

LIVERPOOL HEALTH & ACADEMIC PRECINCT HAZARDOUS CHEMICALS (HAZARDOUS PRODUCTS, MATERIALS, SUBSTANCES, DANGEROUS GOODS) MANAGEMENT SUB PLAN

10/06/2020 | Revision No: 4



Sub Plan Revision Status					
Date	Document Revision (in numbers)	Project Revision (in numbers)	Purpose and Summary of Amendments	Reviewed by	Approved by
30/11/16	2		General update including LLC GMR and legislative amendments.	Tracey WaLLCridge	Brian Falls
19/03/20	3		General update to reflect review of related system documents.	Tracey WaLLCridge	Ross Trethewy
10/06/2020	4		Title change, references to HSDG changed to Hazardous Chemicals, and general review	Tracey WaLLCridge	Phill Smith
18/11/2020	4	DRAFT	For Tender Submission	Glen O'Connor	Brooke Brittain
19/04/2021	4	DRAFT	LHAP site specific information	Daisy Badel	Michael Niedzwiecki
07/07/2021	4	Rev 1	Draft approved review only	Lilly Cauchi	Michael Niedzwiecki
05/08/21	4	Rev 2	Reviewed as per Johnstaff comments	Lilly Cauchi	Daniel Puljic
17/11/2021	4	Rev 3	Review only no changes	Ian Sheils	Daniel Puljic
09/12/2021	4	Rev 4	Updated EMD and general review	Ian Sheils	Daniel Puljic
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02/06/2022	4	Rev 6	Update to appendix 1 to show current site stockpile conditions	Dylan Stewart	Daniel Puljic
05/09/2022	4	Rev 7	Reviewed no changes	Dylan Stewart	Daniel Puljic
02/12/2022	4	Rev 8	Review only no changes	Dylan Stewart	Daniel Puljic
05/05/2023	4	Rev 9	Changed Lendlease Building to Lendlease Construction	Nigel Rose	Daniel Puljic
7/11/2023	4	Rev 10	General review & updated EMD	Nigel Rose	Daniel Puljic

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1. SCOPE OF PROJECT AND SUB PLAN

Project Details	
Scope of the Sub Plan	<p>This Hazardous Chemicals (products, materials, substances, and dangerous goods) Management Sub Plan identifies control measures for the storage, handling and management and disposal of substances and dangerous goods with the potential to have an environment or health impact on the LHAP project. This may include hazardous building materials, chemicals, fuel and other potentially dangerous solids, liquids and gases encountered or used during site establishment, construction and commissioning of the project.</p> <p>It also identifies actions to be taken to respond to unexpected finds of hazardous or dangerous substances, unplanned or unforeseen releases (spills) or exposure.</p> <p>Refer to Section 1.1 and 3.1 of the Project EHS Management Plan for clarification on how the EHS Sub Plans form part of the Lend lease Building (LLC) EHS management system.</p>
Objectives of the Sub Plan	<ul style="list-style-type: none"> ● To identify all hazardous building materials that may encountered due to the construction activities. ● To ensure that hazardous chemicals (products, materials, substances) are stored, decanted and handled in a way that avoids incident or injury. ● To prevent contamination of soil or groundwater. ● To prevent pollution and environmental harm associated with the storage, use and disposal of HSDG.
Scope of Works	<p>This Sub Plan has been prepared based on consideration of the following scope of works:</p> <p>The Liverpool Hospital is a Principal Group A1 tertiary referral hospital, managed by South Western Sydney Local Health District (SWSLHD). Liverpool Hospital currently has 713 inpatient beds and provides a wide range of tertiary and quaternary services. The redevelopment will increase the inpatient bed numbers to 900, as well as expanding tertiary and quaternary services.</p> <p>The Liverpool Hospital Clinical Services Plan 2031 (version 2.0 dated 26 November 2018), predicts substantial growth in service demand to 2025/26 which continues to 2030/31 due to significant population increase, major infrastructure in South Western Sydney and the poor health status of people within the Local Government Area (LGA) and surrounding areas. These increases result in demand well beyond the hospital's present infrastructure capacities.</p>

Project Details

The Liverpool Hospital Academic Precinct (LHAP) Main Works Project scope is broken into three distinct packages of work. These include:

Demolition and Construction of Stage 1

- Demolition of Education Facility, SIM, Kitchen, Library and Retail.
- Diversion/Isolation/Disconnection of all associated services and plant within and supporting the Demolition works area.
- Construction of ISB stage 1.

