

Appendix A7

Emergency Response Management Sub Plan

Transport for NSW Package 3 – Portion 2 Early Works

Parramatta Light Rail – Stage 1
April 2020

PLR-VNT-SAM-ER-PLN-000001

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Parramatta Light Rail – Stage 1

Portion 2 Early Works (Package 3) – Emergency Response Management Sub-plan

Document Control

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Dated	23/04/2020
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Glossary/ Abbreviations

Abbreviations	Expanded text
CEMP	Construction Environmental Management Plan
CFCs	Chlorofluorocarbons
CLM Act	<i>Contaminated Land Management Act 1997</i>
CoA	NSW Minister for Planning Conditions of Approval
DP&E	NSW Department of Planning and Environment
ECM	Environmental Control Map
ECO	Emergency Control Organisation
EIS	Environmental Impact Statement
Environmental incident	<p>An environmental incident is an occurrence or set of circumstances, as a consequence of which pollution (air, water, noise, or land) or an adverse environmental impact has occurred, is occurring, or is likely to occur.</p> <p>Adverse environmental impact includes contamination, harm to flora and fauna (either individual species or communities), damage to heritage items and adverse community impacts.</p>
Environmental issue	Any occurrence or set of circumstances that has the potential to cause or lead to an environmental incident or non-compliance if not rectified.
Environmental non-compliance	A non-compliance with any condition of approval, license condition or any other statutory approval or requirement relevant to the activity and/or area where the activity occurs.
EPA	NSW Environment Protection Authority
EP&A Act	<i>Environmental Planning and Assessment Act 1979</i>
ER	Environmental Representative
ERMP	Emergency Response Management Plan
Investigation	The process by which the cause(s) of an incident, non-compliance, issue or event is examined and identified.

Material harm	<p>Is harm that:</p> <ul style="list-style-type: none"> a) Involves actual or potential harm to the health or safety of human beings or to ecosystems that is not trivial, or b) Results in actual or potential loss or property damage of an amount, or amounts in aggregate, exceeding \$10,000, (such loss includes the reasonable costs and expenses that would be incurred in taking all reasonable and practicable measures to prevent, mitigate or make good harm to the environment).
NVMP	Noise and Vibration Management Plan
PIRMP	Pollution Incident Response Management Plan
POEO Act	<i>Protection of the Environment Operations Act 1997</i>
RAP	Remediation Action Plan for 6-10 Grand Avenue, Camellia, NSW, November 2017)
REMMM	Revised Environmental Mitigation and Management Measure
RP	Responsible person
SHEQ	Safety, Health, Environment and Quality
TWTP	Temporary Water Treatment Plant

1 Introduction

It is the policy of Ventia Utility Services Pty Ltd (hereafter Ventia) to provide safe procedures for emergency responses and to ensure that appropriate emergency response management is implemented.

Preparing for emergency situations greatly reduces the risk of injury, illness and fatalities, and may limit the damage done to infrastructure and environmental harm to surrounding areas. Well-developed and rehearsed emergency plans assist staff and Emergency Control Organisation (ECO) teams to respond quickly and effectively to an incident.

All Ventia personnel will carry out responses in accordance with the requirements of this plan and in compliance with company procedures, works procedures and where necessary, Client requirements.

All visitors, subcontractors and service providers working on the project under the direction of Ventia will be required to adhere to all the requirements of this plan. Instruction will be given at the Project induction as to the requirements of this plan and changes will be communicated via toolbox meetings, HSE consultative meetings and posted on health and safety noticeboards.

In accordance with Client requirements, the project will adopt one system of notification, alarms, evacuation and reporting processes and hold evacuation drills to ensure that all the processes are working adequately. A debrief will be held after each emergency and/or drill where results and comments are evaluated and changes made to any process that is deemed to require improvement and review.

1.1 Context

This Emergency Response Management Plan (ERMP or the 'Plan') is included within the appendices of Construction Environmental Management Plan (CEMP) for the Parramatta Light Rail – Stage 1 (PLR – Stage 1) for Package 3 - Portion 2 Early Works (Portion 2 Early Works hereafter).

This ERMP has been prepared to address the requirements of the Minister's Conditions of Approval (CoA) and the revised environmental mitigation and management measures (REMMM) listed in the *Parramatta Light Rail (Stage 1) – Westmead to Carlingford via Parramatta CBD and Camellia Environmental Impact Statement, August 2017* (the EIS) and the subsequent Submissions Report (incorporating Preferred Infrastructure Report) (TfNSW 2018) and all applicable legislation. This ERMP specifically addresses CoA A44-A47 and REMMM GEN-1 & GEN-3, with the broader applicable CoA's and REMMM's outlined in **Table 3-1** and **Table 3-2** respectively.

This ERMP provides the management approach and requirements (including environmental mitigation measures, controls, monitoring and reporting) for managing emergency response during construction of Portion 2 Early Works. This Plan forms one of six sub-plans which are collectively covered by the Construction Environmental Management Plan (CEMP). Effective implementation of the CEMP (and associated sub-plans) will ensure that environmental resources, responsibilities and management measures are adopted during the construction activities.

1.2 Background and project description

Parramatta Light Rail is one of the NSW Government's major infrastructure projects being delivered to serve a growing Sydney population, particularly the population growth of the Parramatta Local Government Area (LGA).

Parramatta Light Rail Stage 1 will connect Westmead to Carlingford via Parramatta Central Business District (CBD) and Camellia. Stage 1 is expected to be operational in 2023.

PLR Stage 1 project will link Parramatta's central business district (CBD) and train station to a number of key locations, including the following:

- Westmead Precinct;
- Parramatta North Growth Centre;
- The new Western Sydney Stadium;
- The Camellia Town Centre;
- The new Powerhouse Museum;
- Riverside Theatre arts and cultural precinct;
- The private and social housing redevelopment at Telopea;
- The Rosehill Gardens Racecourse; and
- The three Western Sydney University campuses.

In summary, the key features of the project include:

- A new dual track light rail network of approximately 12 kilometres in length (including approximately seven kilometres within the existing road corridor and approximately five kilometres within the existing Carlingford Line and Sandown Line, replacing current heavy rail services);
- A total of 16 stops that are fully accessible and integrated into the urban environment including a terminus stop at each end of Westmead and Carlingford;
- High frequency 'turn-up-and-go' services operating seven days a week from 5 am to 1 am. Weekday services will operate approximately every 7.5 minutes in the peak period between 7 am and 7 pm;
- Modern and comfortable air-conditioned light rail vehicles, nominally 45 metres long and driver-operated, each carrying up to 300 passengers;
- Intermodal interchanges with existing public transport services at Westmead terminus, Parramatta CBD and the Carlingford terminus;
- Creation of two light rail and pedestrian zones (no general vehicle access) within the Parramatta CBD along Church Street (generally between Market Street and Macquarie Street) and along Macquarie Street (generally between Horwood Place and Smith Street);
- A Stabling and Maintenance (SaM) Facility located in Camellia for light rail vehicles to be stabled, cleaned and maintained;
- New bridge structures along the alignment including over James Ruse Drive and Clay Cliff Creek, Parramatta River (near the Cumberland Hospital), Kissing Point Road and Vineyard Creek, Rydalmere;
- Alterations to the existing road network including line marking, additional traffic lanes and turning lanes, new traffic signals, and changes to traffic flows;
- Relocation and protection of existing utilities;
- Public domain and urban design works along the corridor and at Stop precincts;
- Closure of the heavy rail line between Carlingford and Clyde;
- Active transport corridors and additional urban design features along sections of the alignment and within Stop precincts;
- Integration with the Opal Electronic Ticketing System (ETS); and
- Real time information in light rail vehicles and at Stops via visual displays and audio.

An overview of Parramatta Light Rail Stage 1 route is shown in Figure 1-1 of the CEMP.

1.2.1 Stabling and Maintenance Facility

As part of the development of the Project, the TfNSW owned land located at 6-8 Grand Avenue Camellia was identified as the preferred site for the Stabling and Maintenance Facility (SaM Facility). The SaM Facility is being constructed on the former industrial site adjacent to the Rosehill Gardens Racecourse within the Rosehill and Camellia precinct (refer to Figure 1-1: **Portion 2 Early Works - SaM Facility location**).

The SaM Facility would provide for the storage of light rail vehicles, maintenance, repair, refurbishing, upgrading, stabling, cleaning of light rail vehicles and a base for infrastructure maintenance activities and will operate 24 hours a day and 7 days a week.

Administration and staff facilities as well as the operations control centre for the light rail network will be located within the maintenance building. Parking for staff and visitors will be provided on site, including maintenance vehicle parking. An electrical substation will be installed on the site to power the facility and light rail.

To accommodate the development of the SaM facility, and reduce the potential for interaction with contaminated material during construction, the following activities will be undertaken as part of the enabling works, specifically *Package 3: Early Works Portion 2* and subject of the CEMP:

- Importation and placement of appropriate fill material across the site to raise the surface finish level by about two metres;
- Installation of an appropriate capillary break to eliminate subsurface contamination migration;
- Installation of an appropriate vapour barrier and structural surface capping layer;
- The Temporary Works encompasses establishment of plant, equipment and facilities on the Site to support the delivery of the Works;
- The Enabling Works encompasses establishment and management of utilities and other below-ground infrastructure on the Site to support the delivery of the Works;
- Construction of a berm for the retention and containment of waste materials on-site;
- Implementation of Ground Improvement Works where required;
- Implementation of the monitoring and validation program; and
- Preparation of Stage 2 Site Validation Report and a Long Term Environmental Management Plan (LTEMP) to the satisfaction of the Site Auditor.

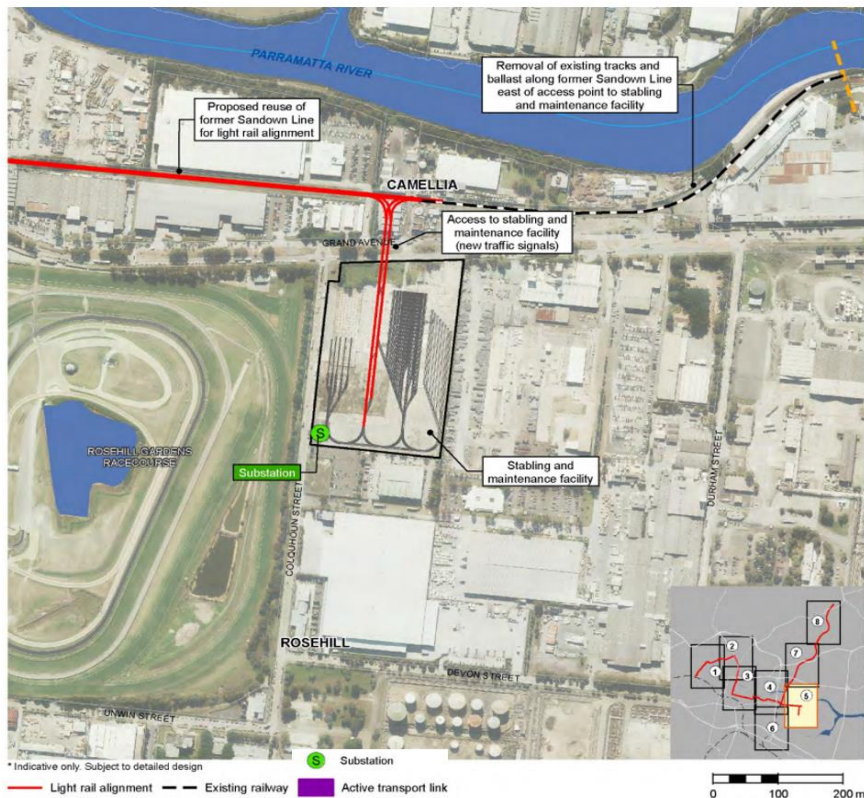


Figure 1-1: Portion 2 Early Works - SaM Facility location

(Source: EIS Figure 6.2e)

1.2.2 Statutory Context

The Project is Critical State Significant Infrastructure (CSSI) pursuant to section 5.13 of the *Environmental Planning and Assessment Act, 1979* (EP&A Act). The Minister for Planning is the approval authority for the Project.

In accordance with section 5.22(2) of the EP&A Act, the only environmental planning instruments that apply to the proposal are State Environmental Planning Policy (Infrastructure) 2007 (insofar as it relates to the declaration of development that does not require consent) and State Environmental Planning Policy (State and Regional Development) 2011 (as it pertains to the declaration of infrastructure as SSI). There are no other environmental planning instruments that substantially govern the carrying out of the project.

