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Typical drum lifting beam mounted on chlorine drum

1 Purpose

The purpose of this specification is to describe the requirements for drum lifting beams used at Water Corporation chlorine drum facilities.

2 Scope

This specification applies to all Water Corporation chlorine facilities that use drum lifting beams to move chlorine drums.

3 Definitions

SWL Safe Working Limit

4 References

AS 2927:2019 - The Storage and Handling of Liquefied Chlorine Gas

Dangerous Goods Safety (Storage and Handling of Non-explosives) Regulations 2007 WA

Drum Lifting Beam Rest specification Nexus# [106473435](#)

5 Specification

Drum lifting beams are used to lift chlorine drums on and off a transport vehicle and move the chlorine drums within the chlorine store using a manual chain & block OR an electric hoist on a gantry crane OR monorail system. The **Drum Lifting Beam** can also be used for loading and unloading drums via chlorine truck Hiab crane.

- The **Drum Lifting Beam** must have a certification plate or markings on the lifting beam otherwise they are deemed to be non-compliant.
- The **Drum Lifting Beam** must have a SWL of 2000kg.:
- When the **Drum Lifting Beam** is not in use it should be rested on the Water Corporation standard design **Lifting Beam Rest**.

| Document Revision History | |
|---------------------------|---|
| 26 Feb 2002 | Document developed by RB & reviewed by NH |
| 7 May 2007 | Document reviewed by RB & NH |
| 17 Sept 2008 | Document placed in Aqua PM# 1081833 |
| 3 Aug 2010 | Document placed in Cordoc format by SZ |
| 25 Aug 2010 | Document reviewed by RB & NH |
| 10 Oct 2013 | Document reviewed by SZ & NH |
| 17 Oct 2017 | Document obsolete: history of published doc shows that it is barely used and the information contained within is not reflective of other models being used in Operations. |
| Nov 2020 | Documented reactivated and revised for use in capital delivery projects |
| Dec 2023 | Document reviewed by NH & BM |