ENVIRONMENTAL MANAGEMENT PLAN

EXAMPLE ONLY PROJECT SPECIFIC

ISO 45001 ISO 14001 ISO 9001

ENVIRONMENTAL MANAGEMENT PLAN

Document Owner(s)	Project/Organisation Role
Gerard Breen	Director

Version Control

Version	Date Created	Author	Review	Change Description
1.0	05.01.2021	Hanna Beere	David Evans	New Project
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External Distribution List

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1.0 INTRODUCTION

1.1 Overview

NTEX is a leading civil contractor and demolition company. Within these projects, NTEX collects and transports to appropriate disposal sites hazardous materials and wastes.

1.2 Objectives

The objectives of this Environmental Management Plan (EMP) are to:

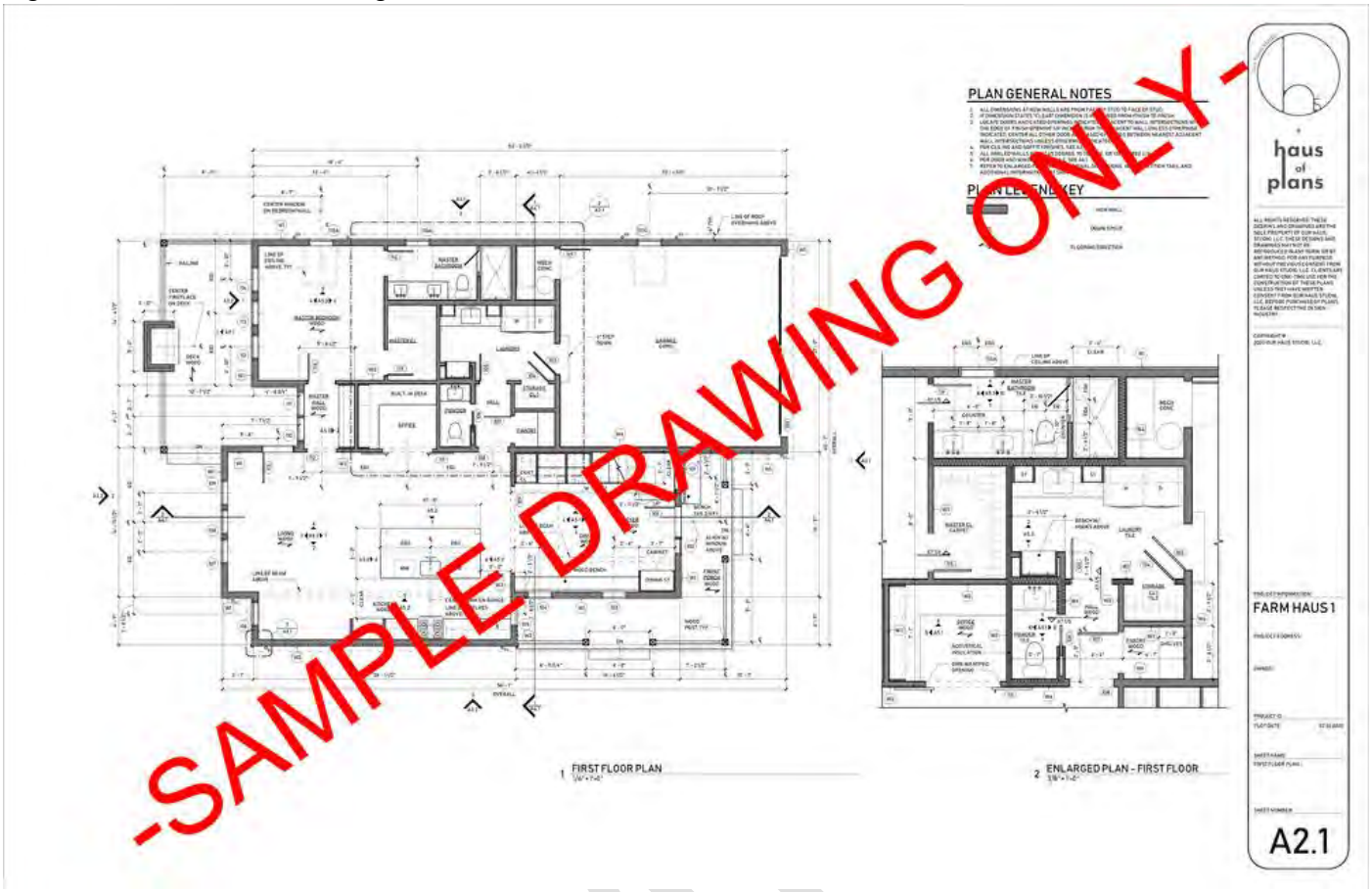
- Work in conjunction with NTEX Environmental Management System V4 – NTEX-HSEQ-ENV-000
- Provide a summary of known environmental site conditions deemed relevant to the future construction and establishment of the re-development of the site; and
- Provide a range of environmental control plans to manage potential risks associated with the current environmental conditions at the site. The controls will ensure that significant adverse impact on the environment, the health of the site workers and neighbouring users can be mitigated during the proposed construction phase.

1.3 The Site

Proposed site and Map below.

Figure 1 Site Location
Source Google Maps 07/01/2021

Figure 2 Contract Drawing



1.4 Works involved

NTEX to list scope.

The demolition of all existing structures and services from the site including:

1. Grandstand Building,
2. Main Entry,
3. Ticket Office,
4. Kiosk,
5. Eastern Change Rooms,
6. Club House,
7. Toilets
8. Scoreboard,
9. Hydraulic Services,
10. Electrical Services,
11. Telecommunications Services,
12. Fallen/falling trees,
13. Fences and signs
14. Paving,
15. Hydraulic Services (except PWC easements),
16. Electrical Services (except electrical cable servicing Optus Tower and electrical PWC easements),
17. Telecommunications Services (except Optus Telecommunication Tower)
18. Removal of the concrete stockpile, situated to the North of the playing field
19. Removal of Low / Null value trees identified in the March 2020 tree survey.

New work required to leave the site in a tidy, easy to maintain fashion includes:

1. Grade and level the existing site to achieve suitable falls to stormwater and easy to mow,
2. Supply and install Hydromoulch to the areas affected by demolition.

Feature survey to be done after demolition is complete.

2.0 STRUCTURE OF REPORT

2.1 EMP Philosophy

This document presents the framework for delivering the Environmental Management Plans to be implemented during the demolition of Richardson Park. The document is intended to describe the potential environmental impacts from the works, as well as outline the required management measures by considering the site-specific conditions.

The EMP includes the following:

- Procedures to ensure that no significant adverse environmental impacts occur because of the works;
- Proposed monitoring systems to ensure no adverse environmental impacts occur;
- Identification of possible risks of operational failure and response measures to be implemented; and
- Day to day management requirements for the ongoing operation of the site.

Consequently, with respect to the above conditions and considering the general philosophies of environmental management, the objectives of this EMP are as follows:

- To identify the relevant legislative requirements applicable to the works
- To document issue-specific environmental management measures (controls) sufficient to meet the requirements of the environmental assessment process;
- To provide a clear guidance so that design and operation minimises any potential environmental impacts;
- To present a clear framework for effective management of protection measures during demolition activities for the project and ongoing use of the site;
- To assign clear and appropriate responsibilities for the implementing of specific environmental measures;
- To develop site-specific criteria and monitoring requirements for the measurement and on-going assessment of performance;
- To enable the development of issue-specific Environmental Control Plans (ECPs) for the implementation of this EMP;
- To identify and record commitments to ongoing environmental responsibility; and
- To identify post demolition commitments to be followed during the operation of the site.

2.2 Applicable Environmental Legislation, Approvals, Licensing and Permits

SITE SPECIFIC

A Environmental Risk Assessment Report was performed for the Richardson Park Redevelopment Project:

EcOz Environmental Consultants (EcOz) were engaged by the Northern Territory Government (NTG) Department of Infrastructure, Planning and Logistics (DIPL) to prepare the Environmental Risk Assessment report in relation to the proposed redevelopment of the recreational facilities at the Richardson Park sporting complex (the project).

The purpose of this environmental risk assessment report is to identify the key environmental issues associated with the project, and to determine if the project is required to be referred to the NT Environmental Protection Authority (NT EPA) for consideration under section 48 of the *Environmental Protection Act 2019*.

This document has been prepared with reference to the guideline documents *'NT EPA Environmental factors and objectives: Environmental impact assessment guidance*' and *'Referring a Proposed Action to the NT EPA: Environmental impact assessment guidance for proponents'*.

The environmental risk assessment identified the high level environmental risks of concern as being contaminated soil, contaminated water, dust emissions and incorrect disposal of Potential Asbestos Containing Materials (PACM) from demolition works.

The overall result of the environmental risk assessment determined that the high level environmental risks can be adequately lowered to a low level of environmental risk by the implementation of mitigation measures managed under a Contractor Environmental Management Plan (CEMP).

DIPL have sought approval for the future works within the Richardson Park redevelopment from the Aboriginal Areas Protection Authority.

Approval certificate number: 20190527-201906386

Within DIPL's Environmental Risk Assessment Report for the Richardson Park Redevelopment Project no Heritage listed infrastructure has been listed. However, NTEX will still follow NTEX-HSEQ-DOC-017 Heritage and Archaeological Management Plan should an unidentified find be located.

As per 3.2.3 Heritage Listed Infrastructure from the ERA:

No heritage listed sites under the *Heritage Act 2011* are within the project area. An application to nominate Richardson Park to the NT Heritage Register, was lodged in July 2019, by residents of Ludmilla and surrounding Darwin suburbs. On May 7, 2020, a Statement on the Richardson Park Heritage Decision was released by the NTG, and declared that the decision had been made not to declare Richardson Park as a heritage place in accordance with section 32 of the *Heritage Act 2011*. The decision stated:
Richardson Park is a significant community site that has long provided recreation opportunities for the community and we will continue to work towards providing a better space for all to enjoy. The facilities are in a state of disrepair and require significant upgrades to meet current standards to rejuvenate and activate the space.
DETAILS WITHIN Table 4-1. Environmental Factors and Potential impacts relevant to the proposed action. (Page 21)

NTEX put in the Notification of Demolition to NT WorkSafe on the 6/01/2021. Approval was sent the same day.

Notification: 2021NOW00003

Please see APPENDIX D: NTEX Notification to NT Worksafe Permit Number 2021NOW00003

Asbestos Solutions NT put in Notification to remove asbestos materials on the 8/01/2021. Notification and Approval number: 2021NOW00008

Please see APPENDIX E: ASBESTOS SOLUTIONS Notification to NT WorkSafe Permit Number 2021NOW00008

Electrical subcontractor to apply through Power and Water for the decommissioning of the Power to Richardson Park out of substation 2360.

Plumbing will be liaised directly with Power and Water for engineering requirements and permits for the disconnection and removal of the redundant sewer system. As the water meter is to remain a temporary fitting will be placed on the meter side of the water main to use for dust suppression methods.

Key legislation relevant to the Demolition of Richardson Park is provided in APPENDIX A: Relevant Legislation

2.3 Structure of the EMP

The key objective of the EMP will be to identify environmental issues / aspects and management measures relevant to the demolition works of Richardson Park and outline the required management measures considering the site-specific conditions.

Selection of adequate control measures relevant to identified environmental issues/ aspects are presented in aspect-specific Environmental Control Plans (ECPs) in Section 5 of this EMP. Processes and responsibilities to implement the Environmental Control Plans are presented in Section 3.

The EMP has been designed to allow for the identification and acknowledgement of environmental issues that must be considered during the project. Whilst most of the Environmental Control Plans presented are considered sufficient control documents, stand-alone management plans may be required to provide greater detail and strategy for the identified environmental issue. Each Environmental Control Plan acts to identify the relevant issues and actions to prevent environmental harm. In addition to identifying the issues and management actions, measures to assess the implementation and on-going management of such environmental controls have also been presented to allow a qualitative and adaptable assessment of the process.

An industry accepted practice approach is to be adopted in the development of all management plans (if required) and where specific objectives or

performance criteria have not been identified in relation to any potentially harmful environmental risk, or the risk has not been foreseen by the EMP, then best practice controls should be adopted. An overview of the environmental management system hierarchy is provided in figure 5.