The Portion 2 Early Works site has been subject to long term regulation by the NSW Environmental Protection Authority (EPA) under the Contaminated Land Management Act 1997 (CLM Act). The remediation strategy for the Site is detailed within the Remediation Action Plan (RAP). The RAP has been reviewed and endorsed by a NSW EPA-accredited Site Auditor in accordance with the CLM Act.

Detailed environmental impact assessments have been carried out and approved by the Minister for Planning. The Planning Approval for the project is described below in Section 1.2.3.

1.2.3 Parramatta Light Rail Planning Approval

The Environmental Impact Statement (EIS) for the project was placed on public exhibition between 23 August and 23 October 2017. During this period, government agencies, interested stakeholders and the community were invited to make written submissions on the project to the Department of Planning and Environment. Following the conclusion of the public exhibition period, Transport for NSW prepared a Submissions Report and Preferred Infrastructure Report for the project to

address the issues raised in community and stakeholder submissions, and to document a number of proposed design changes and additional investigations undertaken since exhibition of the EIS.

In May 2018, the Minister for Planning granted approval of the Project, under Section 115ZB of the EP&A Act.

The planning approval (Infrastructure approval SSI 8285) and related environmental assessment documents are located on Department of Planning and Environment's major project website:

http://majorprojects.planning.nsw.gov.au/index.pl?action=view_job&job_id=8285

2 Purpose and Objectives

2.1 Purpose and Scope

This Emergency Response Management Plan (Appendix A7 of the CEMP) provides information, instruction and management strategies to effectively manage all emergencies considered as a significant risk to operational and workplace personnel on the Camellia Remediation Project. This plan is based on the requirements of the Ventia Management System, in particular Process: Emergency Management Plans and Emergency Planning Guideline.

This document sets out procedures to cover emergency incidents, pollution incidents and controlled evacuation of the site until the appropriate emergency service agency arrive to take control, at which time response personnel will work in conjunction with that agency.

2.2 Objectives

This plan outlines standardised responses to ensure emergency situations are sufficiently captured. The main objectives of this plan are:

- Outline potential emergency situations;
- Identify initial responses;
- Provide communication requirements;
- Establish requirements for site representative;
- Provide statutory reporting requirements; and
- Provide investigation framework (where applicable).

2.3 Targets

Targets have been established for the management of traffic impacts during the construction of Portion 2 Early Works. These targets include:

- Full compliance with the relevant legislative requirements, TfNSW project specifications and relevant project approvals;
- Complaints from the community and stakeholders are minimised;
- Minimise traffic delays; and
- Maintain satisfactory property access.

3 Environmental requirements

3.1 Relevant legislation and guidelines

3.1.1 Legislation

All legislation relevant to this ERMP is included in the *Legal and Other Requirements Register*, attached as Appendix A1 of the CEMP. In summary, relevant legislation to this ERMP include:

- *Environmental Planning and Assessment Act 1979* (EP&A Act);
- *Environmental Planning and Assessment Regulation 2000* (EP&A Regulation);
- *Environment Protection and Biodiversity Conservation Act 1999* (EPBC Act);
- *Protection of the Environment Operations Act 1997* (POEO Act);
- *Protection of the Environment Operations (Waste) Regulation 2014*;
- *Contaminated Land Management Act 1997*;
- *Dangerous Goods (Road and Rail Transport) Act 2008*; and
- *Environmentally Hazardous Chemicals Act 1985*.

3.1.2 Guidelines and standards

The main guidelines, specifications and policy documents relevant to this plan include:

- SafeWork NSW Code of Practice: First aid in the workplace – 2015;
- SafeWork NSW Code of Practice: Managing the work environment and facilities – 2011;
- SafeWork NSW Code of Practice: Construction Work – 2014;
- SafeWork NSW Code of Practice: Labelling of workplace hazardous chemicals – 2016;
- SafeWork NSW Code of Practice: Managing risks of hazardous chemicals in the workplace – 2014; and
- SafeWork NSW Code of Practice: Confined spaces – 2011.

3.2 Minister's Conditions of Approval

The CoA relevant to this Plan are listed in Table 3-1. A cross reference is also included to indicate where the condition is addressed in this Plan or other Project management documents.

Table 3-1: Conditions of Approval relevant to the ERMP

CoA No.	Condition Requirements	Resources Needed	When to implement	Responsibility	Document Reference	How Addressed
A44	The Department must be notified in writing to compliance@planning.nsw.gov.au immediately after the Proponent becomes aware of an incident. The notification must identify the CSSI (including the application number and the name of the CSSI if it has one), and set out the location and nature of the incident.	ERMP	During Construction	Project Manager Environment & Hygiene Manager Site Supervisor	Section 7.2 Appendix A	DP&E must be notified in writing to compliance@planning.nsw.gov.au immediately after TfNSW becomes aware of an incident that causes or threatens to cause 'material harm'. The notification to DP&E shall the CSSI (Approval 8285 - Parramatta Light Rail – Stage 1), and set out the location and nature of the incident.
A45	Within one week of notification of an incident under Condition A44 of this approval, the Proponent must submit a report to the Department providing the time and date of the incident, details of the incident and must identify any consequent non-compliance with this approval.	ERMP	During Construction	Project Manager Environment & Hygiene Manager Site Supervisor	Section 9.3	An investigation report outlining the details of the incident, including date and time and non-compliance with the project approval must be provided to TfNSW and the Secretary of the DP&E within 1 week of the incident.
A46	All written requirements of the Secretary, which may be given at any point in time, to address the cause or impact of an incident must be complied with, within any timeframe specified by the Secretary or relevant public authority.	ERMP	During Construction	Project Manager Environment & Hygiene Manager Site Supervisor	Section 9.3	Following the incident, if DP&E or another relevant public authority issue written requirements to address the cause or impact of an incident, the necessary controls will be implemented within the timeframe as by the DP&E or relevant public authority (i.e. EPA).

CoA No.	Condition Requirements	Resources Needed	When to implement	Responsibility	Document Reference	How Addressed
A47	If an incident occurs or if statutory notification is given to the EPA as required under the Protection of the Environment Operations Act 1997 in relation to the CSSI, such notification must also be provided to the Secretary within 24 hours after the notification was given to the EPA.	ERMP	During Construction	Project Manager Environment & Hygiene Manager Site Supervisor	Section 7.2 Appendix A	If an incident occurs or if statutory notification is given to the EPA as required under the POEO Act, notification shall be provided to the Secretary of the Department of Planning and Environment (DP&E) within 24 hours.

3.3 Revised Environmental Mitigation and Management Measures

Relevant REMMMs are listed in Table 3-2. This includes reference to required outcomes, the timing of when the commitment applies, relevant documents or sections of the environmental assessment influencing the outcome and implementation.

Table 3-2: REMMMs relevant to this ERMP

Ref #	Commitment	Resources Needed	When to implement	Responsibility	Document Reference	How Addressed
GEN-1	<p>A construction environmental management plan (CEMP) would be prepared for the construction phase of the project. The CEMP would provide a centralised mechanism through which all potential environmental impacts would be managed. The CEMP would document mechanisms for demonstrating compliance with the commitments made in the Environmental Impact Statement), the submissions report, as well as any other relevant statutory approvals (e.g. conditions of approval, licences and permits). The CEMP would outline a framework for the management of environmental impacts during construction, including further details on the following:</p> <ul style="list-style-type: none"> • Traffic, transport and access management. • Noise and vibration management. • Heritage management. • Air quality and dust management. • Soil and water management. • Flora and fauna management. • Waste and resource management. • Site compound and ancillary works management. • Landscape and temporary works management. 	CEMP and sub-plans	Project Manager Environment & Hygiene Manager	Pre-construction and during construction	Section 4.10 of CEMP	A Construction Environmental Management Plan (CEMP) has been prepared for the Portion 2 Early Works and is documented in PLR-VNT-SAM-PE-PLN-000018

Ref #	Commitment	Resources Needed	When to implement	Responsibility	Document Reference	How Addressed
	<ul style="list-style-type: none"> Emergency and incident response management. <p>The CEMP would be prepared by the responsible contractor(s) and approved by the Secretary of the NSW Department of Planning and Environment.</p>					
GEN-3	<p>Incident management procedures would be developed as part of the CEMP. The procedures would clearly outline the process to be followed in the event of an environmental incident or non-compliance, including (but not limited to) the following:</p> <ul style="list-style-type: none"> Classification of the incident (e.g. minor, moderate, serious) based on the severity of the likely impact on the surrounding environment and community. Emergency response procedures. Notification requirements (e.g. Transport for NSW and/or other regulatory authorities, or owners/occupiers in the vicinity of the incident). Mechanisms for improving environmental controls to reduce the likelihood of a similar incident occurring. Incident reporting and tracking. 	ERMP	Project Manager Environment & Hygiene Manager	Pre-construction and during construction	Section 6.4 Section 7 Section 11	<p>Emergency Response Plans (ERPs) have been developed based on identified project risks. Each ERP outlines the process to follow in the event of an incident.</p> <p>Incident classification is divided into three different responses depending upon the nature of the hazard.</p> <p>Notifications and incident reporting shall be carried out based on the nature of the incident.</p>

4 Overview

This plan includes the following:

- The organisational arrangements, systems and strategies relating to emergency events;
- Details of the site's emergency hazard assessment;
- Overall control and coordination arrangements for response to identified emergency events;
- The control and coordination arrangements for response to identified emergency events;
- The roles and responsibilities of the ECO team and occupants of the site in preparation for, during and after an emergency event;
- The incident management procedures;
- The evacuation diagram; and
- Activities for preparing for, and prevention of emergencies, such as training, and maintenance; and recovery activities.

4.1 Distribution and authorisation

This plan is issued in accordance with Ventia Process: [Develop/Update Project Management Plans](#) and shall be communicated to all project personnel.

Revisions are approved and issued along with an updated record of revisions. Revisions to the plan are made in accordance with Ventia Process: [Establish Documented Information Management System](#). As required, revisions to text are denoted by 'track changes'. Tracked changes are then approved and released into VenDocs by the Project Manager.

All new revisions shall be provided to TfNSW and the Environmental Representative (ER) for review.

All documentation produced by Ventia conforms to the requirements as outlined in Ventia's Business Management System (BMS) and Business Processes which are located in InVentia and VenDocs.

Authorisation

The implementation of this plan is under the authority of Ventia and the Project Manager. All personnel employed on the Portion 2 Early Works will perform their duties in accordance with the requirements of this plan and related procedures.

This plan will be further developed and revised during its use on the project to address:

- Any changes in the work scope which may affect the control of works or added high risk
- Comments and feedback by the Client
- Changes in technology and work methods to improve processes
- Changes identified by continual improvement
- Changes in legislation that requires amendments to this plan.

The Project Manager will review this plan with the assistance of senior project staff at six monthly regular intervals.

5 Potential Emergency Situations

Potential emergency situations are identified through a risk workshop comprising “competent” persons such as first aiders and wardens (who had received formal training) and, who have knowledge of the site, facilities, personnel, processes and operational risks. The site’s emergency hazard assessment is based on possible or unlikely emergency situations that may arise from work activities conducted at the site throughout the duration of the Portion 2 Early Works. An emergency risk register (refer to Appendix A2 of the CEMP) is developed based on the likelihood of possible emergency situations and emergency response programs detail the necessary actions, resources and training required to adequately respond to potential emergencies.

An overview of the Project’s emergency response programs is communicated to Project personnel and subcontractors at the Project’s site induction by the SHEQ Manager. Additionally, the SHEQ Manager will facilitate internal emergency response training (based on this plan) for participants who have been trained and are deemed competent to fulfil emergency roles such as the Project’s Chief Warden, Deputy Warden, Area Wardens and First Aiders. Project staff members who have a key role in emergency situations will also be required to attend.

The Emergency Risk Assessment will be reviewed monthly, throughout the duration of the project by the member(s) of the Project’s ECO. Reviews shall include:

- Identifying Legislative / Code of Practice changes that may affect current response procedures
- Identifying improvements to ensure emergency processes and programs remain effective
- Identifying any significant changes to the work activity that may increase the likelihood of an emergency
- Identifying additional training or emergency equipment required

The Emergency Risk Assessment will reside in VenDocs. Emergency situations shall be assessed and managed in accordance with the Project’s Risk Register.

Potential emergencies to be considered in the workshop are based on the nature of the work, hazards and location of the site. This applies to:

- Human emergencies
- Natural emergencies
- Technological emergencies
- High Risk Activities emergencies

Identified emergency situations for Portion 2 Early Works are listed on Table 5-1.

