

Incorporation of Material by Reference in Safe Work Instruments

Pursuant to section 52 of the Legislation Act 2012, I, Nicole Rosie, Chief Executive, WorkSafe New Zealand, give notice that the standards listed in the Table are incorporated into the safe work instruments listed in the Table for the purposes of the Health and Safety at Work (Hazardous Substances) Regulations 2017.

All the safe work instruments listed in the Table were approved on 13 November 2017.

The Table sets out which standards are incorporated and the safe work instruments in which they are incorporated.

Copies of the standards incorporated may be purchased at the internet site addresses indicated in the Table:

Table

Standard	Safe work instrument	Place of purchase
AS/NZS 4766:2006 Polyethylene storage tanks for water and chemicals	Health and Safety at Work (Hazardous Substances— Polyethylene Above Ground Stationary Tanks for Diesel Fuel) Safe Work Instrument 2017	https://shop.bsigroup.com/ https://www.standards.govt.nz/
ASTM D1693-15 Standard Test Method for Environmental Stress-Cracking of Ethylene Plastics	Health and Safety at Work (Hazardous Substances— Polyethylene Above Ground Stationary Tanks for Diesel Fuel) Safe Work Instrument 2017	https://www.astm.org/
BS EN 13341:2005+A1:2011 Static Thermoplastic Tanks for above ground storage of domestic heating oils, kerosene and diesel fuels — Blow moulded and rotationally moulded polyethylene tanks and rotationally moulded tanks made of anionically polymerized polyamide 6 — Requirements and test methods	Health and Safety at Work (Hazardous Substances— Polyethylene Above Ground Stationary Tanks for Diesel Fuel) Safe Work Instrument 2017	https://shop.bsigroup.com/
ISO 9001:2015 Quality Management Systems—Requirements	Health and Safety at Work (Hazardous Substances— Polyethylene Above Ground Stationary Tanks for Diesel Fuel) Safe Work Instrument 2017	https://www.iso.org/ https://www.standards.govt.nz/

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Standard	Safe work instrument	Place of purchase
UPSS Code of Practice for the Design, Installation, and Operation of Underground Petroleum Storage Systems (1st Edition) published in 1992 by the Occupational Safety and Health Service of the Department of Labour, New Zealand	Health and Safety at Work (Hazardous Substances- Management of Pre-2006 Stationary Container Systems up to 60,000 L) Safe Work Instrument 2017	https://worksafe.govt.nz/laws-and-regulations/standards/
ASTM D2563-08(2015)- Standard Practice for Classifying Visual Defects in Glass-Reinforced Plastic Laminate Parts.	Health and Safety at Work (Hazardous Substances—Design and Construction of Above Ground Stationary Tank to ULC-ORD-C80.1-2000) Safe Work Instrument 2017	https://www.astm.org/
ULC-ORD-C80.1-2000 Aboveground Non-Metallic Tanks for Fuel Oil	Health and Safety at Work (Hazardous Substances—Design and Construction of Above Ground Stationary Tank to ULC-ORD-C80.1-2000) Safe Work Instrument 2017	http://www.techstreet.com/standards/ulc-ord-c80-1-2000?product_id=1218151#jumps
ISO 11118:2015 Gas cylinders - Non-refillable metallic gas cylinders - Specification and test methods	Health and Safety at Work (Hazardous Substances— Specification of Standard Relating to Non-refillable Gas Containers) Safe Work Instrument 2017	https://www.iso.org
AS 1692:2006 Steel tanks for flammable and combustible liquids	Health and Safety at Work (Hazardous Substances—Reduced Secondary Containment for Certain Above Ground Stationary Tanks) Safe Work Instrument 2017	https://shop.bsigroup.com/
SwRI 93-01 Testing Requirements for Protected Aboveground Flammable Liquid/Fuel Storage Tanks	Health and Safety at Work (Hazardous Substances—Reduced Secondary Containment for Certain Above Ground Stationary Tanks) Safe Work Instrument 2017	infostore.saiglobal.com