Demolition and Construction of Stage 2

- Demolition of Pathology, Oncology and Alex Grimson.
- Diversion/Isolation/Disconnection of all associated services within and supporting the Demolition works area.
- Construction of ISB Stage 2.
- Construction of Campbell Street Shared Zone
- On-grade car park works – All works associated with the on-grade car park. Some recommendations/requirements related to this area are within the MSCP Volume 3 reports. These will need to be allowed within the tender price. E.g., Remediation.

Refurbishment Works

- Refurbishment works within Caroline Chisholm
- Refurbishment works within the CSB.

Key Issues and Risks

The works described above may require the use of substances falling within the classification of hazardous chemicals (products, materials, substances). On a typical site, five (5) classes of HSDG are commonly used:

- Dangerous Goods Class – 2.1(Flammable gases): propane, LPG, acetylene
- Dangerous Goods Class – 2.2(Non-flammable non-toxic gases): argon
- Dangerous Goods Class – 3 (Flammable liquids): diesel fuels, petrol, lubricating oil etc.
- Dangerous Goods Class – 5.1 (Oxidizing substances): oxygen, hydrogen peroxide.
- Dangerous Goods Class – 8 (Corrosive substances): cleaning acids, chloride



The potential also exists for hazardous chemicals (products, materials, substances) and dangerous goods such as asbestos, lead based paint and polychlorinated biphenyl (PCB) to be found on site in existing buildings or soil.

Project Details

The use and/or presence of hazardous chemicals (products, materials, substances) and dangerous goods creates the potential for environmental, health and community impacts including pollution, if appropriate controls are not identified, implemented and maintained on the LHAP site.

The activities most likely to expose or require the use of HSDG on this site include:

- The operation and refuelling of plant and equipment;
- Excavation and removal of redundant services and soil; and
- Waterproofing, gluing and cleaning.

The risks associated with the use of hazardous chemicals (products, materials, substances) and dangerous goods include:

- PCB's
- Fuels,
- Potential Medical materials,
- Glues,
- Construction Materials required for the construction of the project,
- Site (soil and groundwater) contamination;
- Off-site pollution of local waterways via the storm water system;
- Health, physical and odour impacts;
- Effects on local sensitive receivers including Liverpool Girls and Boys High Schools, Liverpool TAFE NSW, Liverpool Emergency Department, Residents and Private Businesses
- Residual contamination of the environment, e.g. asbestos containing fill

The appropriate management of hazardous chemicals (products, materials, substances) and dangerous goods must be considered during:

- Demolition or re-work (unexpected finds of hazardous building materials)
- Groundworks (unexpected soil/groundwater contamination)
- Transport, handling, storage and decanting;
- Application on site.

Project Details	
	<ul style="list-style-type: none"> • Dewatering of stormwater and bunded storage areas. • Incident/spill response; and • Waste product and container disposal. <p>The implementation of the control measures identified in the EHS Plan and this Sub Plan are intended to mitigate these risks and potential impacts.</p>
Legislation, Approval and Guidelines	<p>Federal/National:</p> <p>Australian and New Zealand Guidelines for Fresh and Marine Water Quality 2000</p> <p>Australian Standard 3833:2007: The Storage and Handling of Mixed Classes of Dangerous Goods</p> <p>Australian Standard AS 4452B:1997: The Storage and Handling of Toxic Substances</p> <p>Australian Standard AS 1940:2017: The Storage and Handling of Flammable and Combustible Liquids</p> <p>Code of Practice: Labelling of Workplace Substances (SafeWork Australia)</p> <p>Code of Practice: Preparation of Material Data Sheets (SafeWork Australia)</p> <p>Code of Practice: Managing Risks of Hazardous Chemicals in the Workplace (SafeWork Australia)</p> <p>State:</p> <p>Work Health and Safety Act 2011</p> <p>Work Health and Safety Regulation 2017</p> <p>Protection of the Environment Operations Act 1997</p> <p>Waste Avoidance and Resource Recovery Act 2001</p> <p>Lendlease Requirements:</p> <ul style="list-style-type: none"> • GMR 3.2.4 Hazard Reduction • GMR 4.5 Fire and Explosion • GMR 4.10 Occupational Health Exposure • GMR 4.13 Degradation or Pollution of the Environment • GMR 4.15 Uncontrolled Release of Stored Energy (non-electrical))