Table 5-1: Identified emergency situations for the Portion 2 Early Works

	Potential Emergency	Likelihood	Comments
1	Bomb/Terrorist threat	Rare	
2	Site intruder / robbery	Possible	
3	Personal threat	Possible	
4	Civil disorder	Possible	

	Potential Emergency	Likelihood	Comments
5	Medical emergency	Possible	e.g. heart attack
6	Arson	Rare	
7	Fire Emergency	Possible	
8	Plant collision or roll over	Possible	e.g. excavation work
9	Bushfire	Rare	
10	Severe weather or storm	Possible	
11	Falling object	Possible	
12	Work at heights rescue	Unlikely	
13	Fall from height	Possible	
14	Confined space rescue	Possible	
15	Plant collision – damage to infrastructure, damage to heritage	Possible	
16	Utility service contact	Possible	e.g. communications, power
17	Electric shock	Possible	
18	Transport incident– collision	Possible	e.g. loss of load
19	Toxic emission	Possible	
20	Gas leak	Rare	
21	Chemical/refuelling spill	Possible	
22	Flash flooding	Possible	
23	Fuel explosion	Unlikely	
24	Entrapment/engulfment	Possible	
25	Unexpected building collapse	Unlikely	
26	Neighbouring emergency	Unlikely	
27	Neighbouring building/road collapse	Unlikely	
28	Medical emergency in a red zone	Possible	
29	Loss of containment to stormwater	Possible	

Fire engineered or life safety features considerations

Emergency warning systems are communicated via the Project's two-way radio communication and compressed air horn canisters.

All plant and equipment on the project will be equipped with UHF radios, fire extinguishers and other emergency equipment.

Fire extinguishers can also be found in specific locations near the Office compound and in all light vehicles and plant. Equipment will be used in first attack firefighting by trained Project personnel, where it is safe to do so. This will aid in controlling any fire events until Emergency Services are able to provide more effective response measures on their arrival.

Occupants Considerations

The number of occupants on site at any given time will be approximately 30 persons, plus any visiting client personnel, wider Ventia staff or short-term contractors.

Currently there are no personnel with disabilities at this location.

Standard hours of operation for the site are:

- Monday to Saturday: 7:00am to 6:00pm
- Sunday / Public Holidays: No Work Activities

However, works may occur outside these hours, such as delivery of imported fill and construction of the engineered capping system. Works will be staged in accordance with the protocols established in the Noise and Vibration Management Plan (NVMP) and approved by the Ventia Project Manager and TfNSW.

Traffic Emergencies

All personnel who drive site vehicles will have access to a two-way radio in case of emergencies. In addition, mobile phones will be used to contact the Supervisor/Project Manager to notify them of the emergency.

Should a vehicle be involved in an emergency situation, they shall check for immediate danger to themselves and others, remove others (if injured) from danger where it's safe to do so, and seek immediate help from emergency services.

Once emergency services have been contacted, Site Supervisor/Project Manager shall be contacted immediately.

5.1 First aid risk assessment

A first aid risk assessment conducted by competent first aiders (and advice from external specialists), shall establish first aid requirements on the site and identify any project hazards that could result in work-related injury or illness. The SHEQ Manager shall review previous injury, illness and 'near-miss' incident data over a period of 12 months to identify hazards that have occurred in the past and assist in planning for emergency equipment on the site. The first aid risk assessment shall also identify the following additional requirements:

- Number and location of kits
- Contents of kits
- Number of first aiders and level of training required
- First Aid Room requirements

For further details refer to First Aid Risk Assessment, contained within the Project Risk Register. The risk assessment shall be reviewed six monthly by the SHEQ Manager.

5.2 Communicating the Emergency Response Management Plan

The ECO shall ensure that:

- A copy of the emergency response management plan shall be published in hard copy on site and available in the Project's Management System folders (VenDocs);

- An environmental control map (ECM) shall be prepared as a map – A3 size or larger for mounting on the wall of the site office and included in site inductions, along with relevant written information. The ECM shall display location of spill kits, discharge points, sensitive receivers and emergency response information. The ECM shall be kept up to date throughout the project;
- All workers and visitors are informed of the emergency response management plan and evacuation procedures as part of every site induction; and
- A copy of the evacuation diagram shall be displayed on site.

6 Process

6.1 Emergency Control Organisation (ECO) team

The ECO team includes a Chief Warden, Deputy Warden, Area Wardens and First Aid trained personnel. The project manager shall ensure there is an appropriate number of wardens and first aid trained personnel for back-up positions in their area. Each member of the ECO team shall have clearly documented roles and responsibilities. ER appointment letters shall be issued to ECO team members to acknowledge responsibilities as outlined and defined in this plan. First Aid trained personnel shall be appointed in accordance with Ventia Process: First Aid.

During an emergency event, ECO wardens are identified by a red hard hat with white 'Warden' stickers placed on the hat. The Chief Warden & Deputy Chief Wardens will be identified by a white hard hat with their respective titles displayed. First Aiders will be identified by a green hard hat. Workers wearing hard hats are to remove these on arrival at the assembly point to enable Emergency Services to recognise relevant ECO officers.

The ECO team shall meet as required, or at intervals not greater than 3 months. All ECO team members shall be indemnified by their employer against civil liability resulting from activities pertaining to the development and implementation of the Emergency Response Management Plan, where the workers acted in good faith and in the course of their emergency management duties.

Note: During emergencies, instructions given by the ECO Team shall take precedence over the usual management structure.

6.2 Emergency Control Organisation (ECO) team structure and responsibilities

ECO Team members must:

- Be physically capable of performing their duties
- Have leadership qualities and command authority
- Have good decision-making skills and be capable of remaining calm under pressure
- Be familiar with their areas of responsibility during an incident
- Have working knowledge of the site/building layout
- Have clear dictation and be able to communicate with the majority of site occupants
- Be willing and able to undergo relevant training

A summary of the roles and responsibilities of ECO team are provided in Table 6-1.

Table 6-1: Roles and responsibilities of ECO team

Name	Action prior to an emergency	Action After an emergency
Chief Warden	<ul style="list-style-type: none"> • Ensure sufficiently trained resources are available on-site to deal with potential and actual emergency situations • Maintain up to date Emergency Response Team members rosters and associated contact details • Organise training for staff • Conduct regular drills/exercises • Monitor site radio communications for emergency situations • Ensure that emergency procedures are kept up to date • Attend meetings as scheduled • Provide tool-box talks as required to summarise emergency responses and details of any historical and/or industry specific incidents which have occurred and management measures used 	<ul style="list-style-type: none"> • Commence response and take charge • Ascertain the nature of the emergency and implement the appropriate response program • Ensure the wardens are advised of the situation • Allocate emergency response roles and responsibilities & utilise resources as required • If necessary, initiate evacuation and control entry to the affected areas • Monitor the progress of the evacuation and record any action taken • Brief emergency services personnel upon arrival on type, scope and location of the emergency and the status of the evacuation and, thereafter, act on the senior officer's instructions • When the incident is rendered safe or when emergency services return control, notify the wardens to have occupants return to site • Organise a debrief with key site personnel • Ensure Emergency Response report is completed

Deputy Warden	<ul style="list-style-type: none"> • Fulfil Chief Warden responsibilities when not available • Participate in emergency incident response rehearsals • Attend meetings as scheduled 	<ul style="list-style-type: none"> • Assume Chief Warden Responsibilities when not available • Implement the emergency procedures • Ensure that the appropriate Emergency Services have been notified • Check the area for any abnormal situation • Commence evacuation • Communicate with response team by whatever means available and act on instructions • Advise others of actions to be taken • Appoint persons as required to assist during an emergency • Confirm that the activities of ECO have been completed
Wardens	<ul style="list-style-type: none"> • Assist Chief Warden with effective emergency response • Participate in emergency incident response rehearsals and training • Attend meetings 	<ul style="list-style-type: none"> • Check that all designated areas, including buildings, decontamination area, storage containers, roadways, offices, lunchrooms and toilets etc. are clear of people • Ensure all personnel are evacuated in a timely and orderly fashion to the predetermined Assembly Point and maintain control of persons • Report to the Chief Warden, indicating the area is clear or occupied and the location of anyone who remains on site to the Chief Warden (e.g. persons assisting with first aid, disabled etc.) • Assist in checking persons off against the site attendance register, driver and visitor registers or START cards • Participate in post evacuation review and analysis and reporting
First Aiders	<ul style="list-style-type: none"> • Maintain current First Aid certificate of competency • Participate in emergency incident response rehearsals 	<ul style="list-style-type: none"> • Seek advice from wardens to determine if the environment is safe to provide first aid • Provide immediate first aid to injured site personnel if safe to do so • Record names and details of injured persons and treatments provided • Establish additional measures required (i.e. External emergency response)

6.3 Communication protocols between ECO personnel

If the Chief Warden is unavailable for any reason, the Deputy Warden will assume all responsibilities. The Deputy Warden must be trained in all aspects of the Chief Warden responsibilities and their identities are to be displayed and communicated to the workforce.

If an ECO team member is unavailable for any reason, the relieving employee in that position will assume all associated ECO responsibilities. Relieving personnel should be identified at the commencement of Portion 2 Early Works. Relieving personnel will be included in training, so that if an emergency occurred they are ready and can take up roles such as warden entrance monitoring etc.

6.4 Levels of emergency incident response

Emergency incidents may require different responses depending upon the nature of the hazard, the following summarises the three levels of emergency are defined as:

LOCAL ALERT - for any situation which threatens life, property or the environment at one location on site, but may not spread to other areas on site:

SITE ALERT - where effects may spread to other areas on site: and

EXTERNAL ALERT - where effects may spread and impact on people, property or the environment outside the site.

Each of these levels of emergency may be further classified as:

MINOR EMERGENCY (Class 3) - where the emergency can be handled entirely on site and no assistance is required from the public emergency services;

MAJOR EMERGENCY (Class 2) - where the situation requires the assistance of the public emergency services (i.e. ambulance, fire brigade or police); and

CRISIS EMERGENCY (Class 1) - where an extraordinary event, announcement, disclosure or set of circumstances that:

- Includes a serious spill or emission which attracts public outrage;
- Includes a major or project office building fire, gas alert or explosion;
- Threatens the safety or well-being of employees, sub-contractors and other stakeholders;
- Threatens the integrity, performance, reputation, or viability of Ventia;
- Threatens the client / community relationship;
- Disrupts critical services to the community; and/or
- May have a significant adverse impact on the environment.

6.5 Emergency activation

During emergencies and emergency training exercises, personnel will be required to evacuate to a place of safety. Designated areas are established across the site based on being the least hazardous in the event of an emergency.

In the event of an evacuation, all personnel will cease work immediately; leave all equipment in a safe condition, before walking calmly and quickly toward the nearest muster point (Assembly Area). All instructions shall be followed as directed by the Emergency Wardens.

Where possible, personnel who are completing contaminated works should decontaminate appropriately prior to proceeding to the assembly point. No one is to re-enter any building until it is declared safe by the Chief Warden.

6.6 Assembly area

Details of the emergency assembly area are detailed within the site evacuation diagram posted on the notice board at the site office (refer to Annexure D of this plan).

7 Site Incident Notification

7.1 Notification to workers (including subcontractors)

Emergency notification to personnel on site is everyone's responsibility via the site's two-way radios or face-to-face communication. All personnel are to follow the directions of the wardens during emergency situations, unless they reasonably believe their personal safety is at risk. Wardens manning the entrance to site will be notified to stop all vehicles entering the site. Relieving warden personnel should be identified at the commencement of Portion 2 Early Works and included in training, so that if an emergency occurred, they are ready and can take up roles as required.

Posters displaying emergency personnel (consisting of ECO team members) and their contact numbers will be posted on SHEQ noticeboards. All persons will receive instruction in the site's Incident Notification Process during induction and/or immediately following a change in the process.

7.2 Notification to authorities

During an emergency, if it is safe to do so, the following process must be followed for advising the relevant authorities.

The emergency incident is notified to Chief Warden. If Chief Warden is incapacitated by the incident, then Deputy Warden shall be notified. If both Chief Warden and Deputy Warden are incapacitated, then warden, and so on, until a member of the ECO is made aware of the incident and takes on the role of Responsible Person (RP) for managing the incident.

The RP instructs Supervisors and personnel to make response actions, as detailed in the relevant Emergency Response Programs to prevent immediate or further harm or loss of life. Such actions include, but are not limited to:

- Call 000 or 112 if necessary for Ambulance, Fire Brigade or Police;
- Evacuating employees to Assembly points and/or offsite.