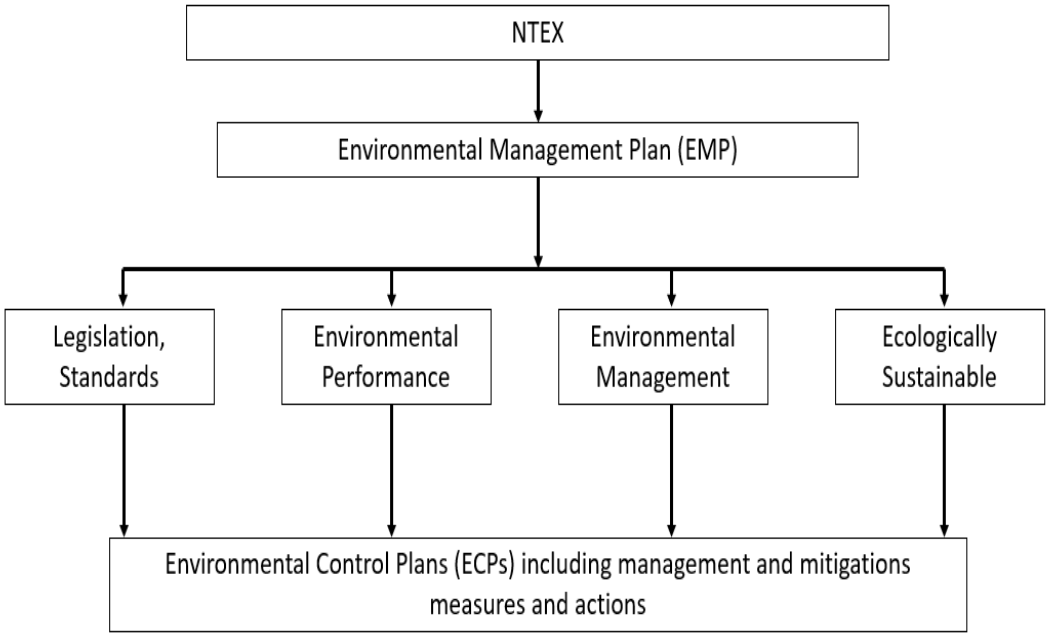


Figure 5 Environmental Management System Hierarchy

2.4 Environmental Management Plan Requirements

All works undertaken at the site shall be completed in accordance with the EMP and associated project specific Environmental Control Plans (ECPs). NTEX will be responsible for the implementation and management of the EMP in order to manage the environmental risks associated with all activities at the site during the works. Any other environmental issues identified during the works must be addressed and management measures developed in consultation with the Principal and NTEX. Should additional environmental aspects and subsequent management measures be identified they are to be appended to this EMP.

3.0 MANAGEMENT OF THE EMP

3.1 Roles and Responsibilities

The following is an overview of the key roles and responsibilities during the works conducted in relation to the project:

Site Principal – NT Government, represented by the DIPL representative. responsible for ensuring the EMP is put into action and ensuring the Primary Contractor fulfil their responsibilities.

Primary Contractor – NTEX. Responsible for the implementation and management of the EMP to manage the environmental risks associated with all activities at the site during the works.

Operations Manager – David Evans. Responsible for the overall success and reporting of the project works;

Site Manager – Gerry Breen. Responsible for ensuring the EMP is implemented onsite and ensuring the contractor, subcontractors fulfil their responsibilities under the EMP.

Environmental Consultant – Trakondy Asbestos and Hazardous Materials Pty Ltd. Responsible for hazards material testing and clearances of the works.

Key contact details are presented in Table 1 and responsibilities for each component of the EMP are presented in their applicable sections.

Table 1 Key Contacts

Title	Name	Phone	Email
Principal – DIPL			
Environmental Consultant – Trakondy Asbestos and Hazardous Materials Pty Ltd	Mark Kondakov	0400 260 483	mark.kondakov@outlook.com
Primary Contractor – NTEX	David Evans	0499 416 275	operations@ognt.com.au
Site Manager - NTEX	Gerry Breen	0428 136 075	ntex@ognt.com.au

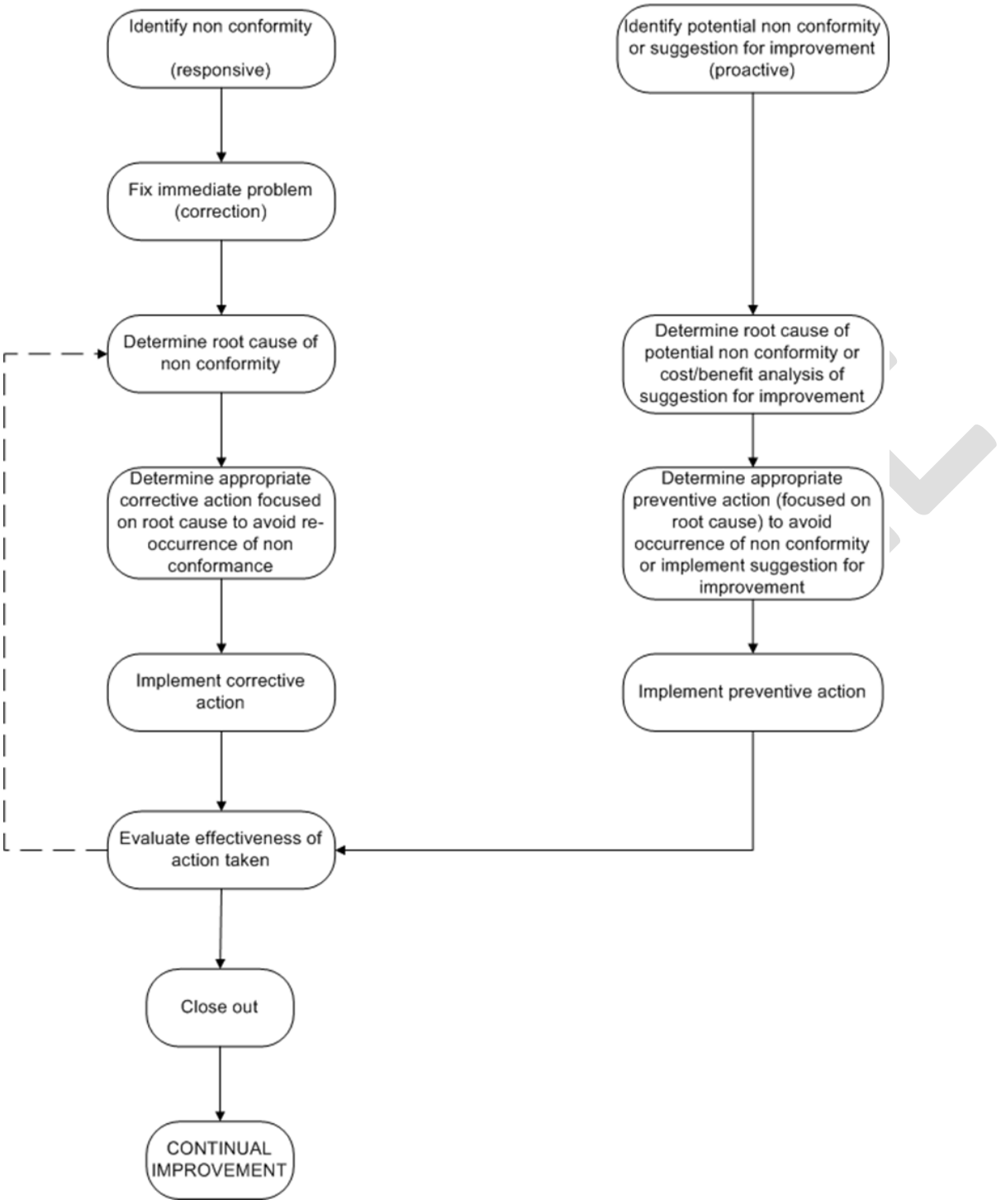
3.2 Induction, Training and Awareness

All personnel are responsible for compliance with the EMP and environmental objectives. All personnel will be inducted by the Primary Contractor under this plan, prior to accessing the site. Through the induction process and through other ongoing methods, all project personnel will be made aware of the requirements of the EMP. Additional requirements may include prestart and toolbox meetings, safety inspections and environmental checks undertaken at varying frequencies.

3.3 Inspection and Auditing

The Primary Contractor will implement an inspection program during the works to assess compliance with the EMP and other regulatory requirements. An inspection program may include inspections, observations, internal and external environmental compliance audits. The findings of the inspections will be reviewed by the Principal and/or superintendent, along with any recommendations for variation to the EMP which might arise as a consequence of the inspection process. This will be in the form of the Site Inspection Checklist – NTEX-HSEQ-SAF-071 that is performed daily for the duration of the project.

3.4 Non-conformance and corrective action measures



The above flowchart illustrates the organisation's process for identifying actual and potential environmental nonconformity, recording suggestions for improvement to environmental management, taking appropriate action to correct nonconformity and mitigate environmental impact, taking corrective action to avoid recurrence of nonconformity and taking preventive action to avoid occurrence of nonconformity or implement a suggestion.

This process has the ultimate goal of driving continual improvement of the environmental management Plan.

Actual and potential nonconformity is identified and suggestions for improvement are made by the following means:

- Internal audit.
- External audit.
- Site inspections.
- Feedback from external parties.
- Complaints from customers or other stakeholders.
- Suggestions for improvement from employees and contractors.
- Occurrence of environmental emergencies and accidents.
- Testing of emergency preparedness and response.
- Management review.

The environmental co-ordinator is responsible for maintaining a Register of Environmental Nonconformity and Suggestions for Improvement to Environmental Management. Each record in this register is given a Corrective and Preventive Action Number (CPA No.) and is associated with a Corrective and Preventive Action Form used to analyse nonconformity and suggestions for improvement and manage action taken. The Corrective and Preventive Action Form provides for the following:

- The taking of immediate action to correct the nonconformity (i.e. correction) and mitigate environmental impact.
- Root cause analysis of actual nonconformity.
- The taking of corrective action addressing the root cause to avoid recurrence of nonconformity, or the taking of preventive action to avoid occurrence of nonconformity or implement a suggestion for improvement.
- Evaluation of the effectiveness of the action taken.
- Close out.
- Corrective and preventive action often requires changes to environmental Plan documentation. In such cases, this process feeds into the process for control of documents.

The environmental co-ordinator is responsible for reporting on the status of corrective and preventive action in management reviews.

Corrective and preventative action report (CAPAR)

NTEX-HSEQ-Q&A-010

Type	☐ Client Complaint	☐ External	☐ Internal
	☐ Quality	☐ Safety	☐ Environment
CAPAR Number:			
Raised by:		**Date:**	
Document number / Item for Corrective action:			
Details of the Non-Conformance (Describe the non-conformance i.e. what happened)			
Cause of the Non-Conformance (Describe the contributing factors, conditions, equipment, systems, root cause analysis)			
Agreed Corrective / Preventative Action (Identify what changes need to be made to prevent future occurrences)			
Effectiveness of actions detailed above (Set timescales for follow up and detail findings below)			

To be Completed By:		**Date:**	
Corrective Action Completed by:		**Due Date:**	
Reviewed by QA Committee / Management:		**Date:**	
Verified as effective by QA Committee/ Management:		**Due Date**	

3.5 Monitoring and Reporting

Monitoring records

The records of any monitoring as required by and / or for any approvals, licenses or conditions for the demolition phase of the program must be:

- In a legible form;
- Kept for at least 4 years after the monitoring or event to which they relate/ took place; and
- Be available upon request to any authorised person.

The following minimum records will be kept in regard to any monitoring / sampling activity:

- The following minimum records will be kept in regard to any monitoring/ sampling activity:
- The nature of the monitoring and how it relates to the EMP (i.e. which ECP is relevant to the monitoring event);
- The date(s) on which the monitoring was taken;
- The time(s) at which the monitoring was collected;
- The point at which the monitoring was taken; and
- The name of the person who conducted the sample.

Follow up action

Where adherence to the requirements in this document are found to be unsatisfactory in achieving broader environmental and site management goals, action will be taken to investigate the cause and make amendments to the Environmental Management Plan as required.

Reporting

Where monitoring requirements are stipulated in the ECPs, appropriate reporting (and bookkeeping) must be presented following such events.

3.6 Implementation and Operation

3.6.1 Communications

The primary point of contact for all environmental issues/ incidents/ reporting in relation to the EMP is the Contractor's Representative.

It is the responsibility of the Environment, Health and Safety Officer for each of the Contractors to maintain communication and consistency of approach between parties on the development site relating to the relevant environmental issues.

The Department of Infrastructure, Planning and Logistics is responsible for the Media liaisons with the public regarding the media releases and progress and development for the duration of the project. For all of the adjoining neighbours of the park and Ludmilla residents a letter drop and door knock will be done to assure and enable a direct line to NTEX for any concerns or reports for the duration of the project.

Please see APPENDIX G: DIPL Stakeholder Update

APPENDIX H: NTEX – Notification to Residents

3.5.2 Incident Reporting

In addition to the reporting requirements detailed above, the Contractor's Representative shall advise the Principal verbally as soon as practical, of any environmental incident or accident. This verbal report must be supported by a written notification of the incident within 24 hours of the occurrence. An hazard report form is included in Appendix B along with a incident investigation form – APPENDIX I. All incidents and hazards are recorded within each relevant register within the NTEX system and a CAPAR is followed if necessary.

3.5.3 External Authorities

In the event of an environmental incident that may (or has) caused environmental nuisance or harm, the Contractor's Representative shall also notify the regulator (NT EPA) as soon as possible and within 24 hours of the incident.

3.5.4 Complaints Procedures

The Contractor's Representative will keep a legible record of all complaints received in relation to the services conducted as part of the operation. The record will include details of the following:

- The date and time of the complaint;
- The method by which the complaint was made;
- Any personal details of the complainant;
- The nature of the complaint; and details provided, a note to that effect; and

If no action was taken by the contractor, the reasons why no action was taken.