Project Details

- Lendlease Construction Workplace Delivery Code (WDC): H for Hazardous Chemicals
- Hazardous Chemicals (hazardous products, materials, substances and dangerous goods) Management Procedure (Source)
- Hazardous Chemicals Register (Source)
- Contamination Management Sub Plan
- Asbestos Management Sub-Plan

SSDA – 10389

Storage of Dangerous Goods

E15. Dangerous Goods

The quantities of dangerous goods stored and handled at the site must be below the threshold quantities listed in the Department of Planning's Hazardous and Offensive Development Application Guidelines – Applying SEPP 33 at all times.

<https://www.planning.nsw.gov.au/-/media/Files/DPE/Guidelines/hazardous-and-offensive-development-application-guidelines-applying-sepp-33-2011-01.pdf?la=en>

Project Details

Summary of Site Controls

Works must be undertaken in accordance with the Lendlease GMRs, the Project EHS Plan, this Sub Plan and the Lendlease Construction WDC. These documents detail Lendlease's approach and commitment to pro-active and responsible site management.

Site specific controls, monitoring, reporting and performance measurements have been identified in this Sub Plan to prevent or minimise the impacts of hazardous chemicals (products, materials, substances and dangerous goods) use and disposal on the environment, community and workers.

These controls include but are not limited to:

- Avoiding the use of hazardous chemicals (products, materials, substances and dangerous goods) by identifying alternative, safer products.
- Minimising the storage of hazardous chemicals (products, materials, substances and dangerous goods) on site and eliminating bulk storage.
- Constructing secure storage areas and assessing the compatibility of stored materials;
- Disposal of waste using licenced contractors to approved facilities;
- Providing of spill kits and firefighting equipment near storage areas; and
- Developing an Unexpected Find Protocol (UFP). Refer below.

A Hazardous Substances and Dangerous Goods Diagram will be prepared for the LHAP site. The diagram will build on the detail provided in the Environmental Management Diagram (EMD) in Appendix 1 of this Sub Plan

Existing buildings and ground areas known to contain hazardous chemicals, products, materials, substances or dangerous goods will also be identified on the diagram and EMD.

Product selection, HSDG handling, use and disposal requirements must be included in relevant specifications, contract agreements, subcontractor work method statements and quality assurance processes.

Site inspections and surveillance will be undertaken by Lendlease and subcontractors as detailed in the Project EHS Plan and the following implementation table.