After the relevant Emergency Response Programs have been implemented, the RP shall notify the Project Manager who will advise the TfNSW Principal's Representative as soon as possible. The TfNSW Principal's Representative and Project Manager will liaise, and advise the RP as necessary on further actions. The Project Manager will then contact the Ventia Divisional General Manager.

The SHEQ Manager will verbally notify the Principal and the Divisional SHEQ Manager for all significant incidents immediately. Incidents shall be input into the INX incident reporting system with 8 hours in accordance with the TfNSW requirements.

In the event of a 'material harm' incident, the Project Manager shall contact the Ventia Divisional SHEQ Manager prior to notifying the relevant authorities. Works shall cease in the immediate vicinity and the Environmental Manager shall immediately notify the TfNSW Project Manager and TfNSW Environment and Planning Manager. DP&E must be notified in writing to compliance@planning.nsw.gov.au immediately after TfNSW becomes aware of an incident that causes or threatens to cause 'material harm'. The notification to DP&E shall the CSSI (Approval 8285 - Parramatta Light Rail – Stage 1), and set out the location and nature of the incident. In addition, the EPA would be notified by TfNSW if required, in accordance with Part 5.7 of the POEO Act. If an incident occurs or if statutory notification is given to the EPA as required under the POEO Act, notification shall also be provided to the Secretary of the Department of Planning and Environment (DP&E) within 24 hours.

Refer to the Environmental Incident Notification Process, detailed in Annexure A.

7.3 Internal notification

For internal notification requirements, the Project Manager shall review notifications detailed in this Emergency Response Management Plan in accordance with the requirements of the Ventia Utility Services Division.

In the case of a major emergency or crisis, the Project Manager must contact the Ventia Divisional General Manager and also the Client (TfNSW) Project Manager and provide an immediate notification of the incident including details of:

- The type of incident, emergency or threat;
- Location and time of the of the incident, emergency or threat;
- Immediate response and / or deployment of resources;
- Number of injuries and / or fatalities;
- Impact on operations; and
- People or organisations that a have been informed (e.g. regulators, clients, emergency services, police, etc.).

The Divisional General Manager will then notify Ventia's CEO to relay the above. Refer to Annexure A: Crisis Notification Flowchart; for more details.

7.4 Client notification

The following Client Notification details from TfNSW are provided below,

POSITION	MOBILE
TfNSW Senior Project Manager	
TfNSW Project Manager	
TfNSW Environmental Compliance	
TfNSW Senior Safety Specialist	

7.5 Relevant authorities and emergency contact details

When notifying of an emergency incident, you will need to advise:

- Your identity and contact number
- The nature and location of the incident
- The urgency and help needed – Ambulance, Fire Brigade, Police
- Details of immediate threats or hazards
- Where emergency services should report to

Table 7-1: Emergency Contact / Information Sheet

PROJECT LOCATION	6-8 Grand Ave Rosehill, NSW 2142
Other Communications Available	Staff on-site equipped with two-way radios (UHF CH 11, or as otherwise advised)
	Radios in vehicles
	Mobile phones

Emergency ASSEMBLY Point	(Primary) – North East corner of site Grand Ave side (Secondary) – External Grass Area adjacent to sub-station Corner Grand Ave & Colquhoun Ave
Nearest POLICE Station	Granville Police Station 2 Carlton St, Granville NSW 2142 Ph: (02) 9897 4199 or 000
FIRE Brigade	Ph: 000 or 112
AMBULANCE Station	Ph: 000 or 112
Nearest MAJOR HOSPITAL	Westmead Hospital Hawkesbury Road Westmead NSW 2145 Ph: (02) 9845 0000
Nearest Medical CENTRE (Non-Critical Medical Emergencies)	Sonic Health 702 Woodville Rd Old Guildford, NSW 2161 Ph: (02) 9897 7699
Company Doctor	Sonic Health Plus
EMERGENCY CONTROL ORGANISATION	
Chief Warden	Ventia Site Supervisor
Deputy Warden	Accounts Manager
Wardens	-
First Aiders	Environment & Hygiene Manager, Site Engineer

7.6 Notification to community

In the event of an environmental pollution incident which has the potential to impact on the surrounding community or public road users, the Project Manager or delegate will notify the Client and the local emergency services. Environmental hazards and the appropriate action to minimise impact are listed in the Table 7-2.

Table 7-2: Environmental hazards and actions to be taken

Identified Hazard	Action to minimise impact on local community
Dust	Application of water using hoses or water carts; Application of a dust binding agent, tarps or covers
Diesel fuel spill	Application of spill kit at spill
Lubrication oil spill	Application of spill kit at spill
Asbestos containing materials spill	Isolate the asbestos containing material & utilise Unexpected Finds Procedure (refer to Appendix A of Contaminated Land Management Plan)
Fires	Use of fire extinguishers where appropriate
Uncontrolled release to Storm water	Close storm water shutoff gate, isolate source, application of spill kit at spill

7.7 Communications and Media

Media Guidelines

Ventia recognises that all media enquiries are to be handled professionally and efficiently to maintain and promote a positive relationship with the media. Our approach regarding the media is underpinned by four guiding principles:

- Only nominated media spokespeople have the authority to provide comment to the media on behalf of Ventia;
- Members of the media are to be treated with courtesy and respect;
- All requests from the media should be directed to TfNSW's media team and the Ventia General Manager Brand and Communications;
- Ventia will not release any verbal or written statements, provide any information or allow access to any work sites without a prior written approval from TfNSW's Representative; and
- Any communications to the media must be consistent with internal and external communications.

Commenting to the media and local neighbours

Should you be approached for comment on a Ventia crisis or issue, the following guidelines must be adhered to:

- Avoid comment if you are not authorised, and refer the enquiry immediately to those who are authorised to comment on behalf of Ventia
- Refer the enquiry immediately to the TfNSW Project Representative
- Never say "No comment". Give a reason why you cannot comment, such as: "I am not authorised to comment. Please contact our spokesperson, (spokesperson's name and contact details)" or "To respect the privacy of people involved, I am unable to share this information with the public at the moment"

Nominated Media Spokesperson

All requests from the media should be directed to TfNSW's media team and the Ventia GM Brand and Communications. Ventia will not release any verbal or written statements, provide any information or allow access to any work sites without a prior written approval from TfNSW's Representative. In the event that Ventia provides a media announcement or update, Ventia's CEO is the nominated spokesperson for all media announcements and updates. Ventia's Media Contact is detailed below.

Name: [REDACTED]

Role: Executive General Manager – Brand, Marketing and Communications

Email: [REDACTED]

7.8 Site emergency incident management rehearsals

Emergency response exercises including evacuation rehearsals will be conducted to assess the effectiveness of the emergency procedures, processes and personnel roles as determined by the site management. Each exercise shall be scheduled based on upcoming high-risk work activities and conducted to identify and allow correction of any deficiencies in implementation of the procedure, communication systems, and ECO response. All areas and occupants of a site shall participate in at least one exercise in each 6-month period and all occupants of the area must take part, unless exemption is granted by the Project Manager prior to conducting the exercise. The first rehearsal shall be scheduled within the first three (3) months after mobilisation. Emergency

rehearsals shall be recorded and the findings communicated to the project workforce at a project toolbox.

7.9 Debriefs

The Chief Warden or nominated representative in consultation with the ECO team shall debrief personnel after a site emergency incident management rehearsal or an actual incident. Evacuation rehearsal forms must be analysed during debriefs and any deficiencies identified must be addressed by the ECO.

This plan shall be reviewed in light of emergency incident rehearsals and debriefs. The ECO shall arrange the amendment of the ERMP where necessary and disseminate the information to the site.

7.10 Site inspections

The ECO team in consultation with site management shall ensure that emergency response equipment is inspected regularly to ensure:

- Assembly points and site exit routes (including pathways and emergency exits) are clearly identified and unobstructed;
- Lighting, including emergency lighting is sufficient; and
- Emergency equipment is available and in good working order.

Site equipment shall be inspected according to the Ventia Process: Emergency Management Plans. First aid officers shall inspect and maintain first aid equipment according to Ventia Process: First Aid.

7.11 Emergency equipment

Sufficient emergency response resources will be provided, based on a risk assessment of Potential Emergency Situations.

Equipment required to respond to an emergency must be maintained in a “fit for purpose” state and the inspection procedure is summarised in Table 7-3 below.

Table 7-3: Inspection procedure for emergency equipment

Item	Quantity	Frequency	Method	Inspector / Tester
Fire Extinguishers ‘Class A B E, CO2’	6	6 Months	Visual	External
Spill Kits	2	Monthly	Visual	ECO
Fire Blanket Type ‘B’	1	6 Months	Visual	External
First Aid Kit (Med) Portable	1	6 Months	Visual	External / ECO
First Aid Kit Workplace (A) Wall Mount	1	6 Months	Visual	External / ECO
LV First Aid Kit	1	6 Months	Visual	ECO
Heartstart Defibrillator (AED)	1	Monthly	Visual	External / ECO
Eco Blast Air Siren	1	3 Months	Functional	ECO

Emergency equipment will be inspected by a “competent” person who has the qualifications and/or experience required to skilfully perform these duties. This includes the engagement of specialist external companies to inspect emergency equipment as detailed above. Inspection frequency will be tracked via the Project’s SHEQ Activity Schedule.

A Safety Emergency Equipment Register will record the Project’s emergency equipment including item type, ID number, testing frequency, date of last inspection, date of next inspection and location of the equipment. The register will be maintained by the SHEQ Manager.

7.12 Review Plan and Procedure

The Project Manager shall ensure that the ERMP is reviewed at least every six months, following an actual emergency event or whenever there has been a significant change to site activities in consultation with the Client and SHEQ personnel before approving. The ECO team shall review the ERMP and submit the document to the SHEQ Manager for approval and ensure that the approved plans are communicated and rehearsed, and that the ECO team is appropriately prepared.

7.13 Dangerous Goods

A dangerous goods and hazardous substances register and Safety Data Sheets will be maintained on the site office by the SHEQ Manager.

7.14 Evacuation Diagram

The evacuation diagram with details of egress routes is included in Annexure D. A full colour copy of the evacuation diagram will be displayed on the SHEQ noticeboard.

8 Education and Training

8.1 Site Induction

All personnel entering the sites will be required to sit through a site induction and be advised of the site ERMP. Elements relating to emergency response that personnel need to be aware of and are incorporated in the site induction include:

- Summary of potential emergency situations
- Actions required in the event of an emergency alert
- Understanding the requirement for high risk areas
- Reporting incidents and emergencies
- Detail of muster point/s

8.2 Toolbox Talks

The Chief Warden will provide tool-box talks to the workforce as required. The tool-box talks will summarise emergency responses and details of any historical and/industry specific incidents which have occurred and management measures implemented.

8.3 Routine Training

Fire wardens and emergency personnel are to receive training as per the requirements of AS3745-2002 *Emergency control organisation and procedures for buildings, structures and workplaces*.

The SHEQ Manager is to arrange emergency response training on the requirements contained in this plan for applicable workers on site. The training may be via printed or electronic material or briefing sessions etc., at a minimum of 6 monthly intervals.

Personnel appointed to the position within the ECO team are to be trained prior to taking up the appointed role. Specialised training is to be provided by an approved training provider including:

- Chief Warden
- Deputy Warden
- Wardens
- First Aid

The ECO team is to be trained and be competent in:

- The roles and responsibilities as described in the ERMP
- The layout of the site including evacuation routes and safe places
- Responding to alarms and report of site incidents
- Site specific identified ER programs
- The use of communication and emergency equipment including alarms and methods of raising an alarm
- Post evacuation activities

First aid officers shall also be trained in accordance with the requirements of Ventia Process: [First Aid](#).

A person will be deemed “competent” when they have received the required the qualifications and/or experience required to skilfully perform their stated duties.

8.4 Tools and guidance material

Table 8-1: Tools and guidance material

Document Title	Procedure	Form or Addenda Reference	Frequency	Responsibility
Emergency Awareness	Process: Emergency Management Plans Guideline: Emergency Planning	Explanation of procedure at induction	Induction	All Supervisory Staff
		Emergency Response Programs	Toolbox Talks, Pre-starts	All Supervisory Staff
Manage Media Relations	Ventia Crisis Management Plans		Media inquiry	Project Manager
Fire Prevention and Control	Process: Fire Risk Management	Evacuation Rehearsal	6-monthly	ECO Team

9 Incident Reporting

All incidents will be reported in one form or another. Notifiable incidents will be reported to the relevant agencies and non-reportable incidents will be managed through internal processes.