3.6 Emergency Response

The Contractors Representative must have an Emergency Management Plan for the accounting and management of personnel during emergencies and managing the emergency to minimise risk to personnel, plant, the public and the environment. Please refer to ATTACHMENT F NTEX-HSEQDOC-078 Emergency Management Plan

The Emergency Response Plan shall contain at least:

- Emergency procedures;
- Emergency contact names (including the Chief Warden) and phone numbers, both internal and external;
- Emergency preparedness checklist;
- Emergency assembly areas;
- Emergency site plan;
- Responsibilities before/ after an emergency; and
- Immediate actions in response to specific threats (fire, spill etc.).

3.6.1 Emergency Procedures

The Emergency Response Plan shall identify likely and potential emergency situations for the site and procedures to minimise the likelihood of those events occurring.

The procedures should also provide direction for personnel on how to:

- React in an emergency;
- Account for all site personnel;
- Remove site personnel from danger to assembly areas;
- Contact emergency services;
- Contact environmental authorities where required;
- Mitigate the possible environmental impacts of emergency situations; and
- Deal with specific emergencies likely to occur at the site (e.g. product spills).

Please refer to ATTACHMENT H NTEX-HSEQ-SAF-105 Emergency management Procedure.

3.6.2 Emergency Preparedness Checklist

An emergency preparedness checklist to verify maintenance status and availability of all emergency equipment and management systems shall be completed each month and corrective action taken to remedy any deficiencies or potential hazards that may have been found.

3.6.3 Emergency Assembly Areas

The emergency assembly point will be located at the main entrance onto site.

Staff shall remain under the control of their Warden / Area Warden both prior to evacuation and whilst in the emergency assembly area. Re-entry to the site shall be strictly forbidden until authorised by the Chief Warden, Chief Fire Officer or the attending emergency authority.

3.6.4 Emergency Site Plan

A plan shall be developed clearly showing all buildings, plant, utilities, normal entrances and exits, the positioning of fire alarm points, firefighting equipment, dangerous goods storage areas, clean-up equipment (such as spill kits), warden areas and the location of emergency assembly areas. The emergency site plan shall be prominently positioned on notice boards and at other suitable locations around the site.

Figure 3 Emergency Evacuation Map

INSERT APPROPRIATE SITE EMERGENCY EVACUATION MAP FOR SITE

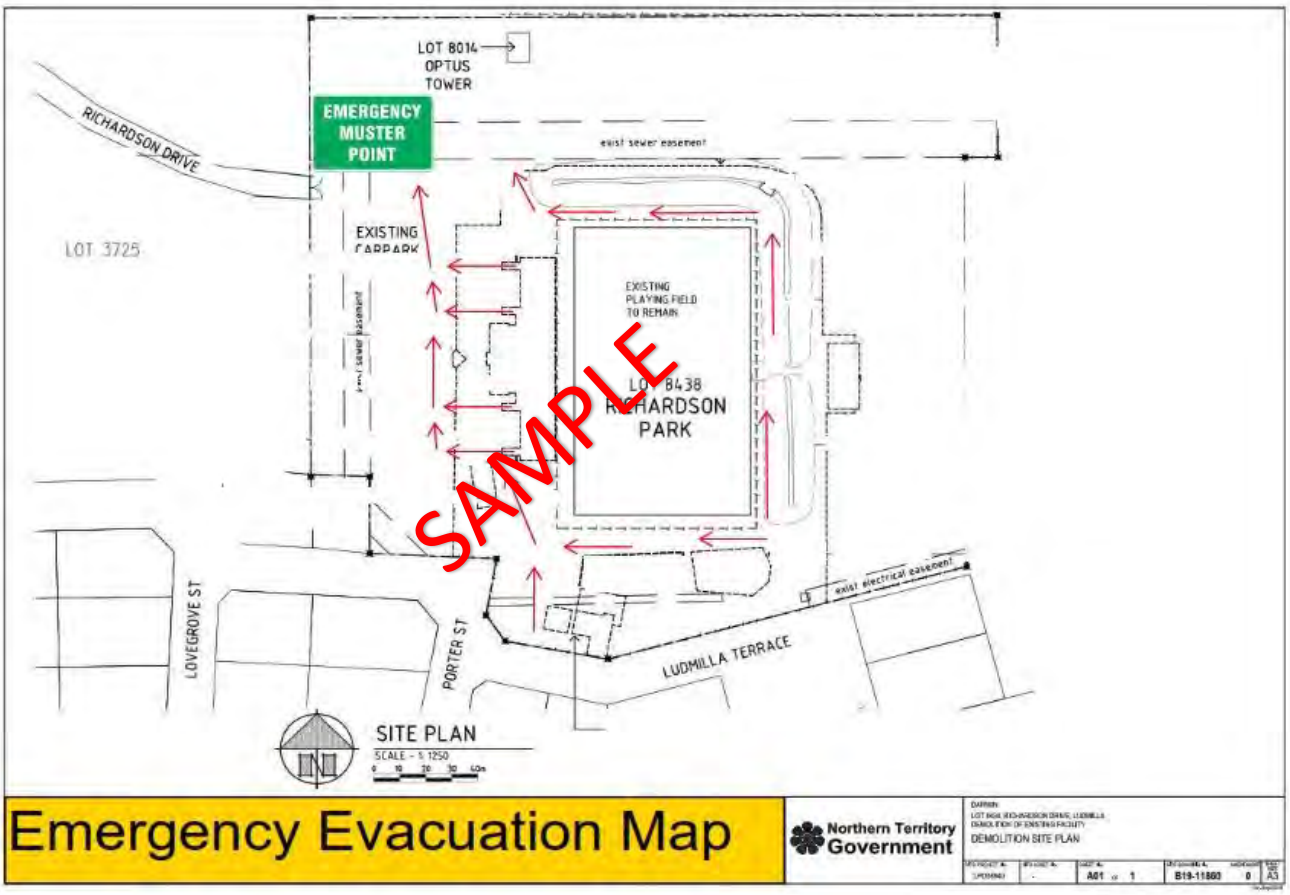
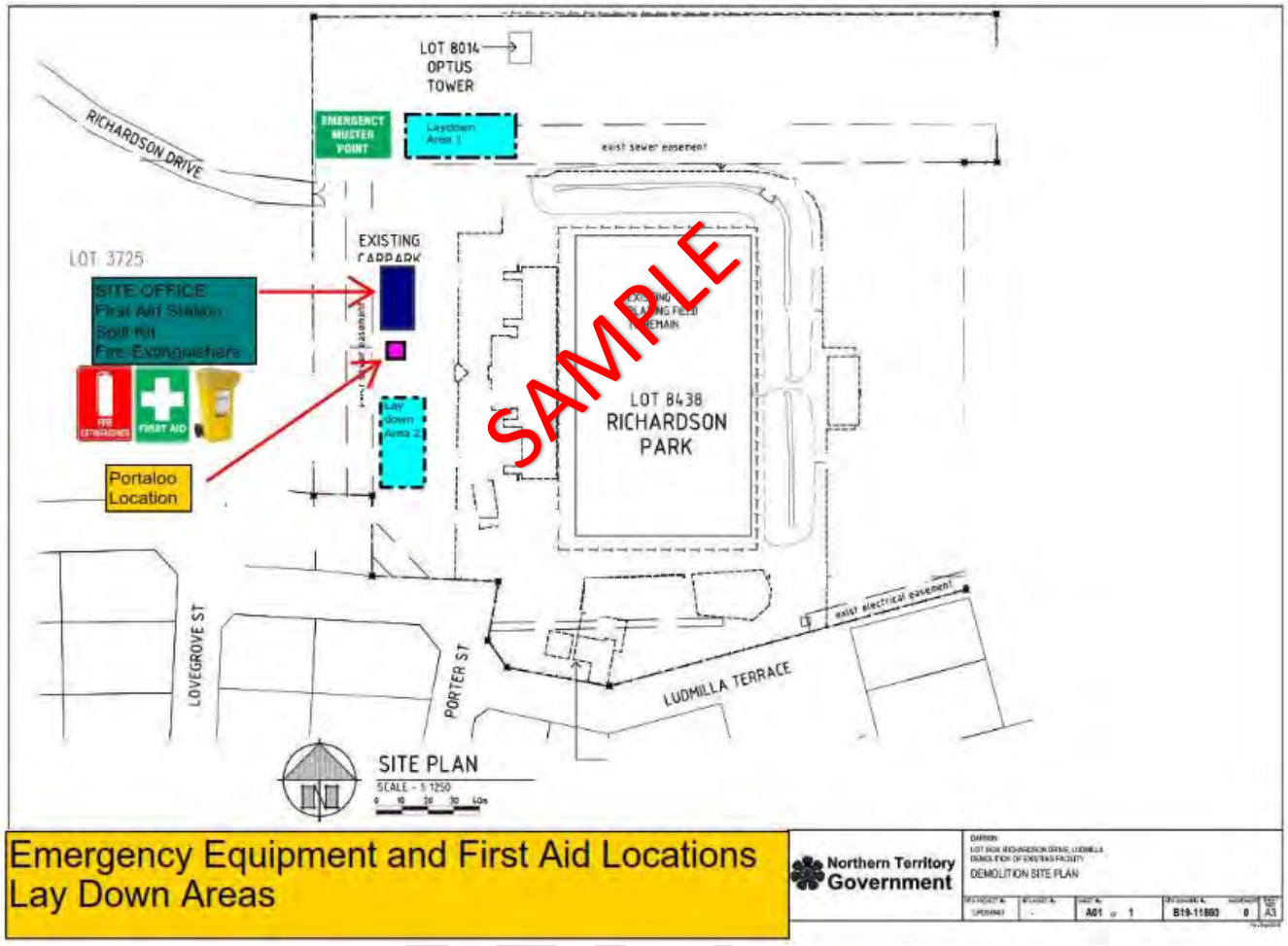


Figure 4 Site Office, First Aid, Laydown Area Locations

INSERT APPROPRIATE SITE OFFICE MAP FOR SITE



3.6.5 Training

All personnel shall be provided with induction, education and ongoing training so that they know their role and responsibilities in the event of an emergency.

Training shall be undertaken with nominated personnel on:

- How to search and account for people
- The immediate actions required of them in the event of an emergency, including carrying out nominated roles where assigned;
- How to raise the alarm; and
- The location of emergency assembly areas.

  and
- The position and use of fire fighting, clean up and communication equipment.

Records shall be kept of all personnel who attend training and the date of each training event.

3.6.6 Responsibilities

The Emergency Response Plan shall clearly identify that the Chief Warden is to act as the site controller during the emergency. Wardens/ Area Wardens to account for personnel in specified areas, to move these personnel to an assembly area nominated by the Chief Warden and to verify that specified areas have been cleared of personnel.

The Chief Warden has overall management of the emergency until the emergency services arrive. Depending on the scale of the site, designated communications and executive decision teams may also be required.

The construction contractor is responsible for the development, implementation and regular review of emergency preparedness and response

procedures. Roles and duties (e.g. Chief Warden, Area Warden, Warden, Communications Officer etc.) shall be clearly assigned and communicated to staff.

3.7 Document Control

Documentation resulting under this EMP, including, but not limited to correspondence (both incoming and outgoing), reports, licences/ permits and receipts/ certificates, are to be filed and easily retrievable.

Documentation, particularly reports, must provide details of revision/ version in order to avoid confusion and to ensure the appropriate revision/version is being used.

A formal register for updating the EMP will be maintained. All references made to the EMP in written form must also reference the revision / version identity. Similarly, for ECPs attached to the EMP and any additional plans developed under the EMP.

4.0 ENVIRONMENTAL RISK ASSESSMENT

4.1 Environmental Risk Assessment Approach

An assessment of areas of environmental risk was performed based on the proposed development, and risk rankings assigned based on Australian Standard requirements of Australian Standard AS 4360:2004 – Risk Management. The Qualitative Risk Assessment (QRA) is aimed at developing a qualitative assessment of potential impacts that may occur during the works.

The QRA matrix has been prepared in general accordance with Australian Standard AS 4360 Risk Management Guidelines, 2004 (AS4360-2004).

The likelihood of an event or issue arising is defined in Table 2.

Table 2 Likelihood Rating Scale

Rating/ DescriptionDescriptor		Likelihood of the Hazard
5	Almost Certain	The event is expected to occur in most circumstances
4	Likely	The event will probably occur in most circumstances
3	Possible	The event might occur at sometime
2	Unlikely	The event could occur at sometime
1	Rare	The event may only occur in exceptional circumstances

The list of consequences derived from this subjective analysis is shown in Table 3 Note, the consequences are ‘and/ or’ i.e. not all potential receptors need to be affected adversely.

Table 3 Consequence Rating Scale

Rating/ Description		Financial and Technical	Legal	Social	Environmental
5	**Catastrophic**	Extensive project stoppages Critical financial loss	Serious violation of legal requirements	National news coverage/ High Community reaction and impacts on wider community	Major offsite release and detrimental impact. Excessive consumption of resources and amount of waste generated; and/or
4	**Major**	High level of management required High financial loss	Moderate violation of legal requirement reuslting in prosecution and major fines	National news coverage/ High community reaction and impacts	Major offsite release with little detrimental impact Effect is reversible in less than 5 years High consumption of resources or amount of waste generated
3	**Moderate**	Product reclassification Onsite substance release – contained, clean-up without outside assistance Significant financial loss	Legal violation with limited fines and impact on operations	State news coverage Localised comminuty reaction and impact	Moderate pollution. On-site release contained with outiode help or minor offsite release with little or no effect. Effect can be recovered in less than 1 year; and/or Normal consumption of resources and waste generated
2	**Minor**	Low loss of function or utility Onsite substance release and contained with or without outside assistance Low financial loss	Legal requirements may be violated.	Minor media coverage/ minor impacts on local community	Minor pollution. On-site release contained immediately. Expect recovery in less than 1 week; and/or Low consumption of resources and waste generated
1	**Insignificant**	Procedural rather than functional concern Procedural review required Immediate work area clean-up Negligible financial loss	No legal requirements	No social impacts	Neglible pollution and impact. No detectable effect; and/or impact

The data from Tables 4 and 5 were used to define the risk associated with each site issue to give an overall risk rating (Table 5).