Project Details

Unexpected Find Protocol

Unexpected Find Protocol

1. Cease work and evacuate the area of work immediately if unidentified hazardous chemicals (products, materials, substances and dangerous goods) or contamination has been discovered.
2. Contact a Lendlease Representative (EHS Manager/Coordinator, Site Manager, Foreman, Construction Manager, Health and Safety Representative).
3. Construction Manager to advise the principal (JSP)
4. Erect barricades to isolate the immediate areas providing 10m between the suspect material and the erected barrier if possible.
5. Prevent access to the barricaded area unless express permission has been given by the qualified environmental specialist after consultation with the Environment, Health & Safety Committee. A Clearance Certificate shall be given in writing prior to entry.
6. Undertake sampling of the suspect material (to be carried out by an appropriately qualified environmental specialist) as advised by the Lendlease Construction Manager.
7. Determine, in consultation with the nominated environmental specialist and in liaison with Lendlease senior site personnel, Environment, Health & Safety Committee, if further remedial action is necessary based on the sample test results.
8. Identify appropriate treatment/handling or disposal options and procedures. Note: Air Monitoring system to be set up prior to removal of material confirmed as asbestos.
9. Notify the appropriate regulatory authorities as soon as possible (where applicable), i.e. if the nominated environmental specialist confirms the material as hazardous to human health; or based on observations there is a high likelihood that the material is hazardous; and a potential for imminent or immediate risk of serious harm exists, e.g. exposure to airborne fibres.
10. Obtain all required permits to carry out remedial work prior to the commencement of any new works. The nominated environmental specialist must provide written clearance approval for entry.
11. Remove the barricade to allow work activities to resume under the direction of the Lendlease Construction Manager.

2. IMPLEMENTATION OF THE SUB PLAN

Control Measure	Timing	Methodology	Responsibility	Monitoring and Reporting	Performance Measurement
Planning and Site Establishment					
Eliminate the use of hazardous chemicals (products, materials, substances, and dangerous goods) where possible, and identify alternative, safer products and materials that could be substituted.	During Design During Tendering	Review the design to identify alternatives. Request input from subcontractors and supplies on product alternatives.	Project Team	Changes to design or product selection.	HSDG use minimised where possible.
Where construction, refurbishment, maintenance or demolition works are to be carried out on an existing building or structure, a hazardous materials survey must be carried out by an independent specialist contractor to identify and record the presence of any hazardous materials, regardless of any existing register or asbestos management plan provided by the owner or occupier of the building or structure. (NOTE: This must be procured by Lendlease Construction)	Prior to works commencing	As appropriate, obtain a building survey and/or contamination assessment and use this to assess potential risks, inform the construction program and identify work methods. Include relevant requirements into subcontractor SWMS and contract documentation.	CM	SWMSs prepared. Requirements incorporated into subcontract documentation.	No inappropriate disposal of HSDG or contaminated waste materials. No adverse impact on the health of workers or the community.
Include information in the Site Induction about product selection and the risks and impacts of using or encountering hazardous chemicals (products, materials, substances, and dangerous goods) /contamination. Address storage requirements for the site.	Prior to works commencing	Revise Lendlease standard induction package to include site specific information. Address minimum storage standards/ requirements. Deliver induction material.	CM/SM	SWMSs prepared by subcontractor's address HSDG storage, handling and disposal.	Site induction delivered to all workers on site.

<p>Prepare a Hazardous Chemicals (products, materials, substances, and dangerous goods) Environmental Management Diagram (EMD) showing the location of storage areas, sensitive receptors, and stormwater drains.</p>	<p>Prior to works commencing</p>	<p>Prepare EMD (Appendix 1).</p>	<p>SM</p>	<p>Diagram prepared prior to works commencing.</p>	<p>Storage areas located away from sensitive receivers. No spills or incidents.</p>
<p>Storage of Hazardous Chemicals (products, materials, substances, and dangerous goods) (Refer Appendix 2: Checklist)</p>					
<p>Establish hazardous chemical (products, materials, substances, and dangerous goods) storage areas (including bunds) in appropriate locations (located away from sensitive receptors).</p>	<p>Prior to works commencing</p>	<p>Establish in accordance with the WDC. Bunds should include a cover/roof, blind sump and impermeable walls/floor. Assess the compatibility of stored materials and provide appropriate separation, segregation or isolation. (Refer Appendix 3). Secure storage areas to prevent unauthorised access and vandalism. Provide signage and placards in accordance with State/Territory Regulations.</p>	<p>SM</p>	<p>Daily surveillance to assess storage conditions and compatibility. Weekly/monthly inspection</p>	<p>No contamination identified in bunds. Bunds maintained. No uncontrolled or off-site pollution associated with material storage. No theft or vandalism.</p>
<p>Establish a Hazardous Chemicals (products, materials, substances, and dangerous goods) register and Safety Data Sheets (obtained through Chemwatch.I)</p>	<p>Prior to works commencing</p>	<p>Require subcontractors to consider product selection based on environmental and safety credentials. Incorporate SDSs information in SWMS for high-risk construction work or alternatively if not HRCW carry out a Toolbox Talk on SDS precautions for use and PPE requirements.</p>	<p>SM</p>	<p>Register established. Evidence that product selection has been considered as part of work planning.</p>	<p>No substance on site without a data sheet or inclusion on register.</p>