9.1 Safety Incidents

Under the Work Health and Safety Act 2011 it is a requirement to notify if certain incidents occur in the workplace. Notifiable incidents that are reportable under the WHS Act are:

- The death of a person – whether an employee, contractor or member of public;
- A serious injury or illness; or
- A dangerous incident required to notify immediately after becoming aware a notifiable incident in their workplace

9.2 Environmental Incidents

The requirement to notify an environmental incident to regulatory agencies (Section 148) is triggered when there is a risk of 'material harm to the environment', which is defined in Section 147 of the Protection of the Environment Operations Act 1997 (POEO Act) as:

- a) harm to the environment is material if:
 - i. it involves actual or potential harm to the health or safety of human beings or to ecosystems that is not trivial, or
 - ii. it results in actual or potential loss or property damage of an amount, or amounts in aggregate, exceeding \$10,000 (or such other amount as is prescribed by the regulations), and
- b) loss includes the reasonable costs and expenses that would be incurred in taking all reasonable and practicable measures to prevent, mitigate or make good harm to the environment.

Material harm to the environment from the pollution incident can be within or outside the site premises.

If an incident is determined to have caused or threatened 'material harm', the Environment and Hygiene Manager will immediately contact each authority, as per the Environmental Incident Response Procedure in Annexure A, as outlined in Table 8-1 below. The NSW Department of Planning & Environment must be notified in writing to compliance@planning.nsw.gov.au immediately after the Proponent becomes aware of an incident. The notification must identify the CSSI (Approval 8285 - Parramatta Light Rail – Stage 1), and set out the location and nature of the incident.

Table 9-1: Incident Response Contacts

Reporting Agency	Contact Details
EPA	131 555
NSW Ministry of Health – Western LHD	(02) 9840 3000
NSW Fire & Rescue	1300 729 579
SafeWork NSW	131 050
City of Parramatta	1300 617 058
NSW Department of Planning & Environment	compliance@planning.nsw.gov.au

9.3 Incident Investigation

All incidents will be documented within the Ventia INX and TfNSW INX, with action plans established to prevent a reoccurrence.

Where lessons are learnt from the investigation or current procedures are identified as being ineffective, the CEMP and associated Sub Plans will be revised to include the improved procedures or requirement. An environmental investigation includes the following basic elements:

- Identifying the cause, extent and person responsible for the incident;
- Identifying and implementing the necessary corrective action/s;
- Identifying the personnel responsible for carrying out the corrective action/s;
- Implementing or modifying controls necessary to avoid a repeat occurrence of the incident;
- Recording any required changes in written procedures;
- Advising the Department of Planning and Environment if a 'material harm' incident has occurred; and
- Advising the environmental authority (i.e. EPA) if a pollution incident has occurred.

All personnel are required to report all incidents or non-compliance/non-conformances, as it is regarded as a valuable method of addressing shortcomings in procedures, training or equipment, and is an opportunity for improvement.

Following a 'material harm' incident, an investigation report outlining the details of the incident, including date and time and non-compliance with the project approval must be provided to TfNSW and the Secretary of the DP&E within 1 week of the incident.

Following the incident, if DP&E or another relevant public authority issue written requirements to address the cause or impact of an incident, the necessary controls will be implemented within the timeframe as by the DP&E or relevant public authority (i.e. EPA).

10 Review and improvement

10.1 Continuous improvement

Continuous improvement of this Plan will be achieved by the ongoing evaluation of environmental management performance against environmental policies, objectives and targets for the purpose of identifying opportunities for improvement.

The continuous improvement process will be designed to:

- Identify areas of opportunity for improvement of environmental management and performance;
- Determine the cause or causes of non-conformances and deficiencies;
- Develop and implement a plan of corrective and preventative action to address any non-conformances and deficiencies;
- Verify the effectiveness of the corrective and preventative actions;
- Document any changes in procedures resulting from process improvement; and
- Make comparisons with objectives and targets.

10.2 ERMP update and amendment

The processes described in Section 3.9 to Section 3.13 of the CEMP may result in the need to update or revise this Plan. This will occur as needed in consultation with TfNSW and the ER.

A copy of the updated plan and changes will be distributed to all relevant stakeholders in accordance with the approved document control procedure – refer to Section 3.12.1 of the CEMP.

A copy of the ER endorsement is included in Appendix E of the plan.

11 Records Management

Records shall be maintained in accordance with Ventia Process: [Establish Documented Information Management System](#). Records produced when implementing this plan include:

- Induction records
- Incident Notification records (including to TfNSW, DP&E and/or EPA [where applicable])
- Incident investigation reports (including to TfNSW, DP&E and/or EPA [where applicable])
- Non-compliance reports (including to TfNSW, DP&E and/or EPA [where applicable])
- Training records
- Testing of emergency equipment
- Certificates of competency
- Meeting minutes (emergency control organisation and site meetings)
- Completed emergency rehearsal forms
- Site diagrams and evacuation plans
- Records of modifications or adjustments to this Emergency Management Plan
- ECO team roles and duties
- Contact list for:
 - The ECO team
 - Emergency Service Agencies
 - Contact details for neighbouring properties

12 Emergency Response Plans (ERP)

The following Emergency Response programs shall be implemented without exception. Where difficulty arises regarding the implementation of these Emergency Response Programs, the Project Manager shall be notified immediately.

ERP Reference Number	Emergency Response Program
ERP 01	MEDICAL EMERGENCY
ERP 02	MEDICAL EMERGENCY IN RED ZONE
ERP 03	FIRE EMERGENCY
ERP 04	SITE INTRUDER / ROBBERY
ERP 05	CHEMICAL SPILL
ERP 06	ELECTRIC SHOCK
ERP 07	FALL FROM HEIGHT
ERP 08	FALLING OBJECTS
ERP 09	SEVERE WEATHER OR STORM/FLASH FLOODING
ERP 10	PLANT COLLISION OR ROLL OVER
ERP 11	UTILITY SERVICE CONTACT
ERP 12	TRANSPORT INCIDENT– COLLISION
ERP 13	PERSONAL THREAT
ERP 14	CIVIL DISORDER
ERP 15	LOSS OF CONTAINMENT TO STORMWATER
ERP 16	CONFINED SPACE RESCUE
ERP 17	TOXIC EMISSIONS
ERP 18	ENTRAPMENT/ENGULFMENT

12.1 ERP 01 – Medical Emergency

EMERGENCY RESPONSE PROGRAM NO: 01		
MEDICAL EMERGENCY		
1	Objective	To ensure a successful outcome to a medical emergency, ensuring all injured persons receive immediate and appropriate medical treatment.
2	Training	Applied First Aid Cardio Pulmonary Respiration (CPR) Low Voltage Rescue (LVR) for electrical works
3	Key Responsibilities	Issue/Instruct Project Manager Training SHEQ Advisor Reporting All personnel (anybody) Response First Aider
4	Resources	Mobile first aid kit Defibrillator Access to snake bite kits Two-way radio/mobile phone
5	IMMEDIATE RESPONSE Stay calm Do not panic	ALL WORKPLACE PERSONNEL <ul style="list-style-type: none"> • Raise the alarm - notify supervisor/warden/first aider • Evacuate the immediate area • Remove injured person/s from the cause (if safe to do so) • Isolate power, services and machinery (if safe to do so) • Administer first aid until relieved by emergency service
6	Contact Emergency Services	When applicable, the first responder shall contact Emergency Services (000 / 112) stating clearly: <ul style="list-style-type: none"> • The nature of the emergency • Location of the emergency (6 Grand Avenue, Camellia NSW 2142) • The number of persons injured & location on site • The current actions in place to deal with the situation • Emergency response assistance required
7	Completion	Once the casualty(s) have been treated, the warden shall make the area safe (i.e. isolate and tag out machinery, cordon off area). Notify SafeWork of the incident as soon as possible after contacting emergency services. Ensure the area remains undisturbed with the exception of removing people if they are injured and it is safe to do so before emergency services arrive. The area must remain barricaded until the authorities have inspected the site or advised that they do not need to attend.
8	Investigation/Reporting	The Project Manager shall ensure that the incident is reported and investigated in accordance with Process: SHEQ Incident and Apply Immediate Actions
Further Information: After contacting emergency services delegate person/vehicle to meet emergency services at relevant emergency assembly area and escort to area. Notify the Client & Ventia's Operations Manager.		

12.2 ERP 02 - Medical Emergency in Red Zone

EMERGENCY RESPONSE PROGRAM NO: 02		
MEDICAL EMERGENCY IN A RED ZONE		
1	Objective	To ensure a successful outcome to a medical emergency within a contaminated red zone, ensuring all injured persons receive immediate and appropriate medical treatment.
2	Training	Applied First Aid Cardio Pulmonary Respiration (CPR) Level C PPE and Decontamination Training (including baseline medical)
3	Key Responsibilities	Issue/Instruct Project Manager Training SHEQ Advisor and/or Occupational Hygienist Reporting All personnel (anybody) Response Level C trained First Aiders
4	Resources	Level C PPE (Respirator, chemical protective coveralls, gloves, gumboots) Mobile first aid kit Defibrillator Two-way radio/mobile phone Showers & wash basins Stretcher
5	IMMEDIATE RESPONSE Stay calm Do not panic	ALL WORKPLACE PERSONNEL <ul style="list-style-type: none"> • Raise the alarm - notify supervisor/warden/first aider for assistance • Evacuate the immediate area • Decontaminate and remove contaminated clothing from injured person/s (if it is safe to do so) • Remove injured person/s from the cause (if it is safe to do so) • Isolate power, services and machinery (if safe to do so) • Remove obstacles such as stockpiles (if safe to do so and advised by emergency services) • Administer first aid until relieved by trained emergency service
6	Contact Emergency Services	When applicable, the first responder shall contact Emergency Services (000) stating clearly: <ul style="list-style-type: none"> • The nature of the emergency • Location of the emergency (6 Grand Avenue, Camellia NSW 2142) • The number of persons injured & location on site • Indicate that the area is classified as a contaminated area • The current actions in place to deal with the situation • Emergency response assistance required
7	Completion	Once the casualty(s) have been treated, the warden shall make the area safe (i.e. isolate and tag out machinery, cordon off area). Notify SafeWork of the incident as soon as possible after contacting emergency services. Ensure the area remains undisturbed with the exception of removing people if they are injured and it is safe to do so before emergency services arrive. The area must remain barricaded until the authorities have inspected the site or advised that they do not need to attend.

8	Investigation/Reporting	The Project Manager shall ensure that the incident is reported and investigated in accordance with Process: SHEQ Incident and Apply Immediate Actions
<p>Further Information: After contacting emergency services delegate person/vehicle to meet emergency services at relevant emergency assembly area and escort to area. Occupational Hygienist or SHEQ Manager to brief emergency services as required on the contamination within the red zone. Notify the Client & Ventia's Operations Manager.</p>		

12.3 ERP 03 – Fire Emergency (includes flammable vapours)

EMERGENCY RESPONSE PROGRAM NO: 03		
FIRE EMERGENCY		
1	Objective	To ensure a successful outcome to a fire emergency (including explosion), ensuring all workplace personnel are evacuated out of danger and appropriate resources are available to prevent or minimise fire damage.
2	Training	Applied first aid Firefighting techniques - Use of Fire Prevention Equipment Small workplace emergencies Chief fire warden / area warden
3	Key Responsibilities	Issue/Instruct Project Manager Training SHEQ Advisor Reporting All personnel (anybody) Response First Aider
4	Resources	Two-way radio/mobile phone Site map showing location of emergency equipment Environmental Control Map, including locations of spill kits, discharge points and sensitive receivers Fire Extinguishers – Powder ABE, BE Fire blanket, mobile first aid kit
5	IMMEDIATE RESPONSE Stay calm Do not panic	ALL WORKPLACE PERSONNEL <ul style="list-style-type: none"> • Raise the alarm - notify supervisor/warden/first aider for assistance • Evacuate the immediate area • Isolate power, services and machinery (if safe to do so) • Remove injured person/s from the area (if it is safe to do so) • Administer first aid if required • Extinguish fire with appropriate equipment – DO NOT ATTEMPT TO FIGHT A FIRE UNLESS TRAINED AND IT IS SAFE TO DO SO
6	Contact Emergency Services	When applicable, the incident controller shall contact Emergency Services stating clearly: <ul style="list-style-type: none"> • The nature of the emergency • Location of the emergency (6 Grand Avenue, Camellia NSW 2142) • The number of persons injured & location on site • The current actions in place to deal with the situation • Emergency response assistance required
7	Completion	Upon evacuation of the area, the warden shall make the area safe. Machinery and electrical equipment shall be isolated & area cordoned off. Evacuated persons shall not re-enter the area/building until advised by the warden or emergency services. The warden shall inform all persons when it is safe to return to the area and resume works.

