

MO-SHORE-CO128270



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SWMS - Light Landing Craft

Project:	Light Landing Craft 4459	SWMS Prepared By:	Andrew Tuckey
Principal Construction:	Sheddy City Marine ROZELLE	SWMS No:	SWMS01
Location:	Sheddy City Marine ROZELLE	Last Reviewed:	Wed 24/11/25
Contact:	John Prasad 0413 535 114	SWMS Completed By:	Andrew Tuckey 0411 701 570
Description of Work:	Remove diesel, clean & oil diesel tanks. Clean & turny all voids	Date Completed:	18NOV25

Courtney MARCH
Digitally signed by Courtney MARCH
Date: 2025.09.15 14:10:27 +10'00'

Applicable OHS Legislation	Minimum Licence/Competency requirements for Task	Applicable Hazard Control Standards for Task
NSW Work Health & Safety Act 2011	Construction White Card	AS2865-2009 Confined Spaces
NSW Work Health & Safety Regulation 2011	Enter Confined Space	Confined Spaces Code of Practice 2018
	Gas Test Atmospheres	Hazardous Manual Tasks Code of Practice 2018
	Issue Work Permit	Managing Risk of Falls at Workplaces Code of Practice 2018
	Confined Risk Assessment	
	Confined Space Rescue	
	NSM LLC Induction	
	NSM General Induction	

Preceding Works & Requirements

This section is to be used to specify any processes and/or standard requirements prior to conducting the activity and does not need to be repeated in the main body of the SWMS

All persons must report fit for work, e.g. - Not affected by Drugs (includes prescription medication), Alcohol or Fatigue, & must complete a Medical Declaration

a. PJA addressing the task and worksite hazards, must be completed and signed by all personnel before work commences each shift

Standard PPE to be worn for all steps included in this SWMS. This includes: full length clothing / hard hat / safety footwear / hi-vis clothing / safety glasses / task suitable gloves (as required)

Confined Spaces Entry Permit and/or other applicable permits (Hot Work etc)

Emergency Plan

The following specialised equipment / emergency provisions must be readily accessible at the worksite prior to commencement:

• Dry chemical fire extinguisher	• Atmospheric monitoring device, tested and within calibration.	• Barricades & signage
• Communication device (Phone, Radio etc)	• First aid kit and trained 1st aider	• Rescue equipment

Monitoring and Review of Risk Controls

• Daily pre-start meeting conducted with work crew prior to commencement.	• PJA prepared prior to commencement of task.	• Incident Reports
• SWMS reviewed on an annual basis or following any material changes to the task or risks.		

SWMS - Light Landing Craft

RISK ASSESSMENT MATRIX

What would the <u>CONSEQUENCE</u> of an occurrence be?	What is the <u>LIKELIHOOD</u> of an occurrence?					Hierarchy of Controls
	Almost Certain A	Likely B	Possible C	Unlikely D	Rare E	
Catastrophic - 5 Fatalities. On or off site release with severe, long-term damage.	E-1	E-2	E-4	E-7	H-11	Can the hazard be Eliminated or removed from the work place?
Major - 4 Severe injuries or illness (amputation, LTI). Off site release with significant damage.	E-3	E-5	E-8	H-12	H-16	Can the product or process be Substituted for a less hazardous alternative?
Moderate - 3 Medical treatment required. On site release with significant damage.	E-6	H-9	H-13	M-17	M-20	Can the hazard be Engineered away with guards or barriers?
Minor - 2 First aid treatment. On site release, minor short-term damage and immediately contained.	H-10	H-14	M-18	L-21	L-23	Can Administration Controls be adopted? (i.e. procedures, job rotation etc)
Insignificant - 1 No injury or illness. Minor localised spill, limited damage to insignificant areas.	H-15	M-19	L-22	L-24	L-25	Can Personal Protective Equipment & Clothing be worn to safe guard against hazards?