Emergency procedures regarding spillage and/or containment shall be displayed in a prominent position within the site	At all times	Implement the Emergency Response Procedure and Incident Reporting and Management Procedure in the event of a land-based or water-based fuel, oil, or chemical spill.	SM	Monitor activities and condition of spill kits. Scenarios to include spill response.	No spill or handling incidents with the potential to cause environmental degradation or human health impact.
Provide spill kits and firefighting equipment near all temporary and permanent storage areas.	Prior to works commencing and ongoing	Provide suitably stocked spill kits and associated signage. Provide firefighting equipment or systems. Provide training or instruction in the use of emergency response materials and equipment.	SM	Weekly/monthly inspection (to check availability and stocks)	Kit fully stocked and appropriately located. Adequate number of kits on site.
Use and Handling of Hazardous Chemicals (products, materials, substances, and dangerous goods)					
Assess risks associated with the use of hazardous chemicals (products, materials, substances, and dangerous goods) and other chemicals to identify isolation, engineering, administrative and PPE controls and requirements.	Ongoing	Assess risks and document in the IHRA. Provide appropriate controls (e.g. barriers) and/or PPE. Link SDS requirements to SWMS and training.	SM	Ongoing assessment and surveillance of work activities.	No incidents.
Refuelling of plant to be undertaken by Minitanker in designated areas. (NOTE: Avoid bulk storage of fuels on site. If necessary, obtain approval from the Regional EHS Manager.	At all times	Identify refuelling areas and establish impervious surfaces and environmental controls (e.g. bunds for spill management). Subcontractor to prepare a SWMS addressing safety and environmental controls associated with refuelling.	SM Subcontractor	Ongoing surveillance. Weekly/monthly inspection	Refilling by specified method only. Refuelling in designated (controlled) areas only. No spillage during refuelling.

Implement the unexpected find protocol in the event that previously unidentified hazardous material or contamination is suspected or identified on the site.	As required	Document an UFP for the site.	SM	As identified.	Work is ceased immediately on finding unexpected hazardous or contaminated material.
Disposal of Hazard Chemicals (products, materials, substances, and dangerous goods)					
Collect, segregate, and securely store waste products, materials, substances, and dangerous goods in designated areas until disposal can be arranged.	At all times	<p>Establish secure and appropriately constructed waste storage areas located away from drains and sensitive receptors.</p> <p>Store liquid wastes in clearly labelled, original containers.</p> <p>Use appropriately licenced waste transporters.</p> <p>Dispose of materials to licenced/approved landfill facilities only.</p> <p>Re-use or recycle waste where opportunities exist to do so (e.g. oil, solvents)</p> <p>Retain disposal/weighbridge dockets.</p> <p>Maintain storage areas in a clean, tidy and contamination free condition.</p>	SM Sub-contractors	<p>Weekly/monthly inspection</p> <p>Waste disposal dockets.</p> <p>Monthly consolidation of waste data for entry into Footprint.</p>	<p>No spillage or pollution associated with storage areas.</p> <p>No illegal transport or disposal of waste.</p>
Decontamination of hazardous substances on occupied sites	As required	All such decontamination shall be carried out outside of normal hours of occupation	SM	As identified	Decontamination of hazardous substances disposed of outside of normal hours

APPENDIX 1 ENVIRONMENTAL MANAGEMENT DIAGRAM (EMD)

ENVIRONMENTAL MANAGEMENT DIAGRAM – LIVERPOOL HEALTH & ACADEMIC PRECINCT PROJECT



EXTENT MAP



KEY ENVIRONMENTAL ISSUES

- Unexpected finds
- Noise to general public / Hospital
- Water run off
- Sediment run off