8	Investigation/Reporting	The Project Manager shall ensure that the incident is reported and investigated in accordance with Process: SHEQ Incident and Apply Immediate Actions .
Further Information: After contacting emergency services delegate person/vehicle to meet emergency services at emergency assembly area and escort to area. Notify the Client & Ventia's Operations Manager.		

12.4 ERP 04 – Site Intruder / Robbery

EMERGENCY RESPONSE PROGRAM NO: 04		
SITE INTRUDER / ROBBERY		
1	Objective	To ensure a successful outcome to a theft or site intruder emergency, ensuring all persons are free of danger.
2	Training	Personal safety awareness Incident management Personal safety risk management
3	Key Responsibilities	Issue/Instruct Project Manager Training SHEQ Advisor Reporting All personnel (anybody) Response First Aider
4	Resources	Two-way radio/mobile phone Lighting Buddy system
5	IMMEDIATE RESPONSE Stay calm Do not panic	ALL WORKPLACE PERSONNEL • Follow all directives given WITHOUT QUESTION and fully co-operate • During the intrusion or robbery, attempt to gain as much information as you can for a description of the perpetrator. Note the gender, age, height, build, hair colour, clothing, other distinguishing characteristics • Note the number of persons involved, vehicle (if any) type, colour, registration, etc. • As soon as possible write down all facts in relation to what happened, including a description of those involved • Raise the alarm - notify supervisor/warden/first aider for assistance (as soon as practical)
6	Contact Emergency Services	As soon as practical, the first responder shall contact Emergency Services stating clearly: • Nature of the emergency • Location of the emergency (6 Grand Avenue, Camellia NSW 2142) • The number of persons injured & location on site • The current actions in place to deal with the situation • Emergency response assistance required
7	Completion	Project personnel are to await the arrival of the police and co-operate fully by answering all questions asked. Warden is to inform all affected persons when it is safe to return to site and to resume site works.
8	Investigation/Reporting	The Project Manager shall ensure that the incident is reported and investigated in accordance with Process: SHEQ Incident and Apply Immediate Actions .
Further Information: After contacting emergency services delegate person / vehicle to meet emergency services at relevant emergency assembly point and escort to area. Notify the Client & Ventia's Operations Manager.		

12.5 ERP 05 – Chemical Spill

EMERGENCY RESPONSE PROGRAM NO: 05		
CHEMICAL SPILL (Hazardous Substances)		
1	Objective	To ensure a successful outcome to a chemical spill emergency, ensuring all persons are evacuated from danger, the spill is contained and appropriate resources are available to prevent or minimise personnel and/or environmental harm.
2	Training	Personnel to receive awareness training in the use of spill kits and hazardous substance awareness relative to known chemicals on site
3	Key Responsibilities	<p>Issue/Instruct Project Manager</p> <p>Training SHEQ Advisor</p> <p>Reporting All personnel (anybody)</p> <p>Response First Aider, wardens</p>
4	Resources	<p>Two-way radio/mobile phone</p> <p>Sediment controls</p> <p>Safety Data Sheets (SDS)</p> <p>Environmental Control Map, including locations of spill kits, discharge points and sensitive receivers</p> <p>Appropriate PPE, Gloves, boots, masks, disposable coveralls etc.</p> <p>Workplace bulk spill kit and appropriate barriers</p> <p>Applicable monitors (i.e. air/particle etc.), evacuation assembly point</p>
5	<p>IMMEDIATE RESPONSE</p> <p>Stay calm</p> <p>Do not panic</p>	<p>ALL WORKPLACE PERSONNEL</p> <p>If unearthed materials are suspected or discovered to be of a toxic or hazardous nature the following is to be implemented:</p> <ul style="list-style-type: none"> • Raise the alarm • Cease work and evacuate work area IMMEDIATELY • If the spill can be contained or the source of the discharge stopped use the dedicated spill kit • Notify Project Manager IMMEDIATELY • Notify Relevant Authorities, Emergency Services and TfNSW when applicable • Refer to the MSDS for the most appropriate response • Isolate and barricade area for at least 20m from material • If persons have been splashed by chemicals, immediately wash down with clean water, do not remove clothes • If injured, treat injuries by qualified first aiders • Review SDS, isolate and contain spill
6	Contact Emergency Services	<p>When practical, the first responder shall contact Emergency Services stating clearly:</p> <ul style="list-style-type: none"> • The nature of the emergency • Location of the emergency (6 Grand Avenue, Camellia NSW 2142) • The number of persons injured & location on site • The current actions in place to deal with the situation • Emergency response assistance required

7	Completion	<p>Once spill contained and clean-up carried out, the Warden shall make the area safe (i.e. barricade off area). Evacuated persons shall not re-enter the area/building until advised by the warden or Emergency Services.</p> <p>Notify SafeWork of the incident as soon as possible after contacting emergency services or within 48-hours of being overcome with the affected chemical. Ensure the area remains undisturbed with the exception of removing people if they are injured and it is safe to do so before emergency services arrive. The area must remain barricaded until the authorities have inspected the site or advised that they do not need to attend.</p>
8	Investigation/Reporting	<p>The Project Manager shall ensure that the incident is reported and investigated in accordance with Process: SHEQ Incident and Apply Immediate Actions.</p>
<p>Further Information: After contacting emergency services delegate person / vehicle to meet emergency services at relevant emergency assembly area and escort to area. Notify the Client & Ventia's Operations Manager.</p> <p>The Project Manager shall ensure that regular inspections are conducted to identify and rectify any potential chemical hazards & chemicals/substances are disposed in a manner that complies with relevant regulations. The warden shall ensure personnel involved in cleaning up spills are wearing appropriate PPE as described in the relevant SDS.</p>		

12.6 ERP 06 - Electrical Shock

EMERGENCY RESPONSE PROGRAM NO: 06		
Electrical Shock		
1	Objective	To ensure a successful outcome to an electric shock emergency, ensuring all injured persons receive immediate and appropriate medical treatment.
2	Training	Applied First Aid Cardio Pulmonary Respiration (CPR) Low Voltage Rescue (LVR) for electrical works
3	Key Responsibilities	Issue/Instruct Project Manager Training SHEQ Advisor Reporting All personnel (anybody) Response First Aider, wardens
4	Resources	Two-way radio/mobile phone LVR First Aid Kit Defibrillator
5	IMMEDIATE RESPONSE Stay calm Do not panic	ALL WORKPLACE PERSONNEL DANGER: Do not touch or go near person who has been electrocuted <ul style="list-style-type: none"> • Stay calm and assess the situation for danger to casualties, other persons & yourself. Keep bystanders back, have area secured. • Upon arriving at scene immediately raise the alarm on two-way radio channel • Notify electrical entity – request emergency isolation & notification when neutralised • Isolate power - locate LV rescue kit (for use by trained personnel) • Remove person from danger • Administer first aid until relieved by trained medical relief • Supply medical relief with all relevant details • Clearly answer any questions asked by emergency service
6	Contact Emergency Services	When practical, the first responder shall contact Emergency Services stating clearly: <ul style="list-style-type: none"> • The nature of the emergency • Location of the emergency (6 Grand Avenue, Camellia NSW 2142) • The number of persons injured & location on site • The current actions in place to deal with the situation • Emergency response assistance required
7	Completion	Once all has been done for the casualties the warden shall make the area safe (i.e. isolate and tag out machinery, cordon off area). Notify SafeWork of the incident as soon as possible after contacting emergency services. Ensure the area remains undisturbed with the exception of removing people if they are injured and it is safe to do so before emergency services arrive. The area must remain barricaded until the authorities have inspected the site or advised that they do not need to attend.
8	Investigation/Reporting	The Project Manager shall ensure that the incident is reported and investigated in accordance with Process: SHEQ Incident and Apply Immediate Actions .

Further Information: After contacting emergency services delegate person / vehicle to meet emergency services at the relevant emergency assembly point and escort to area. Notify the Client & Ventia's Operations Manager.

It is a requirement that SafeWork NSW is notified of electrical incidents whether that be an electrical injury or utility contact.

12.7 ERP 07 – Fall from Heights

EMERGENCY RESPONSE PROGRAM NO: 07		
Fall from Heights		
1	Objective	To ensure a successful outcome to working at heights emergency, ensuring all injured persons receive immediate and appropriate rescue and medical treatment.
2	Training	Work at Heights Rescue Applied First Aid Cardio Pulmonary Respiration (CPR)
3	Key Responsibilities	Issue/Instruct Project Manager Training SHEQ Advisor Reporting All personnel (anybody) Response First Aider, wardens
4	Resources	Two-way radio/mobile phone EWP First Aid Kit
5	IMMEDIATE RESPONSE Stay calm Do not panic	ALL WORKPLACE PERSONNEL <ul style="list-style-type: none"> • Raise the alarm on two-way radio channel • Assess the situation and establish means to recover person suspended • If the incident requires additional assistance the warden will request external emergency services • Notify additional personnel including first aider for assistance • Communicate with suspended person to <ul style="list-style-type: none"> - Establish consciousness and extent of injuries - Keep legs moving • Administer first aid until relieved by trained medical relief • If safe to do so and equipment available such as EWP, ladders, stairways will be used to gain access to and or retrieve personnel with minimal risk.
6	Contact Emergency Services	When practical, the first responder shall contact Emergency Services stating clearly: <ul style="list-style-type: none"> • The nature of the emergency • Location of the emergency (6 Grand Avenue, Camellia NSW 2142) • The number of persons injured & location on site • The current actions in place to deal with the situation • Emergency response assistance required
7	Completion	Once all has been done for the casualty the warden shall make the area safe. Notify SafeWork of the incident as soon as possible after contacting emergency services. Ensure the area remains undisturbed with the exception of removing people if they are injured and it is safe to do so before emergency services arrive. The area must remain barricaded until the authorities have inspected the site or advised that they do not need to attend.
8	Investigation/Reporting	The Project Manager shall ensure that the incident is reported and investigated in accordance with Process: SHEQ Incident and Apply Immediate Actions .

Further Information: After contacting emergency services delegate person / vehicle to meet emergency services at relevant emergency assembly area and escort to area. Notify the Client & Ventia's Operations Manager.

12.8 ERP 08 – Falling Objects

EMERGENCY RESPONSE PROGRAM NO: 08		
FALLING OBJECTS		
1	Objective	To ensure a successful outcome in the event of personnel sustaining injuries or damage to plant, buildings or equipment as a result of falling objects.
2	Training	Applied first aid Firefighting techniques Small workplace emergencies
3	Key Responsibilities	Issue/Instruct Project Manager Training SHEQ Advisor Reporting All personnel (anybody) Response First Aider, wardens
4	Resources	Two-way radio/mobile phone First aid kit Excavator, Crane (recovery of plant, structures)
5	IMMEDIATE RESPONSE Stay calm Do not panic	ALL WORKPLACE PERSONNEL <ul style="list-style-type: none"> • Raise the alarm on two-way radio channel • Evacuate the immediate area • If object has damaged other structures, check for live services and isolate • Remove any injured person/s from the fallen object • Administer first aid if required • Notify warden for assistance • If person is trapped or injured call emergency services immediately
6	Contact Emergency Services	When practical, the first responder shall contact Emergency Services stating clearly: <ul style="list-style-type: none"> • The nature of the emergency • Location of the emergency (6 Grand Avenue, Camellia NSW 2142) • The number of persons injured & location on site • The current actions in place to deal with the situation • Emergency response assistance required
7	Completion	Once the casualty(s) have been treated, the warden shall make the area safe (i.e. isolate and tag out machinery, cordon off area). Notify SafeWork of the incident as soon as possible after contacting emergency services. Ensure the area remains undisturbed with the exception of removing people if they are injured and it is safe to do so before emergency services arrive. The area must remain barricaded until the authorities have inspected the site or advised that they do not need to attend. The warden is to inform all affected persons when it is safe to return to site and to resume site works.
8	Investigation/Reporting	The Project Manager shall ensure that the incident is reported and investigated in accordance with Process: SHEQ Incident and Apply Immediate Actions .

Further Information: After contacting emergency services delegate person / vehicle to meet emergency services at relevant emergency assembly area and escort to area. Notify the Client & Ventia's Operations Manager.