SWMS - Light Landing Craft

Steps	Hazards	Risks	Initial Risk	Controls	Residue Risk
Setting up equipment	Manual handling heavy equipment	Muscle strain Dropping & damaging equipment Damaging site	M18 M18	Follow Manual Handling SWP Use mechanical lifts where possible Wear gloves & safety boots Adequately protect work area & access way Use signage &/or barriers around obstructions Maintain & tidy & organised work site	L23 L23
	Procedural hazards	Trips	H13	Barricading to be erected near falls	L24
	Working at height	Falls	E4	Harness & fall arrestor to be used when outside or no barricading Lids to be checked secure before transport to work area	L23
	Chemical spills	Fumes Burns Environmental damage	H13 H13	Chemicals to be stored, transported & decanted in bunded containers Respiration & eye protection worn when decanting Spill kit on hand Ensure work area & access way adequately protected	L21 L21
	Removing access panels to space	Muscle strain Hand &/or eye injury Dangerous gases Low oxygen Biological hazards Skin irritants	M18 M18 E4 E4 H13 H13	Follow Manual Handling SWP Gloves & eye protection to be worn Follow Gas Test Atmosphere guidelines for opening space Check tank contents before opening, disinfect when necessary Gloves, respiration & face/eye protection to be worn as required Constantly monitor atmosphere around access panel Leave space open for 24 hours before accessing	L23 L23 L23 L23 L23
Enter space	Enter unvented/closed space	Low oxygen Flammable gases Paint or chemical fumes	E4 E4 M18	Follow Gas Test Atmosphere guidelines before entering space Mechanically ventilate space Entrant to wear supplied air mask. Constant gas monitoring	L23 L23 L23 L25
	Large drop at entry	Falls	E4	Harness & fall arrestor to be used	L23
	Skin irritants	Chemical burns	H9	Chemical resistant suit, shoes, gloves to be worn. Mechanically ventilate space	L23
	Space filling when inside	Chemical fumes	H9	Flush space before entry	L23
	Distance or barriers between entrant & standby	Drowning/engulfment Difficulty communicating	H13 E4	Pumps to be locked out & tagged if identified in Permit Regular vocal communication between standby & entrant, as well as sighting entrant.	M20 L25
	Use of electrical equipment	Ignition source	E2	Use intrinsically safe equipment if identified in JSA Mechanically ventilate space	L25

SWMS - Light Landing Craft

steps	Hazards	Risks	Initial Risk	Controls	Residue Risk
	Spark Heated from sun	Heat exhaustion Dehydration	H9 H13	Check MSDS for flashpoint, ensure temp in space is below flash point Fire extinguisher Mechanically ventilate space Drinking water on hand Short shifts in space	L25 L25
	Exterior works	Noise Fumes	H9 E4	Arrange work in space around exterior works Mechanically ventilate space Ensure permits & SWMS at project sign in station Wear appropriate PPE as identified in JSA	L25 L21
	Trained/unqualified persons entering space	Injury/Death	E7	All workers including sentry must be confined space trained by an RTO. Confined space activities must be assessed & approved by an Authorised Officer & a permit issued.	L25
				A Confined Space Risk Assessment is to be conducted by an Authorised Officer in addition to the task JSA created by the work team An emergency Rescue Plan is to be developed by an emergency response team & issued for all confined space tasks. Isolations are applied by system/equipment owner & stored energy released. Physical Locking Devices are to be secured to isolation point(s) by system/equipment owner. All energy sources and equipment are treated as live until tested for dead by a competent person. Personal danger tags are to be completed & recorded in accordance with site owners processes, & placed at points where isolations & master tags are applied All energy sources & equipment are treated as live until tested for dead by a competent person. Exclusion zones & signage are to be established around the Confined Space whenever the Confined Space is unoccupied. Pre-use and periodic inspections of Confined Space equipment carried out by a competent person. Communication methods are to be established between work team, sentries, and emergency response team and documented in JSA. Ventilation systems are to be established and maintained in accordance with the permit. Continuous atmospheric monitoring of the Confined Space to be carried out in accordance with the permit. Sentry(s) are to be utilised at all times during Confined Space activities. Reverification of isolations & physical locking devices to be undertaken prior to recommencing work at isolation points.	