SENSITIVE RECEPTORS

- Local Residents in Goulburn & Campbell Streets
- Alex Grimson Building
- Caroline Chisholm Building
- Existing Clinical Services Building
- Liverpool TAFE – College Street Campus
- Ingham Institute

KEY CONTROL MEASURES

- Blue metal to cap exposed soil
- Geofabric under pit grates to stormwater inlets to filter water
- Radiation monitoring of cancer bunker
- Shaker grid located inside of gates 2 & 3
- High pressure washer to clean tyres in inclement weather

LEGEND

Icon	Descriptions
	Site Accommodation
	A-Class Hoarding
	Shaker Grid
	Spill Kit
	HS / DG Storage
	Tree Protection Zone
	Stormwater Inlet
	Radiation Monitor
	Noise Monitor
	Ground Vibration Monitor
	Rubbish Skip

KEY CONTACTS

Senior Construction Manager Daniel Puljic 0477 393 259	Senior Site Manager Damien Smith 0437 559 361	General Foreman James Hall 0429 801 618	Senior EHS Coordinator Nigel Rose 0428 741 878	Emergency Services 000
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APPENDIX 2: CHECKLIST FOR HAZARDOUS CHEMICALS (PRODUCTS, MATERIALS, SUBSTANCES AND DANGEROUS GOODS) STORAGE AREAS

1. Check labels

- Make sure hazardous chemicals/substances are always properly labelled, even after they have been transferred from the original container.
- Label or signpost any pipework that contains hazardous chemicals.

2. Obtain and provide safety information

- Get a current safety data sheet before you use any hazardous chemical/substance and when a hazardous chemical is first supplied to your workplace.
- Obtain any updated safety data sheets and ensure workers, emergency services personnel or anyone who asks is provided with the information.

3. Keep a register

- Keep a register that lists all the hazardous chemicals/substances used, stored or handled at the workplace.
- Include current safety data sheets for each chemical/substance listed.
- Make sure everyone affected by the hazardous chemicals/substances can view the register.

4. Keep a manifest

- You may need to keep a manifest of hazardous chemicals/substances. The manifest must include the type, quantity and location of the chemicals, a site plan and contact details for emergency services. Check State/Territory WHS regulations for manifest requirements.

5. Display placards and signs

- Display placards to assist emergency services if you store hazardous chemicals that exceed the placard quantity (as per State/Territory WHS regulations).
- A HAZCHEM placard must be displayed on the outside of the workplace and other placards must be displayed at other locations.
- Display warning signs near the chemical storage area.

6. Keep chemicals stable

- Keep the ingredients and temperature stable to ensure the chemicals don't change.

7. Manage spills and leaks

- Wherever chemicals are used, handled or stored, have spill kits handy to enable spills and leaks to be contained.

8. Avoid damage to chemicals

- Make sure chemical containers and pipework can't be damaged.

9. Install appropriate fire protection

- Assess the need for fire extinguishers, firefighting equipment, monitors, alarms and sprinkler systems.
- Make sure equipment is always available and operational for emergencies.

10. Have proper storage and handling systems

- Refer to the SDS.
- Follow the manufacturer's instructions for all systems installed to store and handle chemicals.