Table 4 Risk Rating Matrix

Likelihood Rating		Risk Score Matrix				
		Consequence Rating				
		Catastrophic (5)	Major (4)	Moderate (3)	Minor (2)	Insignificant (1)
Almost certain	**(5)**	Extreme (25)	Extreme (20)	High (15)	High (10)	Medium (5)
Likely	**(4)**	Extreme (20)	Extreme (16)	High (12)	Medium (8)	Medium (4)
Possible	**(3)**	High (15)	High (12)	High (9)	Medium (6)	Low (3)
Unlikely	**(2)**	High (10)	Medium (8)	Medium (6)	Low (4)	Low (2)
Rare	**(1)**	Medium (5)	Medium (4)	Low (3)	Low (2)	Low (1)

Table 5 presents a summary of the identified risk and the corresponding risk rating for the development of construction works.

Table 5 Residual Risk Rating

Aspects	Environmental risks	Initial Risk Rating	Management Actions	Responsible/Approving Authority	Residual Risk Rating
Soil erosion	Soil erosion/ sedimentation.	Medium	Compliance with Erosion and Sediment Management Plan	Primary Contractor / Principal	Low
Water quality	Adverse effects on the receiving marine environment of the water courses	Medium	Compliance with Erosion and Sediment Management Plan Compliance with Surface Water Control Plan Compliance with Hazardous Substances Dangerous Goods Management Plan	Primary Contractor / Principal	Low
Flora & Fauna (on-site)	Habitat disruption, adverse soil or surface water conditions and/or damage to trees	Medium	Compliance with Erosion and Sediment Management Plan Compliance with Surface Water / Stormwater Management Plan Compliance with Flora and Fauna Control Plan	Primary Contractor / Principal	Low
Flora & Fauna (off-site)	Habitat disruption, adverse soil or surface water conditions and/or damage to trees	Low	Compliance with Erosion and Sediment Management Plan Compliance with Surface Water Control Plan Compliance with Flora and Fauna Control Plan	Primary Contractor / Principal	Low
Weeds	Loss of biodiversity or increased fire risk due to weed infestations.	Medium	Compliance with Weed and Feral Animal Control Plan	Primary Contractor / Principal	Low
Control of feral animals	Impacts on native species	Low	Compliance with Weed and Feral Animal Control Plan	Primary Contractor / Principal	Low
Noise	Noise impacts for surrounding park users. Noise impacts to surrounding areas and fauna from construction activities.	Low	Compliance with Noise & Vibration Management Plan	Primary Contractor / Principal	Low
Dust / Air Quality	Wind erosion/dust – effect on visual amenity, and effect on vegetation. Dust generation from exposed soils can migrate to neighbouring environment.	Low	Compliance with the Air Quality Management Plan	Primary Contractor / Principal	Low
Aboriginal Heritage	Disturbance of Aboriginal archaeological artefacts during construction.	Low	Compliance with Cultural Heritage Management Plan	Primary Contractor / Principal	Low

5.0 ENVIRONMENTAL CONTROL PLANS

The key environmental issues/ aspects that will be considered for the proposed development are listed below:

- Erosion & Sediment Control;
- Surface Water;
- Flora and Fauna Protection;
- Feral Flora and Fauna Management;
- Hazardous Substances and Dangerous Goods Management Plan;
- Noise and vibration Management;
- Air Quality Management;
- Heritage and Archaeological Management Plan
- Incident and Safety Management
- Waste Management Plan
- Material Tracking

The aspect-specific environmental control and management plans are designed to address all components of each specific environmental issue. The tables are also intended to provide measures for assessment of performance of the application of measures outlined in the ECPs. Each environmental control plan requires the use of an activity checklist which is provided in APPENDIX C: Site inspection Checklist

Animal Management – as this is a working demolition project there will be no approvals sought to bringing on domesticated animals of any kind.

Effluent disposal management – There will be a portable toilet located on site for the duration of the works supplied by McMinn's pumping. This will be emptied on request by McMinn's pumping with all wastes disposed of correctly to approved sites

Surface water will be controlled by the installation of silt fencing around key points of the project.

1. Eastern block changerooms
2. Between the concrete stockpile area to the north to protect the Ludmilla Creek
3. To the south of Richardson drive on the eastern boundary between the site offices and laydown area.

The remaining of the site will be mowed as it has approximately 96% grass cover which NTEX will utilise to stabilise the top soil from run off. In addition, NTEX will use this grass as a natural sediment trap across this site for surface water runoff.

NTEX machinery movements around site will be strictly controlled to minimise damage to the established grassed area.

Any areas disturbed by demolition activities will be levelled as soon as practical after works are complete to minimise water pooling concentrated run off.

All disturbed areas will be monitored and if required additional control measures will be put in place.

E.G. silt fence, sumps, and or hydro mulching.

Fire – As this is an active demolition site there will be no applications for burning permits or fires on site. All dangerous goods will be stored in accordance with the NTEX-HSEQ-DOC-015 Hazardous Substances and Dangerous Goods management Plan. All demolished materials will be segregated on site periodically to minimise any risk with combustion.

Asbestos removal transport and disposal – Asbestos Solutions Pty Ltd operates under the EPA licence 269, within this NTEX is an approved transporter for the waste to the Shoal Bay waste Management Facillity. All notifications for dumping are to be given to the Shoal bay Waste Management Team with a minimum of 24 hours notice and the allotted time.

NTEX been approved from DIPL to transport and processed onsite the demolished concrete for the DIPL project T20-1653 MVR Inspection Test Sheds.

This request was approved on Tuesday the 12/01/2021

A test certificate to clarify that the concrete was free from hazardous contaminants. This certification was tested by Trakondy Asbestos and Hazardous Materials.

Please see the APPENDIX K: Haulage Route for Concrete from MVR site to Richardson Park.

The clearance certificate for the concrete is ATTACHMENT L P0102 Concrete Analysis – Motor Vehicle Registry Inspection Sheds.

5.1 Erosion and Sediment Management Plan (ESMP)

<table>
<tr><th colspan="3">Objectives</th></tr>
<tr><td colspan="3">Ensure all relevant contractors take appropriate measures consistent across the site and all phases of the development to prevent soil erosion or sedimentation.</td></tr>
<tr><th colspan="3">Environmental Risks</th></tr>
<tr><td colspan="3">Sediment deposition into water systems can adversely affect the health and biodiversity within the system.
Sediment deposition into water systems can clog waterways and diverts water movement.</td></tr>
<tr><td>Relevant Legislation, Standards, and Guidelines</td><td>Legislation
Water Act (NT)
Waste Management and Pollution Control Act (NT)
Guidelines, policies, and standards
Department of Environment and Natural Resources. 2006. Erosion and sediment control plan. Fact Sheet. Northern Territory Government, Darwin, NT.
Environment Protection and Biodiversity Conservation Act 1999</td><td>Department of Environment and Natural Resources 2019 Erosion and Sediment control guidelines (Technical Notes—various). Northern Territory Government, Darwin, NT.
International Erosion Control Association (IECA)—Australasia. 2008. Best practice erosion and sediment control. IECA, NSW.
National Environment Protection Council (NEPC). 1999. National Environment Protection (Assessment of Site Contamination) Measure.
Environment Protection (Water Quality) Policy 2015
NT Environmental Assessment Act 1982</td></tr>
<tr><th colspan="3">Management and Mitigation Measures</th></tr>
<tr><td colspan="2">Development of a design that minimises the area disturbed. In particular, the proposed demolition area. This approach significantly reduces the risk of water quality impacts to the surrounding water courses.
Maintaining ground cover or erosion resistant surfacing and implementation of silt fencing
Minimise/ prevent drainage onto or through construction sites.
Minimise sediment flow from construction site.
Maximise sediment retention on construction site.
Minimise the extent and duration of soil disturbance and clearing.
Minimise the extent of vehicles movements to and from site through careful planning</td><td>Maintain appropriate erosion and sediment control measures through construction and operational phases including keeping drainage paths clear, not concentrating flows and removing sediment build ups.
Maintaining ground cover or erosion resistant surfacing through construction and operational phases including promptly revegetating/ stabilising all exposed and/ or unstable soil surfaces.</td></tr>
<tr><th colspan="3">Performance Criteria</th></tr>
<tr><td colspan="3">No sediment accumulation around worksite
No unnecessary disturbance of soil or vegetation.
Erosion & sediment control plan checklist/ reporting maintained</td></tr>
</table>

Compliance Documentation	Timing	Responsibility	Approving Authority
Environmental Management Plan	Completed prior to the commencement of site works.	Primary Contractor	Principal
Activity checklist	Prior to undertaking erosion and sediment related activities.	Primary Contractor	Principal

Please see ATTACHEMENT K – NTEX-HSEQ-DOC-021 Erosion and Sedimentation Management Plan

Please see APPENDIX F for Sedimentation control locations.

5.2 Surface Water (SWCP)

Objectives		
Ensure all contractors take appropriate measures consistent across the site and all phases of the development to prevent impacts to the environment.		
Environmental Risks		
The generation of acidic water discharge into the receiving environment of the Richardson Park Accidental spillage of chemicals during site works entering water system.		
Relevant Legislation, Standards, and Guidelines	• Water Act (NT) • Waste management and Pollution Control Act (NT)	• NHMRC 2010 Recreational Waters • NEPM 1999 (amended 2013) • NT Fisheries Act 1988

Management and Mitigation Measures	
Careful planning of works to minimise vehicle movements Compliance with an Erosion & Sediment Control Plan for activities which are likely to expose soils/ sediments to surface water Minimise/ prevent drainage through site.	Minimise the potential for fuel or oils to enter environment. All machinery onsite should be regularly checked for leaks and any maintenance will be done within a designated area of the site (e.g. the Laydown area located away from the crossing). Any soils impacted by leaks or spills should be excavated immediately to prevent contamination entering the environment.

Compliance Documentation	**Timing**	**Responsibility**	**Approving Authority**
Environmental Management Plan	Completed prior to the commencement of site works.	Primary Contractor	Principal
Surface Water Control Plan	Completed prior to the commencement of site works.	Primary Contractor	Principal
Erosion and Sediment Control Plan	Completed prior to the commencement of site works.	Primary Contractor	Principal
Activity checklist	Prior to undertaking activities which might affect surface water or stormwater	Primary Contractor	Principal

The Surface water detailed management plan is included within the ATTACHEMENT K – NTEX-HSEQ-DOC-021 Erosion and Sedimentation Management Plan

5.3 Flora and Fauna Control Plan (FFCP)

Objectives		
Ensure all contractors take appropriate measures to minimise impact to flora and fauna at the site and surrounding area.		
Environmental Risks		
Fauna deaths associated with construction works, including nesting birds, lizards and small mammals. Risk to health of site workers and local community in relation to diseases carried by mosquitoes. Consider clearance / damage to ecologically and culturally sensitive flora		Impacts from terrestrial discharges, in particular the migration of contaminants, has the potential to impact the Richardson Park creek environment and the greater Darwin waterways
Relevant Legislation, Standards, and Guidelines	• Native Vegetation Act 1991 • National Parks and Wildlife Act 1972 • Territory Parks and Wildlife Conservation Act 2014	• Environment Protection and Biodiversity Conservation Act 1999
Management and Mitigation Measures		
Under the contract only identified trees will be removed, clearing or removing of native vegetation must be avoided. Maintaining appropriate soil, surface water and groundwater conditions adjacent to any trees to be retained		Implement appropriate erosion and sediment control measures to protect receiving environment Maintain appropriate water quality for shallow groundwater and surface water affecting vegetation Engagement of qualified Arborist
Performance Assessment Criteria		
No clearing or disturbance of vegetation or land outside the construction site or within areas to be retained. No introduction of new noxious weed species or feral animals. Report any fauna kills (including fish and birds) or significant flora damage to Principal within 24 hours. Monitor construction activities to ensure clearances do not extend beyond approved areas.		