12.9 ERP 09 – Severe Weather or Storm/Flash flooding

EMERGENCY RESPONSE PROGRAM NO: 09		
Severe Weather or Storm/Flash Flooding		
1	Objective	To ensure a successful outcome in the event of a severe weather or storm event.
2	Training	Applied First Aid
3	Key Responsibilities	Issue/Instruct Project Manager Training SHEQ Advisor Reporting All personnel (anybody) Response First Aider, wardens
4	Resources	Two-way radio/mobile phone As directed by Engineer Environmental Control Map, including locations of spill kits, discharge points and sensitive receivers Sediment Controls Erosion and Sediment Control (ERSED) Diagram, prepared in accordance with the Blue Book
5	IMMEDIATE RESPONSE Stay calm Do not panic	ALL WORKPLACE PERSONNEL <ul style="list-style-type: none"> • Immediately raise the alarm on two-way radio channel • Evacuate the area, assess the risk of further damage to people, plant or property • Stop unauthorised entry • If the incident requires additional assistance the warden will request external emergency services
6	Contact Emergency Services	When practical, the first responder shall contact Emergency Services stating clearly: <ul style="list-style-type: none"> • The nature of the emergency • Location of the emergency (6 Grand Avenue, Camellia NSW 2142) • The number of persons injured & location on site • The current actions in place to deal with the situation • Emergency response assistance required
7	Completion	During and after the emergency, ensure the safety of personnel, plant, equipment and property.
8	Investigation/Reporting	The Project Manager shall ensure that the incident is reported and investigated in accordance with Process: SHEQ Incident and Apply Immediate Actions .
Further Information: After contacting emergency services delegate person / vehicle to meet emergency services at relevant emergency assembly area and escort to area. Notify the Client & Ventia's Operations Manager.		

12.10 ERP 10 – Plant Collision or Roll Over

EMERGENCY RESPONSE PROGRAM NO: 10		
Plant Collision with Buildings		
1	Objective	To ensure a successful outcome to a plant collision or rollover ensuring appropriate resources are available to prevent or minimise injury to personnel and/or damage to plant, equipment, environment and property.
2	Training	Applied First Aid Firefighting techniques Recovery competencies for plant (i.e. dogging, telehandlers, crane license)
3	Key Responsibilities	Issue/Instruct Project Manager Training SHEQ Advisor Reporting All personnel (anybody) Response First Aider, wardens
4	Resources	Two-way radio/mobile phone Spill kit Environmental Control Map, including locations of spill kits, discharge points and sensitive receivers Appropriate fire extinguishers Lifting chains, slings, hooks
5	IMMEDIATE RESPONSE Stay calm Do not panic	ALL WORKPLACE PERSONNEL <ul style="list-style-type: none"> • Upon arriving at scene immediately raise the alarm on two-way radio channel • Stay calm and assess the situation for danger (i.e. live electrical wires, machinery switched on) • Evacuate the area, assess the risk of further damage to people, plant or property • Stop unauthorised entry • If it is safe to do so, remove injured person/s from area • If the incident requires additional assistance request external emergency services • Administer first aid until relieved by trained medical relief • Supply medical relief with all relevant details • Assess if plant has damaged other structures, services, property • Await further instruction from Project Manager, supervisor, engineers etc. and other personnel as required to ascertain the stability of the surrounding area and ensure that controls have been established and implemented to prevent further failure/collapse • Cooperate with emergency personnel and provide assistance as requested.
6	Contact Emergency Services	When practical, the first responder shall contact Emergency Services stating clearly: <ul style="list-style-type: none"> • The nature of the emergency • Location of the emergency (6 Grand Avenue, Camellia NSW 2142) • The number of persons injured & location on site • The current actions in place to deal with the situation • Emergency response assistance required

7	Completion	<p>During and after the emergency, ensure the safety of personnel, plant, equipment and property.</p> <p>Notify SafeWork of the incident as soon as possible after contacting emergency services. Ensure the area remains undisturbed with the exception of removing people if they are injured and it is safe to do so before emergency services arrive. The area must remain barricaded until the authorities have inspected the site or advised that they do not need to attend.</p>
8	Investigation/Reporting	<p>The Project Manager shall ensure that the incident is reported and investigated in accordance with Process: SHEQ Incident and Apply Immediate Actions.</p>
<p>Further Information: After contacting emergency services delegate person / vehicle to meet emergency services at relevant emergency assembly point and escort to area. Notify the Client & Ventia's Operations Manager.</p>		

12.11 ERP 11 – Utility Contact

EMERGENCY RESPONSE PROGRAM NO: 11		
Utility Contact		
1	Objective	To ensure a successful outcome to a damage to underground services emergency, ensuring all personnel is evacuated out of danger and appropriate resources are available to minimise personnel, property or environmental damage.
2	Training	Spotter Responsibilities Applied First Aid Isolation & Lockout Safe Work Procedure
3	Key Responsibilities	Issue/Instruct Project Manager Training SHEQ Advisor Reporting All personnel (anybody) Response First Aider, wardens
4	Resources	Two-way radio/mobile phone First Aid Kit PPE
5	IMMEDIATE RESPONSE Stay calm Do not panic	ALL WORKPLACE PERSONNEL <ul style="list-style-type: none"> • Upon arriving at scene immediately raise the alarm on two-way radio channel • Stay calm and assess the situation for danger (i.e. live electrical wires, machinery switched on) • Evacuate the area, assess the risk of further damage to people, plant or property • Stop unauthorised entry • Isolate power, services and machinery if safe to do so • Assess if any injuries • Administer first aid until relieved by trained medical relief • Supply medical relief with all relevant details • Assess impact to community - notify TfNSW communications team • Notify utility services company (as required)
6	Contact Emergency Services	<ul style="list-style-type: none"> • DO NOT re-enter area until advised by Emergency Services or Utility Company • Ensure services are restored by relevant Utility Service/s. • The warden is to inform all affected persons when it is safe to return to site and to resume site works.
7	Completion	The warden shall make the area safe (i.e. isolate and tag out machinery, cordon off area). Notify SafeWork of the incident as soon as possible after contacting emergency services. Ensure the area remains undisturbed with the exception of removing people if they are injured and it is safe to do so before emergency services arrive. The area must remain barricaded until the authorities have inspected the site or advised that they do not need to attend.
8	Investigation/Reporting	The Project Manager shall ensure that the incident is reported and investigated in accordance with Process: SHEQ Incident and Apply Immediate Actions .
Further Information: After contacting emergency services or utility services company assign delegate person / vehicle to meet at entrance gate and escort to area. Notify the Client & Ventia's Operations Manager. It is a requirement that Worksafe NSW is notified for incidents that involve utility contact.		

12.12 ERP 12 – Transport Incident – Collision

EMERGENCY RESPONSE PROGRAM NO: 12		
Transport Incident - COLLISION		
1	Objective	To ensure a successful outcome in the event of a loss of load whilst transporting waste material.
2	Training	Applied First Aid Spill response
3	Key Responsibilities	Issue/Instruct Project Manager Training SHEQ Advisor Reporting All personnel (anybody) Response First Aider, wardens
4	Resources	Two-way radio/mobile phone PPE (Goggles, gloves, Tyvek, respirator/dust mask) Spill Kit Sediment controls Erosion and Sediment Control (ERSED) Diagram, prepared in accordance with the Blue Book Environmental Control Map, including locations of spill kits, discharge points and sensitive receivers Safety data sheets
5	IMMEDIATE RESPONSE Stay calm Advise resident if applicable Return to nearest depot	ALL ONSITE PERSONNEL <ul style="list-style-type: none"> • Stay calm and assess the situation for danger to the public, work team and yourself • Raise the alarm • Control the immediate area • Check if any injuries (call emergency services) • Check for traffic disruption (call emergency services) • Assess lost load for possible pollution event (Refer to Annexure A) • Inspect and secure area, with barricades if possible and appropriate signage • If lost load can be managed by driver, review SDS and contain the material
6	Contact Emergency Services	When practical, the first responder shall contact Emergency Services stating clearly: <ul style="list-style-type: none"> • The nature of the emergency • Location of the emergency (as per current location) • The number of persons injured & location on site • The current actions in place to deal with the situation • Emergency response assistance required
7	Completion	The driver shall make the area safe (i.e. cordon off area as required) and inform all affected persons when it is safe to resume normal duties.

8	Investigation/Reporting	The Project Manager shall ensure that the incident is reported and investigated in accordance with Process: SHEQ Incident and Apply Immediate Actions .
<p>Further Information: After contacting emergency services notify the Client & Ventia's Operations Manager.</p> <p>If material harm to the environment – implement Annexure A notifications. If on the road, Police will be required to be notified and the area undisturbed until they inspect, while personnel are able to be moved to safety.</p>		

12.13 ERP 13 – Personal Threat

EMERGENCY RESPONSE PROGRAM NO: 13		
PERSONAL THREAT		
1	Objective	To ensure a successful outcome to a theft or site intruder emergency, ensuring all persons are free of danger.
2	Training	Personal safety awareness Incident management Personal safety risk management
3	Key Responsibilities	Issue/Instruct Project Manager Training SHEQ Advisor Reporting All personnel (anybody) Response First Aider
4	Resources	Two-way radio/mobile phone Lighting Buddy system
5	IMMEDIATE RESPONSE Stay calm Do not panic	ALL WORKPLACE PERSONNEL <ul style="list-style-type: none"> Follow all directives given WITHOUT QUESTION and co-operate fully During the intrusion or robbery, attempt to gain as much information as you can for a description of the perpetrator Note the gender, age, height, build, hair colour, clothing, other distinguishing characteristics Note the number of persons involved, vehicle type (if any), registration and colour etc. As soon as possible write down all facts in relation to what happened, including a description of those involved Raise the alarm - notify supervisor/warden/first aider for assistance (as soon as practical)
6	Contact Emergency Services	When practical, the first responder shall contact Emergency Services stating clearly: <ul style="list-style-type: none"> The nature of the emergency Location of the emergency (6 Grand Avenue, Camellia NSW 2142) The number of persons injured & location on site The current actions in place to deal with the situation Emergency response assistance required
7	Completion	Project personnel are to await the arrival of the police and co-operate fully by answering all questions asked. Warden is to inform all affected persons when it is safe to return to site and to resume site works.
8	Investigation/Reporting	The Project Manager shall ensure that the incident is reported and investigated in accordance with Process: SHEQ Incident and Apply Immediate Actions .
Further Information: After contacting emergency services delegate person / vehicle to meet emergency services at relevant emergency assembly point and escort to area. Notify the Client & Ventia's Operations Manager.		

12.14 ERP 14 – Civil Disorder

EMERGENCY RESPONSE PROGRAM NO: 14		
CIVIL DISORDER		
1	Objective	To ensure a successful outcome to a theft or site intruder emergency, ensuring all persons are free of danger.
2	Training	Personal safety awareness Incident management Personal safety risk management
3	Key Responsibilities	Issue/Instruct Project Manager Training SHEQ Advisor Reporting All personnel (anybody) Response First Aider
4	Resources	Two-way radio/mobile phone Lighting Buddy system
5	IMMEDIATE RESPONSE Stay calm Do not panic	ALL WORKPLACE PERSONNEL <ul style="list-style-type: none"> • Follow all directives given WITHOUT QUESTION and co-operate fully • During the intrusion or robbery, attempt to gain as much information as you can for a description of the perpetrator • Note the gender, age, height, build, hair colour, clothing, other distinguishing characteristics • Note the number of persons involved, vehicle type (if any), registration and colour etc. • As soon as possible write down all facts in relation to what happened, including a description of those involved • Raise the alarm - notify supervisor/warden/first aider for assistance (as soon as practical)
6	Contact Emergency Services	When practical, the first responder shall contact Emergency Services stating clearly: <ul style="list-style-type: none"> • The nature of the emergency • Location of the emergency (6 Grand Avenue, Camellia NSW 2142) • The number of persons injured & location on site • The current actions in place to deal with the situation • Emergency response assistance required
7	Completion	Project personnel are to await the arrival of the police and co-operate fully by answering all questions asked. Warden is to inform all affected persons when it is safe to return to site and to resume site works.
8	Investigation/Reporting	The Project Manager shall ensure that the incident is reported and investigated in accordance with Process: SHEQ Incident and Apply Immediate Actions .
Further Information: After contacting emergency services delegate person / vehicle to meet emergency services at relevant emergency assembly point and escort to area. Notify the Client & Ventia's Operations Manager.		