APPENDIX 3: STORAGE CHART

CLASS OF HAZARDOUS SUBSTANCE OR DANGEROUS GOOD AND SUBSIDIARY RISK			GASES UNDER PRESSURE				FLAMMABLE LIQUIDS	FLAMMABLE SOLIDS			OXIDISING		TOXIC	CORROSIVE
			2.1	2.2	2.2 Sub-Risk 5.1	2.3	3	4.1	4.2	4.3	5.1	5.2	6	8
 GASES UNDER PRESSURE	2.1 FLAMMABLE GASES		OK TO STORE TOGETHER	OK TO STORE TOGETHER	SEGREGATE At least 3M	SEGREGATE At least 3M	SEGREGATE At least 5M	SEGREGATE At least 5M	DISCUSS WITH REGIONAL EHS MANAGER	DISCUSS WITH REGIONAL EHS MANAGER	SEGREGATE At least 3M	DISCUSS WITH REGIONAL EHS MANAGER	DISCUSS WITH REGIONAL EHS MANAGER	SEGREGATE At least 5M
	2.2 NON-FLAMMABLE/ NON-TOXIC GASES		OK TO STORE TOGETHER	OK TO STORE TOGETHER	OK TO STORE TOGETHER	OK TO STORE TOGETHER	SEGREGATE At least 5M	SEGREGATE At least 5M	DISCUSS WITH REGIONAL EHS MANAGER	DISCUSS WITH REGIONAL EHS MANAGER	SEGREGATE At least 3M	DISCUSS WITH REGIONAL EHS MANAGER	DISCUSS WITH REGIONAL EHS MANAGER	SEGREGATE At least 5M
	2.2 NON-FLAMMABLE/ NON-TOXIC GASES SUB-RISK 5.1		SEGREGATE At least 3M	OK TO STORE TOGETHER	OK TO STORE TOGETHER	SEGREGATE At least 3M	SEGREGATE At least 5M	SEGREGATE At least 5M	DISCUSS WITH REGIONAL EHS MANAGER	DISCUSS WITH REGIONAL EHS MANAGER	SEGREGATE At least 3M	DISCUSS WITH REGIONAL EHS MANAGER	DISCUSS WITH REGIONAL EHS MANAGER	SEGREGATE At least 5M
	2.3 TOXIC GAS		SEGREGATE At least 3M	OK TO STORE TOGETHER	SEGREGATE At least 3M	MAY NOT BE COMPATIBLE CHECK SDS	SEGREGATE At least 5M	SEGREGATE At least 5M	DISCUSS WITH REGIONAL EHS MANAGER	DISCUSS WITH REGIONAL EHS MANAGER	SEGREGATE At least 3M	DISCUSS WITH REGIONAL EHS MANAGER	DISCUSS WITH REGIONAL EHS MANAGER	SEGREGATE At least 5M
 FLAMMABLE LIQUIDS	3 FLAMMABLE LIQUIDS		SEGREGATE At least 5M	SEGREGATE At least 5M	SEGREGATE At least 5M	SEGREGATE At least 5M	OK TO STORE TOGETHER	SEGREGATE At least 3M	DISCUSS WITH REGIONAL EHS MANAGER	DISCUSS WITH REGIONAL EHS MANAGER	SEGREGATE At least 5M	DISCUSS WITH REGIONAL EHS MANAGER	DISCUSS WITH REGIONAL EHS MANAGER	SEGREGATE At least 3M
 FLAMMABLE SOLIDS	4.1 FLAMMABLE SOLID		SEGREGATE At least 5M	SEGREGATE At least 5M	SEGREGATE At least 5M	SEGREGATE At least 5M	SEGREGATE At least 3M	OK TO STORE TOGETHER	DISCUSS WITH REGIONAL EHS MANAGER	DISCUSS WITH REGIONAL EHS MANAGER	SEGREGATE At least 5M	DISCUSS WITH REGIONAL EHS MANAGER	DISCUSS WITH REGIONAL EHS MANAGER	MAY NOT BE COMPATIBLE CHECK SDS
	4.2 SPONTANEOUSLY COMBUSTIBLE		DISCUSS WITH REGIONAL EHS MANAGER	DISCUSS WITH REGIONAL EHS MANAGER	DISCUSS WITH REGIONAL EHS MANAGER	DISCUSS WITH REGIONAL EHS MANAGER	DISCUSS WITH REGIONAL EHS MANAGER	DISCUSS WITH REGIONAL EHS MANAGER	DISCUSS WITH REGIONAL EHS MANAGER	DISCUSS WITH REGIONAL EHS MANAGER	DISCUSS WITH REGIONAL EHS MANAGER	DISCUSS WITH REGIONAL EHS MANAGER	DISCUSS WITH REGIONAL EHS MANAGER	DISCUSS WITH REGIONAL EHS MANAGER