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Standard	Safe work instrument	Place of purchase
SwRI 95-03 Testing Requirements for Multi Hazard Protected Aboveground Flammable Liquid/Fuel Storage Tanks	Health and Safety at Work (Hazardous Substances—Reduced Secondary Containment for Certain Above Ground Stationary Tanks) Safe Work Instrument 2017	infostore.saiglobal.com
UL 2085 Standard for protected Aboveground Tanks for Flammable and Combustible Liquids issued 01 December 1999	Health and Safety at Work (Hazardous Substances—Reduced Secondary Containment for Certain Above Ground Stationary Tanks) Safe Work Instrument 2017	http://www.shopulstandards.com/
AS/NZS 3845:1999 Road safety barrier systems	Health and Safety at Work (Hazardous Substances—Thermoplastic Stationary Tanks) Safe Work Instrument 2017	https://www.standards.govt.nz/
BS EN 1778:2000 Characteristic values for welded thermoplastics constructions - Determination of allowable stresses and moduli for design of thermoplastics equipment	Health and Safety at Work (Hazardous Substances—Thermoplastic Stationary Tanks) Safe Work Instrument 2017	https://shop.bsigroup.com/
BS EN 12573-1:2000 Welded static non-pressurized thermoplastic tanks - Part 1: General principles	Health and Safety at Work (Hazardous Substances—Thermoplastic Stationary Tanks) Safe Work Instrument 2017	https://shop.bsigroup.com/
BS EN 12573-2:2000 Welded static non-pressurized thermoplastic tanks - Part 2: Calculation of vertical cylindrical tanks	Health and Safety at Work (Hazardous Substances—Thermoplastic Stationary Tanks) Safe Work Instrument 2017	https://shop.bsigroup.com/
BS EN 12573-3:2000 Welded static non-pressurized thermoplastic tanks - Part 3: Design and calculation for single skin rectangular tanks	Health and Safety at Work (Hazardous Substances—Thermoplastic Stationary Tanks) Safe Work Instrument 2017	https://shop.bsigroup.com/

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Standard	Safe work instrument	Place of purchase
BS EN 12573-4:2000 Welded static non-pressurized thermoplastic tanks - Part 4: Design and calculation of flanged joints	Health and Safety at Work (Hazardous Substances—Thermoplastic Stationary Tanks) Safe Work Instrument 2017	https://shop.bsigroup.com/
DVS 2203 Testing of welded joints between panels and pipes made of thermoplastics	Health and Safety at Work (Hazardous Substances—Thermoplastic Stationary Tanks) Safe Work Instrument 2017	https://global.ihs.com/
UL 142 Standard for Steel Above Ground Tanks for Flammable and Combustible Liquids, ninth edition, dated December 28, 2006	Health and Safety at Work (Hazardous Substances—Above Ground Stationary Tanks Connected to a Generator Set) Safe Work Instrument 2017	http://www.shopulstandards.com/
BS 799-5:2010 Oil burning equipment - Part 5: Carbon steel oil storage tanks - Specification	Health and Safety at Work (Hazardous Substances—Above Ground Stationary Tanks Connected to a Generator Set) Safe Work Instrument 2017	https://shop.bsigroup.com/
OFS T200 - Oil Firing Equipment Standard Steel oil storage tanks and tank bunds for use with distillate fuels, lubrication oils and waste oils, Issue 6, 2007	Health and Safety at Work (Hazardous Substances—Above Ground Stationary Tanks Connected to a Generator Set) Safe Work Instrument 2017	https://www.thenbs.com/PublicationIndex/documents/details?Pub=OFTEC&DocID=292780
AS/NZS 1170.0:2002 Structural design actions - Part 0: General principles	Health and Safety at Work (Hazardous Substances - Above Ground Rotationally-Moulded Polyethylene Stationary Tanks) Safe Work Instrument 2017	https://www.standards.govt.nz/
AS/NZS 1170.1:2002 Structural design actions - Part 1: Permanent, imposed and other actions	Health and Safety at Work (Hazardous Substances - Above Ground Rotationally-Moulded Polyethylene Stationary Tanks) Safe Work Instrument 2017	https://www.standards.govt.nz/

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Standard	Safe work instrument	Place of purchase
AS/NZS 1170.2:2011 Structural design actions - Part 2: Wind actions	Health and Safety at Work (Hazardous Substances - Above Ground Rotationally-Moulded Polyethylene Stationary Tanks) Safe Work Instrument 2017	https://www.standards.govt.nz/
AS/NZS 1462.6:2008 Methods of test for plastics pipes and fittings: Method 6: Thermoplastics pipes, fittings and assemblies for the transport of fluids under pressure — Resistance to internal pressure	Health and Safety at Work (Hazardous Substances - Above Ground Rotationally-Moulded Polyethylene Stationary Tanks) Safe Work Instrument 2017	https://www.standards.govt.nz/
AS/NZS 4766:2006 Polyethylene storage tanks for water and chemicals	Health and Safety at Work (Hazardous Substances - Above Ground Rotationally-Moulded Polyethylene Stationary Tanks) Safe Work Instrument 2017	https://www.standards.govt.nz/
AS/NZS ISO 9001:2008 Quality management systems - requirements	Health and Safety at Work (Hazardous Substances - Above Ground Rotationally-Moulded Polyethylene Stationary Tanks) Safe Work Instrument 2017	https://www.standards.govt.nz/
ASTM D2837-13e1 Standard test method for obtaining hydrostatic design basis for thermoplastic pipe materials or pressure design basis for thermoplastic pipe products	Health and Safety at Work (Hazardous Substances - Above Ground Rotationally-Moulded Polyethylene Stationary Tanks) Safe Work Instrument 2017	https://www.astm.org/
ASTM D638-14 Standard Test Method for Tensile Properties of Plastics	Health and Safety at Work (Hazardous Substances - Above Ground Rotationally-Moulded Polyethylene Stationary Tanks) Safe Work Instrument 2017	https://www.astm.org/