SWMS - Light Landing Craft

Steps

Hazards

Risks

Initial Risk

Controls

Residue Risk

Hazchem is handled, stored and stored in accordance with SDS requirements. Hazchem is handled, labelled and stored in accordance with SDS requirements. Prior to taking Hazchem on board, personnel shall complete the Vessel Hazchem Register and file a copy of the SDS in the Hazchem Folder. SDS shall be collected from the folder when disembarking the vessel. All known sources of asbestos containing material, zinc chromate, cadmium and beryllium are identified, labelled (where practicable) and recorded in the Hazardous Materials Register. If asbestos containing material, zinc chromate, cadmium and beryllium is identified or suspected, work is to cease immediately, an Exclusion Zone and signage established and site owner notified. Removal and disposal of asbestos containing material, zinc chromate, cadmium and beryllium shall be conducted by a licensed contractor.					
Clean space	Pressure cleaning	Flying debris Noise Burns	E5 H9 E8	Entrant to wear eye protection & suitable gloves.	L25 L26 L21
	Degreasing/disinfecting	Chemical fumes	H9	Chemical resistant suit, shoes, gloves & supplied air mask to be worn.	L23
		Chemical burns	H9	Mechanically ventilate space Ensure necessary MSDS available	L23
	Skin irritants	Chemical burns Chemical fumes	H9 H9	Chemical resistant suit, shoes, gloves & supplied air mask to be worn.	L23
	Use of electrical equipment	Ignition source Electrocution	H11 E4	Use intrinsically safe equipment if identified in JSA. Mechanically ventilate space	L25 H41
	Space heated from hot water	Heat exhaustion Dehydration	H9 H13	Check MSDS for flashpoint, ensure temp in space is below flash point Use of RCD with 240v tools Fire extinguisher 240v equipment to be tested & tagged Use of waterproof plug protectors Mechanically ventilate space Drinking water on hand Short shifts in space	L25 L25

SWMS - Light Landing Craft

Steps	Hazards	Risks	Initial Risk	Controls	Residue Risk
Pumping liquids/fuels	Pump or pipe join leaks	Environmental damage Potential fire/explosion risk Fumes or spray in eyes	E4 H13	Pump to be banded Hose joins to be banded Spill kit at hand Transfer attempted in well ventilated area Hoses, camlocks & hose clamps inspected before onset of transfer Camlock plugs & caps to be used when packing up Eye protection to be worn Stop valve not to be used when pumping over water to eliminate pressure in lines.	L23 L23 L23 L25
	Vessel fuel system not connected	Fuel leak into vessel	M18	Allow fuel to syphon where possible to eliminate pressure in lines. Constant monitoring of transfer procedure at all points of possible failure Fuel system inspected during onset of transfer into vessel	L24
	Multiple tanks with levelling valves	Uneven amount of fuel in vessel Overflow	E4 E4	Regular checks during transfer Mechanics, engineers & project manager notified before transfer Ensure valves between tanks are open Ensure filling rate matches levelling between tanks	L23 L23
	Storage tank overflow	Environmental damage Potential fire/explosion risk	E4	Only camlock fittings to tank lids to be used Storage tanks to be banded	L23
	Combustion of flammables	Fire/explosion	E4	Constant monitoring of transfer procedure Use of RCD to avoid short circuits Extinguisher to be kept nearby at all times Flammables to be kept 5m from ignition sources Comply with site smoking regulations Storage containers to be clearly labelled	L25
	Working at height	Falls Dehydration	H9 H13	Harness & fall arrestor to be worn outside barricading Ladders to be checked & chosen for safety & suitability Gloves, eye protection & respirator to be worn	L25 L25 L23
	Skin irritants	Chemical burns Chemical fumes	H9 H9		L25
	Use of electrical equipment	Ignition source Electrocution	H11 E4	Use intrinsically safe equipment if identified in ISA Check MSDS for flashpoint, ensure temp in space is below flash point Use of RCD with 240v tools Fire extinguisher 240v equipment to be tested & tagged Use of waterproof plug protectors	L25 H11
Coating tanks	Skin irritants	Chemical burns Chemical fumes	H9 H9	Gloves, eye protection & respirator to be worn MSDS for coating product available	L23 L21
	Chemical spills	Environmental damage	H13	Lids to be checked secure before transport to work area Chemicals to be stored, transported & decanted in banded containers	L21 L21

SWMS - Light Landing Craft

Steps	Hazards	Risks	Initial Risk	Controls	Residue Risk
				Respiration & eye protection worn when decanting Spill kit on hand Ensure work area & access way adequately protected	
Restoring Surface Boat from Trunks with Nylon Strip Disks	Use of electrical equipment	Electrocution	H11 E4	Use of RCD with 240v tools Fire extinguisher 240v equipment to be tested & tagged Use of waterproof plug protectors	L25 H11
	Use of power tools	Hand &/or eye injury Noise	M18 M18	Gloves & eye protection to be worn Hearing protection	L23 L23
Emergency Rescue	Difficulty removing injured entrant	Can remove entrant externally Unable to extract injured worker externally	E4 E4	Entrants to be harnessed and connected to winch at all times Communication method followed as described in JSA Rescue equipment & personnel as identified in JSA in close proximity	L22 L22

SWMS - Light Landing Craft

Confirmation of review & acceptance

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