	4.3 DANGEROUS WHEN WET		DISCUSS WITH REGIONAL EHS MANAGER	DISCUSS WITH REGIONAL EHS MANAGER	DISCUSS WITH REGIONAL EHS MANAGER	DISCUSS WITH REGIONAL EHS MANAGER	DISCUSS WITH REGIONAL EHS MANAGER	DISCUSS WITH REGIONAL EHS MANAGER	DISCUSS WITH REGIONAL EHS MANAGER	DISCUSS WITH REGIONAL EHS MANAGER	DISCUSS WITH REGIONAL EHS MANAGER	DISCUSS WITH REGIONAL EHS MANAGER	DISCUSS WITH REGIONAL EHS MANAGER	DISCUSS WITH REGIONAL EHS MANAGER
 OXIDISING	5.1 OXIDISING AGENT		SEGREGATE At least 3M	SEGREGATE At least 3M	SEGREGATE At least 3M	SEGREGATE At least 3M	SEGREGATE At least 5M	DISCUSS WITH REGIONAL EHS MANAGER	DISCUSS WITH REGIONAL EHS MANAGER	DISCUSS WITH REGIONAL EHS MANAGER	MAY NOT BE COMPATIBLE CHECK SDS	DISCUSS WITH REGIONAL EHS MANAGER	DISCUSS WITH REGIONAL EHS MANAGER	SEGREGATE At least 3M
	5.2 ORGANIC PEROXIDE		DISCUSS WITH REGIONAL EHS MANAGER	DISCUSS WITH REGIONAL EHS MANAGER	DISCUSS WITH REGIONAL EHS MANAGER	DISCUSS WITH REGIONAL EHS MANAGER	DISCUSS WITH REGIONAL EHS MANAGER	DISCUSS WITH REGIONAL EHS MANAGER	DISCUSS WITH REGIONAL EHS MANAGER	DISCUSS WITH REGIONAL EHS MANAGER	DISCUSS WITH REGIONAL EHS MANAGER	DISCUSS WITH REGIONAL EHS MANAGER	DISCUSS WITH REGIONAL EHS MANAGER	SEGREGATE At least 3M
 TOXIC	6 TOXIC SUBSTANCES		DISCUSS WITH REGIONAL EHS MANAGER	DISCUSS WITH REGIONAL EHS MANAGER	DISCUSS WITH REGIONAL EHS MANAGER	DISCUSS WITH REGIONAL EHS MANAGER	DISCUSS WITH REGIONAL EHS MANAGER	DISCUSS WITH REGIONAL EHS MANAGER	DISCUSS WITH REGIONAL EHS MANAGER	DISCUSS WITH REGIONAL EHS MANAGER	DISCUSS WITH REGIONAL EHS MANAGER	DISCUSS WITH REGIONAL EHS MANAGER	DISCUSS WITH REGIONAL EHS MANAGER	SEGREGATE At least 5M
 CORROSIVE	8 CORROSIVE SUBSTANCES		SEGREGATE At least 5M	SEGREGATE At least 5M	SEGREGATE At least 5M	SEGREGATE At least 5M	SEGREGATE At least 3M	MAY NOT BE COMPATIBLE CHECK SDS	DISCUSS WITH REGIONAL EHS MANAGER	DISCUSS WITH REGIONAL EHS MANAGER	SEGREGATE At least 3M	SEGREGATE At least 3M	SEGREGATE At least 5M	MAY NOT BE COMPATIBLE CHECK SDS

*NOTES: i) This chart must be read in conjunction with the Lendlease Building Hazardous Substances and Dangerous Goods Management Procedure. ii) Refer to the SDS for all HSDG and other products, substances, materials or articles used or stored on site. iii) Segregated means isolated from each other within the store. Distances shown above are a guide only. iv) Class 4.2, 4.3, 5.2 and 8 substances should NOT be stored or used on site without Regional EHS Manager review. v) Subsidiary-risk class needs to be considered when determining storage requirements and assessing compatibility.