Compliance Documentation	**Timing**	**Responsibility**	**Approving Authority**
Environmental Management Plan	Completed prior to the commencement of site works.	Primary Contractor	Principal
Flora and Fauna Control Plan	Completed prior to the commencement of site works.	Primary Contractor	Principal
Erosion and Sediment Control Plan	Completed prior to the commencement of site works.	Primary Contractor	Principal
Surface Water Control Plan	Completed prior to the commencement of site works.	Primary Contractor	Principal
Approval to clear vegetation (if required)	Completed prior to the commencement of site works.	Primary Contractor	Principal
Activity checklist	Prior to undertaking activities which may impacted flora and fauna	Primary Contractor	Principal

5.4 Weeds and Feral Animal Control Plan (WFACP)

Objectives			
Activities are to be undertaken to prevent the infestation of weeds and/ or pests. This includes ensuring appropriate controls are implemented to prevent the spread of weeds and breeding of feral animals.			
Environmental Risks			
Introduction of weed species via machinery, equipment and workers.		Introduction of exotic biota via machinery, equipment and workers	
Relevant Legislation, Standards, and Guidelines	• Natural Resources Management Act 2004 • NT Weed Management Act 2001	• Native Vegetation Act 1991 • Environment Protection and Biodiversity Conservation Act 1999	
Management and Mitigation Measures			
The spread of weeds (including declared plants under the NRM Act) is to be managed onsite. This may include inspecting machinery and vehicles prior to entering site. Weed and Seed Certificate NTEX-HSEQ-ENV-014		Maintain housekeeping around the site, including removal of waste and food scraps, to prevent the establishment of feral animals.	
Performance Assessment Criteria			
No introduction of exotic weed species or feral animals. All vehicles to be inspected prior to accessing the works area and thoroughly cleaned No spread of existing weed species. Ground maintenance procedures are to be documented and designed to manage the spread of weeds and ensure the protection of valuable vegetation and communities. Monitor construction activities to ensure clearances do not extend beyond approved areas.			
Compliance Documentation	**Timing**	**Responsibility**	**Approving Authority**
Environmental Management Plan	Completed prior to the commencement of site works.	Primary Contractor	Principal
Weeds and Feral Animal Control Plan	Completed prior to the commencement of site works.	Primary Contractor	Principal
Activity checklist	Prior to undertaking activities which may impacted flora and fauna	Primary Contractor	Principal

5.5 Hazardous Substances and Dangerous Goods Management Plan (HSDGMP)

Objectives		
Ensure all relevant contractors take appropriate measures to prevent contamination to soil and surface water and to prevent incidents/ near misses relating to human health issues.		
Environmental Risks		
Spillage of dangerous goods (e.g. fuels) may impact the surrounding environment. Improper handling and use can create fire risk.		Health and Safety implications of dangerous goods storage and management must be considered.
Relevant Legislation, Standards, and Guidelines	• Dangerous Substances Act 1979 • NT Dangerous Goods Act 1998	• Waste Management and Pollution Control Act 1994
Management and Mitigation Measures		
Prevent spillages of dangerous goods (i.e. fuels). All machinery onsite should be well maintained and checked for fuel or oil leaks.		Spill kits to be kept onsite or with earth moving machinery. Dangerous goods, including fuel and chemicals, should be stored appropriately (e.g. in bunded areas). Fire extinguisher to be kept nearby. All storage to occur in the Laydown area
Performance Assessment Criteria		
Compliance with Dangerous Goods legislation. Storage areas for Dangerous Goods will be compliant with the relevant legislation. The location of storage areas will not be within 20 metres of any areas of concentrated water flow, flood and poorly drained areas, on steep slopes or near any areas of native vegetation. Spill kits available onsite. Dangerous goods site plan available onsite, including emergency response.		

Compliance Documentation	**Timing**	**Responsibility**	**Approving Authority**
Environmental Management Plan	Completed prior to the commencement of site works.	Primary Contractor	Principal
Dangerous Goods Control Plan	Completed prior to the commencement of site works.	Primary Contractor	Principal
Activity checklist	Prior to storage of dangerous goods onsite. Prior to commencement of site preparation works.	Primary Contractor	Principal

Please see ATTACHMENT B – NTEX-HSEQ-DOC-015 Hazardous Substances Dangerous Goods management plan

Please see ATTACHMENT I – ASBESTOS SOLUTIONS – Asbestos Removal Control Plan

5.6 Noise and Vibration Management Plan (NVMP)

Objectives			
Generation of noise and vibration during activities on site are to be minimised as much as practical with consideration to surrounding users and the environment.			
Environmental Risks			
Construction noise and vibration may impact on other land users and fauna.			
Relevant Legislation, Standards, and Guidelines	NT Waste Management and Pollution Control Act 1998		
Management and Mitigation Measures			
Generation of noise and vibration during activities on site are to be minimised as much as practical with consideration to surrounding users and the environment. Building closest to the school are to be removed prior the end of school holidays.		Recognise, minimise and manage recurring complaints about noise/vibration from surrounding users and reduce adverse impacts to sensitive receptors in the nearby environments as much as is possible.	
Performance Assessment Criteria			
Appropriate site strategies/ controls are to be implemented for noisy construction activities to minimise human health impacts and nuisance noise to surrounding users.			
Compliance Documentation	**Timing**	**Responsibility**	**Approving Authority**
Noise and Vibration Control Plan	Completed prior to the commencement of site works.	Primary Contractor	Principal
Environmental Management Plan	Completed prior to the commencement of site works.	Primary Contractor	Principal
Activity checklist	Prior to commencement of site preparation works.	Primary Contractor	Principal

Please see ATTACHMENT C – NTEX-HSEQ-DOC-016 Noise and Vibration Management Plan

5.7 Air Quality Management Plan (AQMP)

Objectives		
Ensure appropriate measures are implemented by all contractors to ensure air emissions are minimised as much as practical.		
Environmental Risks		
Wind erosion / dust – effect on visual amenity, effect on vegetation.		
Relevant Legislation, Standards, and Guidelines	• National Environment Protection (Ambient Air) Measure 2003	• National Environment Protection (Diesel Fuel Emissions) 2001 • NT Waste Management and Pollution Control Act 1998
Management and Mitigation Measures		
Minimise smoke, dust and odour emissions from proposed demolition works. Covering of stockpiles as required Dust suppression as required Use of water misting machine to capture air born dust partials during demolition phases.		
Performance Assessment Criteria		
All works comply with the National Environment Protection (Ambient Air) Measure 2003 and National Environment Protection (Diesel Fuel Emissions) 2001. No visible dust clouds passing beyond the construction site boundary caused by construction activities. No unmanaged exposed soils that may generate dust clouds during the construction phase.		

Compliance Documentation	Timing	Responsibility	Approving Authority
Air Quality Control Plan	Completed prior to the commencement of site works.	Primary Contractor	Principal
Environmental Management Plan	Completed prior to the commencement of site works.	Primary Contractor	Principal
Activity checklist	Prior to commencement of site preparation works.	Primary Contractor	Principal

Please see ATTACHMENT D – NTEX-HSEQ-DOC-011 Air Quality Management plan

5.8 Heritage and Archaeological Plan

Objectives		
Protect potential areas of cultural significance within the site area in a way that preserves them for future generations and respects Aboriginal cultural heritage.		
Relevant Legislation, Standards, and Guidelines	• NT Aboriginal Sacred Sites Act 1989 • Aboriginal and Torres Strait Islander Heritage Protection Act 1984 • Native Title Act 1993	• Aboriginal Lands Rights (Northern Territory) Act 1976 • Cultural Heritage Guidelines 1999
Management and Mitigation Measures		
Protection of indigenous heritage sites. Reporting and cease work in the event of encountering suspected items of heritage value. Comply with protocols in the event of uncovering artefacts.		
Performance Assessment Criteria		
No known or suspected Aboriginal and non-indigenous heritage areas or objects will be disturbed by the works. Should any item be encountered which is suspected to be a relic of heritage value or any relic, artefact or material suspected of being of Aboriginal origin, all works that might affect the item will cease and the item is to be protected from damage and disturbance. The relevant authorities will be notified immediately. All personnel working on site will receive training regarding their responsibilities regarding cultural heritage and will be made aware of any sites or areas which must be avoided. Such sites or areas will be identified on a site map and made available to all relevant personnel during the works.		

Compliance Documentation	Timing	Responsibility	Approving Authority
Inspection of Register Aboriginal Sites and Objects	Completed prior to the commencement of site works.	Primary Contractor	Department of State Development
Environmental Management Plan	Completed prior to the commencement of site works.	Primary Contractor	Principal
Activity checklist	Prior to commencement of site preparation works.	Primary Contractor	Principal

Please see ATTACHMENT E – NTEX-HSEQ-DOC-017 Heritage and Archaeological Management Plan

5.9 Incident and Safety Control Plan (ISCP)

Objectives	
Ensure all relevant contractors take appropriate measures consistent across the development to prevent incidents and near misses from occurring.	
Relevant Legislation, Standards, and Guidelines	• NT Dangerous Goods Act 1998 • Fire and Emergency Services Act 2005
Management and Mitigation Measures	
Identification of potential risks and subsequent mitigation measures. Ensure site workers are aware of environment obligations relating to the site works to reduce the risk of an environmental incident.	Protect health, environment, and property on site and in the surrounding area. Hot works procedures to be implemented. Display of relevant safety bulletins relevant to works on the site during construction and operations (e.g. insect-borne diseases).
Performance Assessment Criteria	
Compliance with incident and safety management measures built into EMP. There will be no public access to the site during construction works. All site staff will be inducted prior to construction works commencing and made aware of the environmental management measures, health and safety issues, and responsibilities. Incident Register to be maintained through all phases of construction. Grass to be moved prior to main works to reduce fire hazards	

Compliance Documentation	Timing	Responsibility	Approving Authority
Incident report form	Immediately following a reportable incident	All site workers	Principal
Environmental Management Plan	Completed prior to the commencement of site works.	Primary Contractor	Principal
Activity checklist	Prior to commencement of site preparation works.	Primary Contractor	Principal

Please see ATTACHMENT F – NTEX-HSEQ-DOC-078 Emergency Management Plan and ATTACHMENT H – NTEX-HSEQ-SAF-105 Site Emergency Management Procedure

5.10 Waste management Plan

Objectives	
The objectives of the Waste Management Plan are based on the hierarchy of avoidance/reduce, reuse, recycle, treat and/or dispose. To reuse and/or recycle as much as possible of all Waste Material generated on the work site and therefore leading to a reduction/avoidance in waste to landfill. The key areas to avoid where possible on a construction site are the generation of demolition materials, excavated materials, washout, domestic and human wastes and litter.	
Relevant Legislation, Standards, and Guidelines	• National Packaging Covenant **State: Northern Territory** • Environmental Assessment Act • Environmental Offences and Penalties Act • Northern Territory Environment Protection Authority Act • Waste Management and Pollution Control Act
Management and Mitigation Measures	
Identification of potential risks and subsequent mitigation measures. Ensure site workers are aware of environment obligations relating to the site works to reduce the risk of an environmental incident.	Protect health, environment, and property on site and in the surrounding area. Hot works procedures to be implemented. Display of relevant safety bulletins relevant to works on the site during construction and operations
Performance Assessment Criteria	
Compliance with incident and safety management measures built into EMP. There will be no public access to the site during works. All site staff will be inducted prior to works commencing and made aware of the environmental management measures, health and safety issues, and responsibilities. Incident Register to be maintained through all phases of construction.	

Compliance Documentation	Timing	Responsibility	Approving Authority
Incident report form	Immediately following a reportable incident	All site workers	Principal
Environmental Management Plan	Completed prior to the commencement of site works.	Primary Contractor	Principal
Activity checklist	Prior to commencement of site preparation works.	Primary Contractor	Principal

Please see ATTACHMENT G – NTEX-HSEQ-DOC-014 Waste Management Plan

5.11 Material Tracking

Removal of Waste to appropriate site. – Recycling of metal items to Sell and Parker Recycling, Timber and Trees will be mulched and recycled as garden mulch, all general demolition waste that cannot be recycled will be transported to Shoal Bay Waste Management Centre. Throughout the sequence of the project, NTEX will be looking at any other ways to increase the recycling for the project

The slabs will be pulverised and stockpiled for crushing. The concrete will be crushed on site by NTEX's crusher. This will reduce the volume of truck movements and transport.

The crusher has an inbuilt dust suppression system that controls the dust whilst the concrete is being processed.

NTEX has had discussions with City of Darwin Council in respect to recycling the crushed concrete, all crushed concrete from the project will be donated to the city of Darwin and transported to a location of their choice for recycling activities.

Throughout the sequence of the project there will also be the installation of fencing, topsoil and Hydro mulching

Dust suppression methods will be used when required. The water truck will be for dust suppression on access and egress areas. In addition, NTEX have sourced a Ozmist Water Cannon that has the ability to throw mist over a 45 meter area ensuring that we are able to capture dust particles from demolition works, whilst using pulverisors, crusher and ErKats reducing the risk of silica exposure as per the NT Worksafe exposure standards. This water cannon as the ability to minimise dust whilst minimising the chance of water run-off into storm water and natural water courses.

All wastes are tracked using NTEX document NTEX-HSEQ-ENV-006 Material Tracking Register.

