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## 1 Purpose

The purpose of this specification is to describe the requirements for lifting beam rests used at Water Corporation chlorine drum stores.

## 2 Scope

This specification applies to all Water Corporation chlorine facilities that use lifting beams for the movement of chlorine drums.

## 3 Definitions

N/A

## 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 Specification – Nexus# [106473532](#)

## 5 Specification

The **Lifting Beam Rest** is a Water Corporation standard designed cradle used to rest the chlorine **Drum Lifting Beam** when not in use. This protects the lifting arms from damage which might occur if the beam was directly placed on the floor or eliminates the risk of a lifting beam falling off a drum if that mode of “storage” was used.

- The **Lifting Beam Rest** should be located in position that does not interfere with normal operations or cause drums to be lifted over the **Lifting Beam Rest** when unloading or loading from a vehicle.
- The location of the **Lifting Beam Rest** depends on the type travel arrangement of the electric or block/chain hoist on the monorail or gantry crane, or truck mounted HIAB.
- With a gantry crane, the **Lifting Beam Rest** should be located to one side of the chlorine drum room.
- With a monorail, the **Lifting Beam Rest** should be located at the end of the chlorine drum room so as not to interfere with the unloading or loading of drums.
- Where chlorine liquid is withdrawn from the chlorine drums, and the evaporators are located in the drum store, the **Lifting Beam Rest** should be located between the last drum and the evaporators to act as a barrier to protect the evaporators.

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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# 1083816
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 obsoleted: history of published doc shows that it is barely used
Nov 2020	Document reactivated and revised for use in capital delivery projects
Dec 2023	Document reviewed by NH & BM