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Standard	Safe work instrument	Place of purchase
ASTM D2765-16 Standard test methods for Determination of Gel Content and Swell Ratio of Crosslinked Ethylene Plastics	Health and Safety at Work (Hazardous Substances - Above Ground Rotationally-Moulded Polyethylene Stationary Tanks) Safe Work Instrument 2017	https://www.astm.org/
ASTM D1505-10 Standard Test Method for Density of Plastics by the Density-Gradient Technique	Health and Safety at Work (Hazardous Substances - Above Ground Rotationally-Moulded Polyethylene Stationary Tanks) Safe Work Instrument 2017	https://www.astm.org/
ASTM D2990-09 Standard test methods for tensile, compressive, and flexural creep and creep-rupture of plastics	Health and Safety at Work (Hazardous Substances - Above Ground Rotationally-Moulded Polyethylene Stationary Tanks) Safe Work Instrument 2017	https://www.astm.org/
BS EN 1778:2000 Characteristic values for welded thermoplastics constructions - determination of allowable stresses and moduli for design of thermoplastics equipment	Health and Safety at Work (Hazardous Substances - Above Ground Rotationally-Moulded Polyethylene Stationary Tanks) Safe Work Instrument 2017	https://shop.bsigroup.com/
ISO 527-1:2012 - Plastics - Determination of tensile properties - Part 1: General principles and ISO 527-2:2012 - Plastics - Determination of tensile properties - Part 2: Test Conditions for moulding and extrusion plastics	Health and Safety at Work (Hazardous Substances - Above Ground Rotationally-Moulded Polyethylene Stationary Tanks) Safe Work Instrument 2017	https://www.iso.org
ISO 899-1:2003 - Plastics - Determination of creep behaviour - Part 1: tensile creep and ISO 899-2:2003 - Plastics - Determination of creep behaviour - Part 2: Flexural creep by three-point loading	Health and Safety at Work (Hazardous Substances - Above Ground Rotationally-Moulded Polyethylene Stationary Tanks) Safe Work Instrument 2017	https://www.iso.org

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Standard	Safe work instrument	Place of purchase
ISO 1183-1:2012 Plastics - Methods for determining the density of non-cellular plastics - Part 1: Immersion method, liquid pyknometer method and titration method, ISO 1183-2:2004 Plastics - Methods for determining the density of non-cellular plastics - Part 2: Density gradient column method and ISO 1183-3:1999 Plastics - Methods for determining the density of non-cellular plastics - Part 3: Gas pyknometer method	Health and Safety at Work (Hazardous Substances - Above Ground Rotationally-Moulded Polyethylene Stationary Tanks) Safe Work Instrument 2017	https://www.iso.org
ISO 9080:2003 Plastics piping and ducting systems - Determination of the long-term hydrostatic strength of thermoplastics materials in pipe form by extrapolation	Health and Safety at Work (Hazardous Substances - Above Ground Rotationally-Moulded Polyethylene Stationary Tanks) Safe Work Instrument 2017	https://www.iso.org/standard/28314.html
NZS 1170.5:2004 Structural design actions, Part 5: Earthquake actions - New Zealand	Health and Safety at Work (Hazardous Substances - Above Ground Rotationally-Moulded Polyethylene Stationary Tanks) Safe Work Instrument 2017	https://www.standards.govt.nz/
NZS 3101:Part 1:2006 Concrete structures standard and NZS 3101:Part 2:2006 Concrete structures standard	Health and Safety at Work (Hazardous Substances - Above Ground Rotationally-Moulded Polyethylene Stationary Tanks) Safe Work Instrument 2017	https://www.standards.govt.nz/

These standards are available for inspection, free of charge, between the hours of 9.00am and 5.00pm from Monday to Friday (excluding statutory holidays) at WorkSafe New Zealand located at Level 6, 86 Customhouse Quay, Wellington 6011.

You may also contact WorkSafe using the following email to arrange to view the material incorporated by reference: Regulatory.Frameworks@worksafe.govt.nz

Dated at Wellington this 7th day of December 2017.

NICOLE ROSIE, Chief Executive, WorkSafe New Zealand.