NTEX-HSEQ-ENV-006
Material Tracking Register Site v1.0

Scrap Metal Tracking					
Date	**Time**	**Company Delivered To / Docket**	**Item**	**Person Delivering**	**Weight - Tonne**
Items: Steel					
				TOTAL	**0**

NTEX-HSEQ-ENV-006
Material Tracking Register Site v1.0

Construction Recycled Items					
Date	**Company / Docket**	**Item**	**Delivered To**	**How many units**	**Weight - Tonne**
Items: White Goods, Demountables, Air Cons, anything out of a building					
			TOTAL		**0**

NTEX-HSEQ-ENV-006
Material Tracking Register Site v1.0

Construction Waste					
Date	**Time**	**Company / Docket**	**Item**	**Person Delivering**	**Weight - Tonne**
Items: Insulation, timbers, cupboards, fittings, debris					
				TOTAL	**0**

6.0 REFERENCES

NEPC – National Environmental Protection Council (2013) *National Environment Protection (Assessment of Site Contamination) Measure* (NEPM) 1999, Amended 2013.

NHMRC – National Health and Medical Research Council/ Natural Resource Management Ministerial Council (2011) *Guidelines for Managing Risk in Recreational Waters*

APPENDIX A: Relevant Legislation

Environmental Aspect	Applicable Legislation, guidelines, policies, and standards
Acid sulfate soil	**Legislation** • *Environment Protection and Biodiversity Conservation Act 1999* (Cwlth) • *Soil Conservation and Land Utilisation Act* (NT) • *Waste Management and Pollution Control Act* (NT) • *Water Act* (NT) **Guidelines, policies, and standards** • Acid Sulfate Soils Management Advisory Committee (ASSMAC). 1998. *Acid Sulfate Soils Assessment Guidelines.* ASSMAC, Wollongbar, NSW. • Clay (ed.) 2010. Acid sulfate soils identification, assessment, and management—Northern Territory course notes. • Australian and New Zealand Guidelines for Fresh and Marin Water Quality (ANZG 2018) • Department of Natural Resources and Mines. 2014. *Queensland acid sulfate soil technical manual v4.0*. Queensland Government, Indooroopilly, Qld. • Environmental Protection Authority. 2009. *Victorian best practice guidelines for assessing and managing coastal acid sulfate soils*. Vic. • International Erosion Control Association (IECA)—Australasia. 2008. *Best practice erosion and sediment control.* IECA, NSW. • Land and Water Division, Department of Natural Resources, Environment, the Arts and Sport. 2008. *Acid sulfate soils of the Darwin region*. Northern Territory Government, Darwin, NT. • New South Wales Acid Sulfate Soils Management Advisory Committee. 1998. *Acid sulfate soils assessment guidelines*. Acid Sulfate Soils Management Advisory Committee, NSW. • Queensland Acid Sulfate Soils Investigation Team (QASSIT). 1998. *Guidelines for sampling and analysis of lowland acidic sulfate soils (ASS) in Queensland 1998*. Queensland Department of Natural Resources, Indooroopilly, Qld.
Air emissions	**Legislation** • *Ozone Protection Act 1989* (Cwlth) • *Waste Management and Pollution Control Act* (NT) • National Environment Protection Council. 2015 National Environment Protection (Ambient Air Quality) Measure (NEPM). • National Environment Protection Council. 2011 National Environment Protection (Air Toxics) Measure (NEPM). • National Environment Protection Council. 1998 National Environment Protection (National Pollutant Inventory) Measure (NEPM). **Guidelines, policies, and standards** • New South Wales Department of Environment and Climate Change Guidelines
Bushfire	**Legislation**

Environmental Aspect	Applicable Legislation, guidelines, policies, and standards
	• *Bushfires Management Act* 2016 (NT) • *Fire and Emergency Act* (NT) **Guidelines, policies, and standards** • North Australian Fire Information. Online mapping. Available at <https://firenorth.org.au/nafi3/>
Flora and fauna (including weeds, pests and quarantine)	**Legislation** • *Animal Welfare Act* (NT) • *Bushfires Management Act* 2016 (NT • *Environment Protection and Biodiversity Conservation Act 1999* (Cwlth) • *Fisheries Act* (NT) • *National Environmental Protection Council (Northern Territory) Act* (NT) • *Plant Health Act* (NT) • *Protection of the Sea (Harmful Anti-fouling Systems) Act 2006* (Cwlth) • *Public and Environmental Health Act (NT)* • *Public and Environmental Health Regulation (NT)* • *Biosecurity (Consequential Amendments and Transitional Provisions) Act* (Cwlth) • *Soil Conservation and Land Utilization Act* (NT) • *Territory Parks and Wildlife Conservation Act* (NT) • *Weeds Management Act* (NT) **Guidelines, policies, and standards** • Australian Petroleum Production and Exploration Association (APPEA). 2004. *Search Australian Whales and Dolphins – Interactive CD-ROM Identification Guide*. APPEA, Canberra, ACT. • Department of Agriculture, Fisheries and Forestry (various guidelines). • Department of the Environment and Heritage (DEH). 1999. Whales and Dolphins Identification Guide. Commonwealth Government, Canberra, ACT. • Department of the Environment, Water, Heritage, and the Arts. 2017. *Australian national guidelines for whale and dolphin watching 2017.* Commonwealth Government, Canberra, ACT. • Department of the Environment, Water, Heritage, and the Arts. 2008. *Interaction between offshore seismic exploration and whales.* EPBC Act Policy Statement 2.1. Commonwealth Government, Canberra, ACT. • Department of Lands, Planning and the Environment (formerly the Department of Natural Resources, Environment, the Arts and Sport). Native vegetation fact sheets (various). • Department of Environment and Natural Resources 2019. *Land clearing guidelines*.

Environmental Aspect	Applicable Legislation, guidelines, policies, and standards
	• Department of Environment and Natural Resources 2018 *Northern Territory weed management handbook.* Northern Territory Government, Palmerston, NT. • Environmental Protection Authority. 2009. *Victorian best practice guidelines for assessing and managing coastal acid sulfate soils*. Vic. • Natural Heritage Trust. 2005. *Protected Marine Species Identification Guide. Commonwealth Government*, Canberra, ACT.
Greenhouse gas	**Legislation** • National Environment Protection Council. 2001 National Environment Protection (Diesel Vehicle Emissions) Measure (NEPM). • *National Greenhouse and Energy Reporting Act 2007* (Cwlth) • *Offshore Petroleum and Greenhouse Gas Storage (Environment) Regulations 2009 (Cwlth)* **Guidelines, policies, and standards** • Department of the Chief Minister. 2009. Northern Territory Climate Change Policy. Northern Territory Government, Darwin, NT.
Hazardous substances and dangerous goods	**Legislation** • *Dangerous Goods Act* (NT) • *Energy Pipelines Act (NT)* • *Environmental Offences and Penalties Act 1996* (NT) • *Hazardous Waste (Regulation of Exports and Imports) Act 1989* (Cwlth) • *Industrial Chemicals (Consequential Amendments and Transitional Provisions) Act* 2019 • *Model Work Health and Safety Regulations 2011* (Cwlth) • *Protection of the Sea (Harmful Anti-fouling Systems) Act 2006* (Cwlth) • *Protection of the Sea (Prevention of Pollution from Ships) Act 1983* (Cwlth) • *Public and Environmental Health Regulations 2014 (NT)* • *Waste Management and Pollution Control Act* (NT) • *Work Health and Safety (National Uniform Legislation) Act 2011* (NT) **Guidelines, policies, and standards** • *Work Health and Safety (National Uniform Legislation) Regulations (NT)* • *AS 1940:2004, The storage and handling of flammable and combustible liquids* • *AS 3780:2008, The storage and handling of corrosive substances*

Environmental Aspect	Applicable Legislation, guidelines, policies, and standards
	• *AS/NZS 3833:2007, The storage and handling of mixed classes of dangerous goods, in packages and intermediate bulk containers* • *AS 4326:2008, The storage and handling of oxidising agents* • *AS/NZS 4452:1997, The storage and handling of toxic substances* • *AS/NZS 4681:2000, The storage and handling of Class 9 (miscellaneous) dangerous goods and articles* • Australian Petroleum Production & Exploration Association (APPEA). 2008. *Code of Environmental Practice*. APPEA, Canberra, ACT. • Australian Pipelines and Gas Association (APGA). 2017. *Code of environmental practice—onshore pipelines* Australian Pipelines and Gas Associations, Kingston, ACT. • Department of Environment and Conservation (NSW). 2004. Environmental Best Management Practice Guideline for Concreting Contractors. Department of Environment and Conservation (NSW), Sydney, NSW. • International Maritime Organization's Convention on the Control of Harmful Anti-fouling Systems on Ships • *Code of Practice–How to Manage and Control Asbestos in the Workplace* 2020 Safe Work Australia • National Standard for the Storage and Handling of Workplace Dangerous Goods [NOHSC:1015(2001)] • National Transport Commission. 2018 *Australian code for the transport of dangerous goods by road and rail*. 7.6th edn. National Transport Commission, Melbourne, Vic. • United Nations. 2011. Globally Harmonized System of Classification and • Labelling of Chemicals, 4th edn. United Nations, New York and Geneva.
Heritage	**Legislation** • *Aboriginal and Torres Strait Islander Heritage Protection Act 1984* (Cwlth) • *Aboriginal Land Rights (Northern Territory) Act 1976* (Cwlth) • *Australian Heritage Council Act 2003* (Cwlth) • *Environment Protection and Biodiversity Conservation Act 1999* (Cwlth) • *Heritage Act* (NT) • *Underwater Cultural Heritage (Consequential and Transitional Provisions) Act 2018* (Cwlth) • *Northern Territory Aboriginal Sacred Sites Act* (NT) **Guidelines, policies, and standards** • Northern Territory Heritage Register
Noise	**Legislation** • *Environmental Protection and Biodiversity Conservation Act 1999* (Cwlth) • *Waste Management and Pollution Control Act* (NT)

Environmental Aspect	Applicable Legislation, guidelines, policies, and standards
	Guidelines, policies, and standards • *ANSI S12.7-1986, Methods for measurement of impulse noise* • *ANSI S1.42-2001, Design Response of Weighting Networks for Acoustical Measurements* • *AS 2159-2009*, *Piling – Design and installation* • *AS 2436:2010, Guide to noise and vibration control on construction, maintenance and demolition sites* • Northern Territory Environment Protection Authority 2014. Noise guidelines for development sites in the Northern Territory May 2014. Northern Territory Government, Darwin, NT. • *ISO/PAS 17208-1.2016, Acoustics—Quantities and procedures for description and measurement of underwater sound from ships* • *ISO/DIS 16554*, *Ships and marine technology—Marine environmental* • *protection—Measurement and reporting of underwater sound radiated from merchant ships.*
Soils	**Legislation** • *Mining Management Act* (NT) • *Mineral Titles Act* (NT) • *Water Act* (NT) • *Soil Conservation and Land Utilization Act* (NT) • *Waste Management and Pollution Control Act* (NT) **Guidelines, policies, and standards** • AS/NZS 5667.1-1998 *Water quality—Sampling* • Department of Environment and Natural Resources. 2006. Erosion and sediment control plan. Fact Sheet. Northern Territory Government, Darwin, NT. • Department of Environment and Natural Resources 2019 Erosion and Sediment control guidelines (Technical Notes—various). Northern Territory Government, Darwin, NT. • International Erosion Control Association (IECA)—Australasia. 2008. *Best practice erosion and sediment control.* IECA, NSW. • National Environment Protection Council (NEPC). 1999. National Environment Protection (Assessment of Site Contamination) Measure.
Traffic management	**Legislation** • *Control of Roads Act* (NT) • *Motor Vehicles Act* (NT) • *Traffic Act* (NT)

Environmental Aspect	Applicable Legislation, guidelines, policies, and standards
	Guidelines, policies, and standards • Department of Infrastructure, Planning and Logistics *Application Procedures for a Permit to Work Within NT Government Road Reserves (PTW)* 2017
Waste	**Legislation** • *Building Act* (NT) • *Dangerous Goods Act* (NT) • *Environmental Offences and Penalties Act 1996* (NT) • *Work Health and Safety* (National Uniform Legislation*) Act* (NT) • *Environment Protection (Sea Dumping) Act 1981* (Cwlth) • *Hazardous Waste (Regulation of Exports and Imports) Act 1989* (Cwlth) • *Litter Act* (NT) • *Marine Pollution Act* (NT) • National Environment Protection Council. 1998. *National Environment Protection (Movement of Controlled Waste between States and Territories) Measure* • National Environment Protection Council. 2011. National Environment • Protection (Used Packaging Materials) Measure 2011 • *Protection of the Sea (Prevention of Pollution from Ships) Act 1983* (Cwlth) • *Public and Environmental Health Act* (NT) • *Public and Environmental Health Regulation (NT)* • *Biosecurity (Consequential Amendments and Transitional Provisions) Act* (Cwlth) • *Waste Management and Pollution Control Act* (NT) • *Water Act* (NT) **Guidelines, policies, and standards** • Australian Petroleum Production & Exploration Association (APPEA). 2008. *Code of Environmental Practice*. APPEA, Canberra, ACT. • Australian Pipelines and Gas Association (APGA). 2017. *Code of environmental practice—onshore pipelines* Australian Pipelines and Gas Associations, Kingston, ACT. • Department of Agriculture, Biosecurity. February 2012. *Biosecurity Waste Management Business Policy. v 2*. Industry Arrangements • Reform Program. Department of Agriculture Canberra. ACT. • Environment Protection Authority 2014. *Waste classification*

