlorine valve key has been developed: EO28-091-016-01A

The following companies are aware of the Water Corporations standard design of this valve key:
- Nix Sheetmetal Engineering

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<th>Document Revision History</th>
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<tr>
<td>26 Feb 2002 Document developed by RB &amp; reviewed by NH</td>
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<tr>
<td>7 May 2007 Document reviewed by RB &amp; NH</td>
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<td>17 Sept 2008 Document placed in Aqua PM# 1081431</td>
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