Environmental Aspect	Applicable Legislation, guidelines, policies, and standards
	• *guidelines: Part 1—Classifying waste.* Environment Protection Authority, Sydney, NSW. • Environment Protection Authority 2014. *Waste classification guideline: Part 2—Immobilisation of waste*. Environment Protection Authority, Sydney, NSW • Department of Health 2014. *Code of Practice for Small On-site Sewage and Sullage Treatment Systems and the Disposal or Reuse of Sewage Effluent*. Northern Territory Government, Darwin, NT. • Northern Territory Environment Protection Authority, *Asbestos disposal in the Northern Territory*. Northern Territory Government, available at • Northern Territory Environment Protection Authority, *Guide for Completing Waste Transport Certificate (WTC),* Northern Territory Government, available at <https://ntepa.nt.gov.au/__data/assets/pdf_file/0007/284677/completing_waste_transport_certificates.pdf > (last viewed August 2020). • Northern Territory Environment Protection Authority. *Shoal Bay* • *waste management facility environmental protection licence number.* Northern Territory Government. • International Marine Organisation (IMO). 1972. *International convention on the prevention of marine pollution by dumping of wastes and other matter, 1972* [the "London Convention"] and 1996 protocol thereto. • International Marine Organisation (IMO). 1978. *International convention for the prevention of pollution from ships, 1973,* as modified by the Protocol of 1978 relating thereto (MARPOL 73/78). • National Transport Commission. 2018. *Australian code for the transport of* • *dangerous goods by road and rail*. 7.6th edn. National Transport Commission, Melbourne, Vic. • United Nations. 2011. *Globally Harmonized System of Classification and* • *Labelling of Chemicals,* 4th edn. United Nations, New York and Geneva. • Northern Territory Environment Protection Authority, *Waste Management and Pollution Control Act* (NT) Compliance and Enforcement Policy,
Water (surface, groundwater and marine)	**Legislation** • *Port of Darwin Act 2015* (NT) • *Environment Protection (Sea Dumping) Act 1981* (Cwlth) • *Fisheries Act* (NT) • *Marine Act* (NT) • *Marine Pollution Act* (NT) • *Navigation Act 2012* (Cwlth) • *Protection of the Sea (Prevention of Pollution from Ships) Act 1983* (Cwlth)

Environmental Aspect	Applicable Legislation, guidelines, policies, and standards
	• *Water Act* (NT) • *Waste management and Pollution Control Act* (NT) **Guidelines, policies, and standards** • AS/NZS 5667.1-1998 *Water quality—Sampling* • Australian and New Zealand Environment and Conservation Council and Agriculture and Resource Management Council of Australia and New Zealand (ANZECC/ARMCANZ). 2000. *Australian and New Zealand guidelines for fresh and marine water quality—Volume 1*. ANZECC/ARMCANZ. Canberra, ACT. • Northern Territory Environment Protection Authority, *Guidelines to Prevent Pollution from Building Sites*, 2015. Northern Territory Government • Department of Natural Resources, Environment, the Arts and Sport. 2010. *Water quality objectives for the Darwin Harbour Region—Background Document*. Northern Territory Government, Palmerston, NT. • International Erosion Control Association (IECA)—Australasia. 2008. *Best* • *practice erosion and sediment control.* IECA, NSW.

APPENDIX B: Hazard Report Form

NTEX-HSEQ-SAF-022

Date:		Hazard Report Number:	
Reported By:			
Name:		Position:	
Reported To:			
Name:		Position:	
Site location:			
Subject:			
☐ Incident	☐ Near Miss	☐ Workplace Hazard	☐ Hazardous Work Practice
Description of Hazard:			
What needs to be done?			
Signature:		Date:	
Copy given to:			
Manager:		(Signature)	
Communication Meeting:		(Signature)	

APPENDIX C: Site Inspection Checklist

NTEX-HSEQ-SAF-071

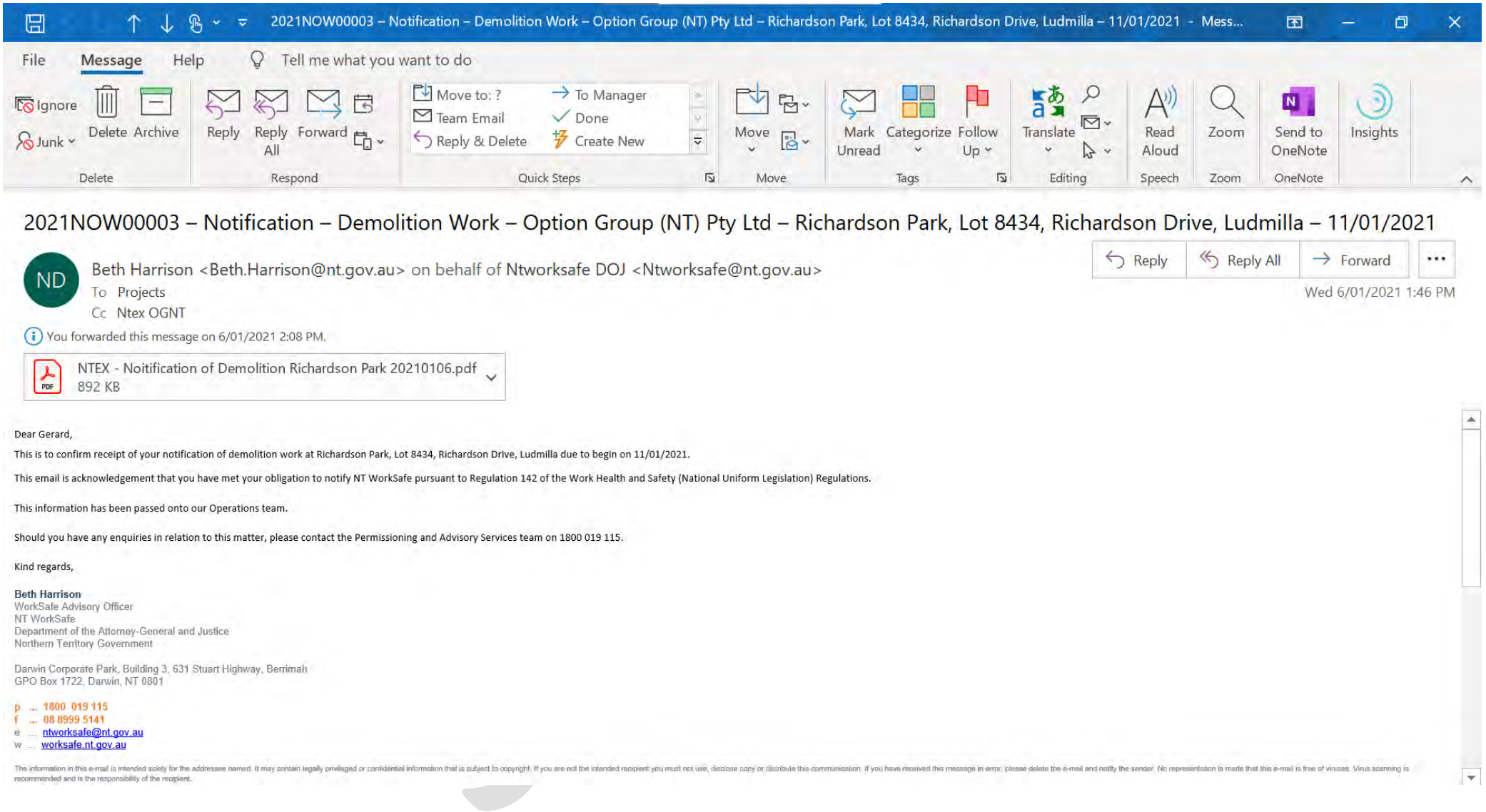
Site Location:	
Date of Inspection:	
Inspection completed by:	

	Item	Yes	No	N/A
1.	**Site Documents**			
	• Have all workers been inducted			
	• Has Risk assessment been conducted			
	• Is risk assessment dated			
	• Have SWMS been prepared			
	• Have workers signed off of SWMS			
	• Are all job steps listed & correct controls implemented			
	• Are any required permits in place			
2.	**Electrical**			
	• Testing and tagging of electrical items has been attended within the last 3 months.			
	• Any Isolations in affect			
3.	**Chemicals**			
	• SDS for all chemicals			
	• SDS Register is available and current			
	• Containers are clearly and accurately labelled			
	• All chemicals are stored in accordance with the SDS			
4.	**Training**			
	• Do workers hold current licences/training for tasks being undertaken			
5.	**Plant and PPE**			
	• Has all equipment been checked prior to use on site			
	• Is correct PPE being worn appropriately			
	• Is Plant and PPE in good serviceable condition			
	• Are staff trained in its use			
6.	**Heights**			
	• Is there safe and stable access to heights (ladders secured; scaffold tagged)			
	• Is fall prevention being used, and correctly			
	• Is barricading and warning in place for persons below			
7.	**Open Excavation**			
	• Evidence of cracking			
	• Wall stability			
	• Access and egress			
	• Barricading in good condition, and compliant with OHS act			
8.	**Environmental**			

	• Is drainage working			
	• Is dust controlled			
	• Silt fence in good condition and working to catch sedimentation			
	• No evidence of trapped or hurt fauna			
	• No evidence of works impacting any water courses			
9.	**Traffic Management**			
	• All signage secure and visible			
	• Is TPM being followed			
	• Speed limits adequate			
10.	**Waste Management**			
	• Is waste separated			
	• Is rubbish placed in correct bins			
	• Are Skip bins covered			
	• Site in a clean state			
	• Concrete wash out bay, Functional, Clean			
11.	**Asbestos Management**			
	• Barricading set up and entry and exit points designated			
	• PPE Requirements met			
	• Signage is displayed			
	• Correct storage of removed Asbestos materials ready for disposal			
12.	• **Additional Items for Review**			
	•			
	•			
	•			
	•			

Additional comments or actions required:
Copies sent to:
NAME: SIGNED: DATED:

APPENDIX D: NTEX Notification to NT Worksafe Permit Number 2021NOW00003



2021NOW00003 – Notification – Demolition Work – Option Group (NT) Pty Ltd – Richardson Park, Lot 8434, Richardson Drive, Ludmilla – 11/01/2021 - Mess...

File Message Help Tell me what you want to do

Ignore Junk Delete Archive Reply Reply All Forward Move to: ? Team Email Reply & Delete To Manager Done Create New Move Mark Unread Categorize Follow Up Translate Read Aloud Zoom Send to OneNote Insights

Delete Respond Quick Steps Move Tags Editing Speech Zoom OneNote

2021NOW00003 – Notification – Demolition Work – Option Group (NT) Pty Ltd – Richardson Park, Lot 8434, Richardson Drive, Ludmilla – 11/01/2021

ND

Beth Harrison <Beth.Harrison@nt.gov.au> on behalf of Ntworksafe DOJ <Ntworksafe@nt.gov.au>

To Projects

Cc Ntex OGNT

Reply Reply All Forward

Wed 6/01/2021 1:46 PM

You forwarded this message on 6/01/2021 2:08 PM.

NTEX - Noitification of Demolition Richardson Park 20210106.pdf
892 KB

Dear Gerard,

This is to confirm receipt of your notification of demolition work at Richardson Park, Lot 8434, Richardson Drive, Ludmilla due to begin on 11/01/2021.

This email is acknowledgement that you have met your obligation to notify NT WorkSafe pursuant to Regulation 142 of the Work Health and Safety (National Uniform Legislation) Regulations.

This information has been passed onto our Operations team.

Should you have any enquiries in relation to this matter, please contact the Permissioning and Advisory Services team on 1800 019 115.

Kind regards,

Beth Harrison
WorkSafe Advisory Officer
NT WorkSafe
Department of the Attorney-General and Justice
Northern Territory Government

Darwin Corporate Park, Building 3, 631 Stuart Highway, Berrimah
GPO Box 1722, Darwin, NT 0801

p ... 1800 019 115
f ... 08 8999 5141
e ... ntworksafe@nt.gov.au
w ... worksafe.nt.gov.au

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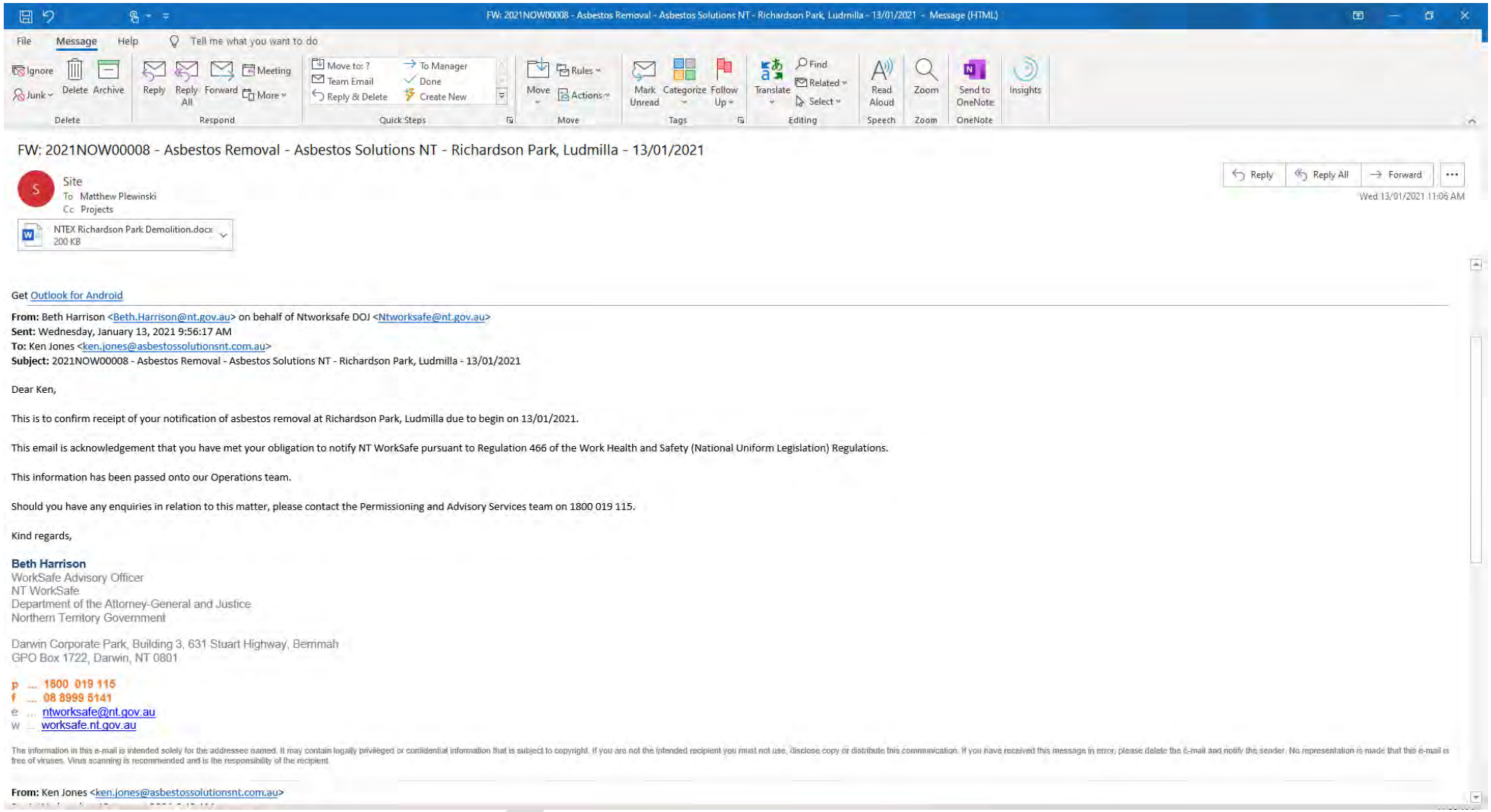
APPENDIX E: ASBESTOS SOLUTIONS Notification to NT WorkSafe Permit Number 2021NOW00008



FW: 2021NOW00008 - Asbestos Removal - Asbestos Solutions NT - Richardson Park, Ludmilla - 13/01/2021 - Message (HTML)

File Message Help Tell me what you want to do

Ignore Junk Delete Archive | Reply Reply All Forward Meeting More | Move to: ? Team Email Reply & Delete To Manager Done Create New | Move Rules Actions | Mark Unread Categorize Follow Up | Translate Find Related Select | Read Aloud | Zoom | Send to OneNote | Insights

Delete Respond Quick Steps Move Tags Editing Speech Zoom OneNote

FW: 2021NOW00008 - Asbestos Removal - Asbestos Solutions NT - Richardson Park, Ludmilla - 13/01/2021

Reply Reply All Forward

Site
To Matthew Plewinski
Cc Projects

Wed 13/01/2021 11:06 AM

NTEX Richardson Park Demolition.docx
200 KB

Get Outlook for Android

From: Beth Harrison <Beth.Harrison@nt.gov.au> on behalf of Ntworksafe DOJ <Ntworksafe@nt.gov.au>
Sent: Wednesday, January 13, 2021 9:56:17 AM
To: Ken Jones <ken.jones@asbestossolutionsnt.com.au>
Subject: 2021NOW00008 - Asbestos Removal - Asbestos Solutions NT - Richardson Park, Ludmilla - 13/01/2021

Dear Ken,

This is to confirm receipt of your notification of asbestos removal at Richardson Park, Ludmilla due to begin on 13/01/2021.

This email is acknowledgement that you have met your obligation to notify NT WorkSafe pursuant to Regulation 466 of the Work Health and Safety (National Uniform Legislation) Regulations.

This information has been passed onto our Operations team.

Should you have any enquiries in relation to this matter, please contact the Permissioning and Advisory Services team on 1800 019 115.

Kind regards,

Beth Harrison
WorkSafe Advisory Officer
NT WorkSafe
Department of the Attorney-General and Justice
Northern Territory Government

Darwin Corporate Park, Building 3, 631 Stuart Highway, Berrimah
GPO Box 1722, Darwin, NT 0801

p ... 1800 019 115
f ... 08 8999 5141
e ... ntworksafe@nt.gov.au
w ... worksafe.nt.gov.au

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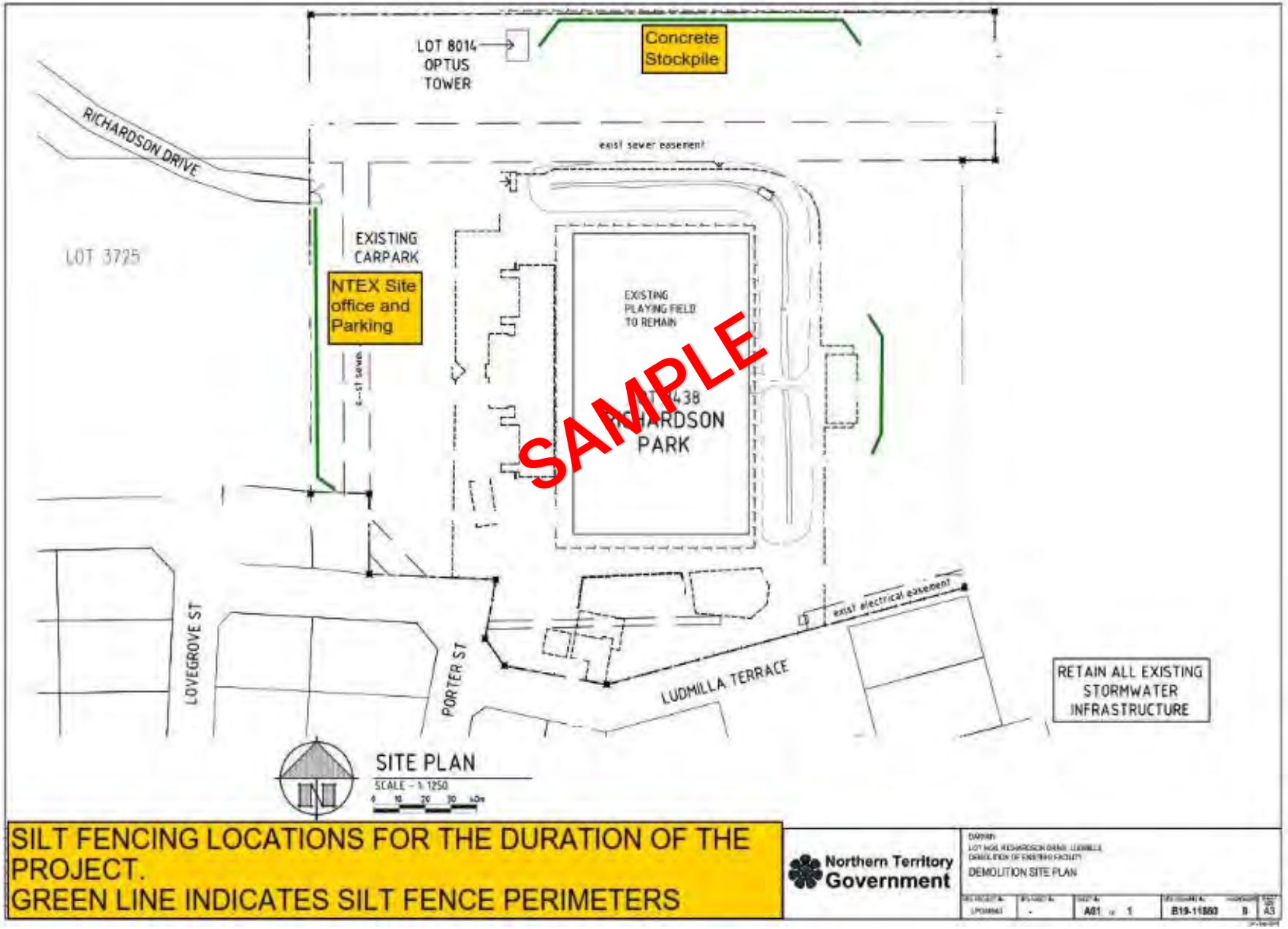
From: Ken Jones <ken.jones@asbestossolutionsnt.com.au>

APPENDIX F: Sedimentation Control Locations



APPENDIX G: DIPL Stakeholder Update

Stakeholder Update

January 2021

Richardson Park Community Space

Dear stakeholder,

The Northern Territory Government is redeveloping Richardson Park to breathe new life into the area and create a more community friendly space that also acknowledges the Rugby League history associated with the site.

$7.1 million has been allocated to the project which will be delivered over multiple stages including removal of all existing buildings, upgrade of the playing field, landscaping of the site and a new access road.

The memorial for Warren "Shadow" Mount will be preserved during the works and reinstated to an appropriate area after the works.

The concept design will also honour and acknowledge other memorials of significance associated with the site.

The first stage of works will begin from 11 January 2021 and involve the removal of the structures that are in a state of disrepair including the grandstand, toilet block, kiosk, gate house and club house.

Local company NTEX will be carrying out the works which are expected to be completed by the end of May 2021.

Work hours will be Monday to Friday from 7am – 5pm and Saturdays from 7am – 1pm.

The contractor will ensure that all efforts are made to minimise noise and dust during the works.

Restricted access to the Richardson Park site will be in place for the duration of the works.

The public can also be assured that in the event of any contaminated materials being discovered on the site, they will be managed in accordance with appropriate regulations.

For information on the works and future planning for the Richardson Park Community Space please contact the Department of Infrastructure, Planning and Logistics on 8946 5135 or communications.dipl@nt.gov.au or go to: www.dipl.nt.gov.au

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Department of Infrastructure, Planning and Logistics.
Page 1 of 1

NORTHERN TERRITORY GOVERNMENT

APPENDIX H: NTEX – Notification to Residents

13/01/2021

Dear Ludmilla Residents,

Please be advised that NTEX will be undertaking the demolition of the Richardson Park Grandstand and ancillary buildings. This project has commenced on Monday the 11th of January 2021 and to be completed by the 11th of April 2021.
Works will be conducted during normal working hours Monday to Saturday: 07:00 to 17:00 and Sunday 09:00 to 13:00.

Be aware that there will be an increase in Heavy Vehicle movements from Richardson Drive onto Douglas Street.

Please note that during this demolition project there will be tree removal works along the Ludmilla Terrace. For the tree removal along the terrace, sufficient notice will be given along with a traffic management plan as dates are confirmed.

We appreciate your assistance and understanding while these works are in process and apologize for any inconvenience that this project may cause.

Please see below contact if you need further information:

NTEX Site contact for this project will be Gerard Breen ntex@ognt.com.au
Ph: 0428 136 075

Your faithfully
Gerard Breen
NTEX

OPTION GROUP (NT) PTY LTD T/A NTEX | ABN: 82 142 817 767 | T: G Breen 0428 136 075 | T: Office 0467 074 955
E: ntex@ognt.com.au | 560 Girraween Rd, Girraween NT 0836 | PO Box 1331, Coolalinga NT 0839 | www.ntex.com.au

APPENDIX I: Incident Investigation Form

NTEX-HSEQ-SAF-026

PARTICULARS OF INCIDENT			**Site:**
Date of incident:	Time:	Location:	Date reported:

THE INJURED PERSON				
Name:		Address:		
Age	Phone number			
Date of incident		Length of employment:		
TYPE OF INJURY:	☐ Bruising	☐ Dislocation	☐ Other (specify)	Injured part of body
☐ Strain/sprain	☐ Scratch/abrasion	☐ Internal		
☐ Fracture	☐ Amputation	☐ Foreign body	Remarks	
☐ Laceration/cut	☐ Burn, scald	☐ Chemical reaction		

DAMAGED PROPERTY	
Property/ material damaged	Nature of damage
	Object/substance inflicting damage

THE INCIDENT	
Description	
Describe what happened (space overleaf for diagram essential for all vehicle incidents)	
Analysis	
What were the causes of the incident?	
HOW BAD COULD IT HAVE BEEN? ☐ Very serious ☐ Serious ☐ Minor	WHAT IS THE CHANCE OF IT HAPPENING AGAIN? ☐ Often ☐ Occasional ☐ Rare

Prevention			
What action has or will be taken to prevent a recurrence? Tick items already actioned Use space overleaf if required		By whom	When

TREATMENT AND INVESTIGATION OF INCIDENT			
Type of treatment given	Name of person giving first aid	Doctor/Hospital	
Incident investigated by:	Date:	OSH advised ☐ YES ☐ NO	Date:

APPENDIX J: Haulage Route for Concrete Transport