12.15 ERP 15 – Loss of Containment to Stormwater

EMERGENCY RESPONSE PROGRAM NO: 15		
LOSS OF CONTAINMENT TO STORMWATER		
1	Objective	To ensure a successful outcome to a loss of containment to stormwater emergency, ensuring the spill is contained and appropriate resources are available to prevent or minimise environmental harm.
2	Training	Personnel to receive awareness training in in the stormwater system, environmental control map and erosion and sediment controls relative to known stormwater on site
3	Key Responsibilities	<p>Issue/Instruct Project Manager</p> <p>Training SHEQ Advisor</p> <p>Reporting All personnel (anybody)</p> <p>Response Wardens</p>
4	Resources	<p>Two-way radio/mobile phone</p> <p>Sediment controls (sandbags, silt fence, drain mesh, geofabric)</p> <p>Safety Data Sheets (SDS)</p> <p>Environmental Control Map, including locations of spill kits, discharge points and sensitive receivers; Hydraulic Services Map, including locations of services</p> <p>Appropriate PPE, Gloves, boots, disposable coveralls etc.</p> <p>Appropriate barriers and spill kit, if applicable</p>
5	<p>IMMEDIATE RESPONSE</p> <p>Stay calm</p> <p>Do not panic</p>	<p>ALL WORKPLACE PERSONNEL</p> <p>If non-stormwater material is suspected of entering the stormwater system, the following is to be implemented:</p> <ul style="list-style-type: none"> • Raise the alarm • Cease work and evacuate work area IMMEDIATELY • If the spill can be contained or the source of the discharge stopped use the dedicated spill kit • Isolate stormwater system by retaining water and material behind stormwater weir, installing additional geofabric screens to prevent solids, barricading pits upstream from stormwater exit point, dewatering stormwater system into IBCs, to the groundwater treatment plant or other retention basins or skips • Collect, if appropriate, water samples to assess impact on stormwater system and up & down stream on receiving body • Isolate and barricade area for at least 20m from material • Assess sensitive receiving body (Parramatta River) for impact • Notify Ventia Project Manager and Environment Manager IMMEDIATELY • Notify TfNSW Project Manager and Environment Manager IMMEDIATELY • Notify Relevant Authorities, Emergency Services when applicable
6	Completion	Once spill has been contained and clean-up carried out from the site stormwater system, following any relevant testing and in consultation with TfNSW, the Project Manager shall authorise the stormwater system to be re-established.
8	Investigation/Reporting	The Project Manager shall ensure that the incident is reported and investigated in accordance with Process: SHEQ Incident and Apply Immediate Actions .

Further Information: Notify the Client & Ventia's Operations Manager. The Project Manager shall ensure that regular inspections are conducted to identify and rectify any potential stormwater hazards & substances are controlled in a manner that complies with relevant regulations.

12.16 ERP 16 – Confined Space Rescue

EMERGENCY RESPONSE PROGRAM NO: 16		
CONFINED SPACE RESCUE		
1	Objective	To ensure a successful outcome to a confined space, ensuring all workplace personnel are evacuated out of danger and appropriate resources are available to prevent or minimise damage.
2	Training	Applied first aid Permit to work in confined spaces Confined space rescue
3	Key Responsibilities	Issue/Instruct Project Manager Training SHEQ Advisor Reporting Permit holders to enter and work in confined spaces Response Permit holder and stand by person / First Aider
4	Resources	Two-way radio/mobile phone Appropriate PPE Site map showing location of emergency rescue equipment Self-contained breathing apparatus Lifting chains, slings, hooks
5	IMMEDIATE RESPONSE Stay calm Do not panic	ALL WORKPLACE PERSONNEL In the unlikely event of an emergency, such as a change in the atmospheric conditions, rise in water levels, collapse of the culvert, slips and trips, unrelated health conditions (e.g. – heart attack) or snake bite, the following procedure will be implemented: <ul style="list-style-type: none"> • Confined space workers to verbally communicate details of the emergency to the standby person • Confined space workers are to calmly exit the culvert at the nearest access point if possible • Dependent upon the nature of the emergency, the standby person will contact emergency services on 000/112 if required • The standby person will conduct first aid on any injured personnel until emergency services arrive if required
6	Contact Emergency Services	When applicable, the incident controller shall contact Emergency Services stating clearly: <ul style="list-style-type: none"> • The nature of the emergency • Location of the emergency (6 Grand Avenue, Camellia NSW 2142) • The number of persons injured & location on site • The current actions in place to deal with the situation • Emergency response assistance required
7	Completion	The warden shall make the area safe and inform all affected persons when it is safe to resume normal duties.
8	Investigation/Reporting	The Project Manager shall ensure that the incident is reported and investigated in accordance with Process: SHEQ Incident and Apply Immediate Actions .

Further Information: After contacting emergency services delegate person/vehicle to meet emergency services at emergency assembly area and escort to area. Notify the Client & Ventia's Operations Manager.

All confined space rescue training and operations will comply with AS 2865-2009 and the Code of Practice for Confined Space.

12.17 ERP 17 – Toxic Emissions

EMERGENCY RESPONSE PROGRAM NO: 17										
TOXIC EMISSIONS										
1	Objective	To ensure a successful outcome to a toxic emission emergency, ensuring all persons are evacuated from danger, the emission is contained and appropriate resources are available to prevent or minimise personnel and/or environmental harm.								
2	Training	Personnel to receive awareness training in in the use of spill kits and hazardous substance awareness relative to known chemicals on site								
3	Key Responsibilities	<table><tr><td>Issue/Instruct</td><td>Project Manager</td></tr><tr><td>Training</td><td>SHEQ Advisor</td></tr><tr><td>Reporting</td><td>All personnel (anybody)</td></tr><tr><td>Response</td><td>First Aider, wardens</td></tr></table>	Issue/Instruct	Project Manager	Training	SHEQ Advisor	Reporting	All personnel (anybody)	Response	First Aider, wardens
Issue/Instruct	Project Manager									
Training	SHEQ Advisor									
Reporting	All personnel (anybody)									
Response	First Aider, wardens									
4	Resources	<p>Two-way radio/mobile phone</p> <p>Safety Data Sheets (SDS)</p> <p>Environmental Control Map, including locations of spill kits, discharge points and sensitive receivers</p> <p>Appropriate PPE, Gloves, boots, masks, disposable coveralls etc.</p> <p>Self-contained breathing apparatus</p> <p>Applicable monitors (i.e. air/particle etc.)</p> <p>Fire Extinguishers – Powder ABE, BE</p> <p>Fire blanket, mobile first aid kit</p>								
5	<div>IMMEDIATE RESPONSE</div> <div>Stay calm</div> <div>Do not panic</div>	<p>ALL WORKPLACE PERSONNEL</p> <p>If unearthed materials are suspected or discovered to be of a toxic or hazardous nature the following is to be implemented:</p> <ul style="list-style-type: none">•Raise the alarm•Eliminate all ignite sources•Cease work and evacuate work area IMMEDIATELY•Ventilate area where possible and contain spillage if possible or the source of the discharge•Notify Project Manager IMMEDIATELY•Notify Relevant Authorities, Emergency Services and TfNSW when applicable•If injured, treat injuries by qualified first aiders•Refer to the MSDS for the most appropriate response (where possible)								
6	Contact Emergency Services	<p>When practical, the first responder shall contact Emergency Services stating clearly:</p> <ul style="list-style-type: none">•The nature of the emergency•Location of the emergency (6 Grand Avenue, Camellia NSW 2142)•The number of persons injured & location on site•The current actions in place to deal with the situation•Emergency response assistance required								

7	Completion	<p>Once spill contained and clean-up carried out, the Warden shall make the area safe and ventilated. Evacuated persons shall not re-enter the area/building until advised by the warden or Emergency Services.</p> <p>Notify SafeWork of the incident as soon as possible after contacting emergency services or within 48-hours of being overcome with the affected chemical. Ensure the area remains undisturbed with the exception of removing people if they are injured and it is safe to do so before emergency services arrive.</p>
8	Investigation/Reporting	<p>The Project Manager shall ensure that the incident is reported and investigated in accordance with Process: SHEQ Incident and Apply Immediate Actions.</p>
<p>Further Information: After contacting emergency services delegate person / vehicle to meet emergency services at relevant emergency assembly area and escort to area. Notify the Client & Ventia's Operations Manager.</p> <p>The Project Manager shall ensure that regular inspections are conducted to identify and rectify any potential chemical hazards & chemicals/substances are disposed in a manner that complies with relevant regulations. The warden shall ensure personnel involved in cleaning up spills are wearing appropriate PPE as described in the relevant MSDS.</p>		

12.18 ERP 18 – Entrapment/Engulfment

EMERGENCY RESPONSE PROGRAM NO: 18		
Entrapment/Engulfment		
1	Objective	To ensure a successful outcome in the event of an Entrapment / Engulfment event.
2	Training	Applied First Aid
3	Key Responsibilities	Issue/Instruct Project Manager Training SHEQ Advisor Reporting All personnel (anybody) Response First Aider, wardens
4	Resources	Two-way radio/mobile phone As directed by Engineer Environmental Control Map Lifting chains, slings, hooks
5	IMMEDIATE RESPONSE Stay calm Do not panic	ALL WORKPLACE PERSONNEL <ul style="list-style-type: none"> • Immediately raise the alarm on two-way radio channel • Evacuate the area, assess the risk of further damage to people, plant or property • Stop unauthorised entry • If the incident requires additional assistance the warden will request external emergency services • All rescues must be from above the loose ground and all personnel shall be attached to 2 life safety lines • Care must be taken to avoid unstable ground and a watch must be maintained to identify additional ground movements.
6	Contact Emergency Services	<ul style="list-style-type: none"> • When practical, the first responder shall contact Emergency Services stating clearly: • The nature of the emergency • Location of the emergency (6 Grand Avenue, Camellia NSW 2142) • The number of persons injured & location on site • The current actions in place to deal with the situation • Emergency response assistance required
7	Completion	During and after the emergency, ensure the safety of personnel, plant, equipment and property.
8	Investigation/Reporting	The Project Manager shall ensure that the incident is reported and investigated in accordance with Process: SHEQ Incident and Apply Immediate Actions .
Further Information: After contacting emergency services delegate person / vehicle to meet emergency services at relevant emergency assembly area and escort to area. Notify the Client & Ventia's Operations Manager.		

Annexure A – Environmental ‘Material Harm’ Incident Response Procedure

Environmental Incident that causes, or threatens to cause material harm

Emergency Response	Quickly take steps to ensure all staff, contractors and other persons are safe and can remain safe.				
	Cease works, control or stop the environmental incident from continuing to occur if this can be done immediately by for example, shutting a valve, close stormwater shutoff gate or shutting down a process.				
	RADIO / CALL Supervisor				
	Supervisor makes contact with the Project Manager.				
Notification to TfNSW	Project Manager or Environmental Manager to notify the TfNSW Project Manager and TfNSW Environment and Planning Manager				
	Environmental Manager investigates and determines cause/source				
	Environmental Manager liaises with Client for appropriate next steps.				
BU Notification	Contact BU SHEQ Manager prior to notifying authorities				
	Follow instructions from BU SHEQ team for further steps – if trigger 'Crisis Notification' see Annexure C for further details				
Regulatory Notification	<ul style="list-style-type: none">Notification is provided via Telephone and followed up with an Email which contains the following information:<ul style="list-style-type: none"><i>The time, date, nature, duration and location of the incident,</i><i>The location of the place where pollution is occurring or is likely to occur,</i><i>The nature, the estimated quantity or volume and the concentration of any pollutants involved, if known,</i><i>The circumstances in which the incident occurred (including the cause of the incident, if known),</i><i>The action taken or proposed to be taken to deal with the incident and any resulting pollution or threatened pollution, if known</i>				
NSW EPA 131 555	NSW Health Sydney Local Health Unit (02) 9840 3000	SafeWork NSW 13 10 50	Fire and Rescue NSW 1300 729 579 (unless already rung 000)	City of Parramatta Council 1300 617 058	
Department of Planning & Environment compliance@planning.nsw.gov.au					

Note: Environmental incidents will be classified using the Ventia Incident Classification Guideline and TfNSW Environmental Incident Classification and Reporting 9TP-PR-105. In the event of an incident which meets the definition of CoA A44 – A47, works shall cease in the immediate vicinity of the works. The TfNSW Project Manager and TfNSW Environment and Planning Manager shall be immediately notified. Regulatory

authorities, such as the EPA shall be notified as determined by the TfNSW I&S Associate Director Environment Management.

Annexure B – Emergency Contact List

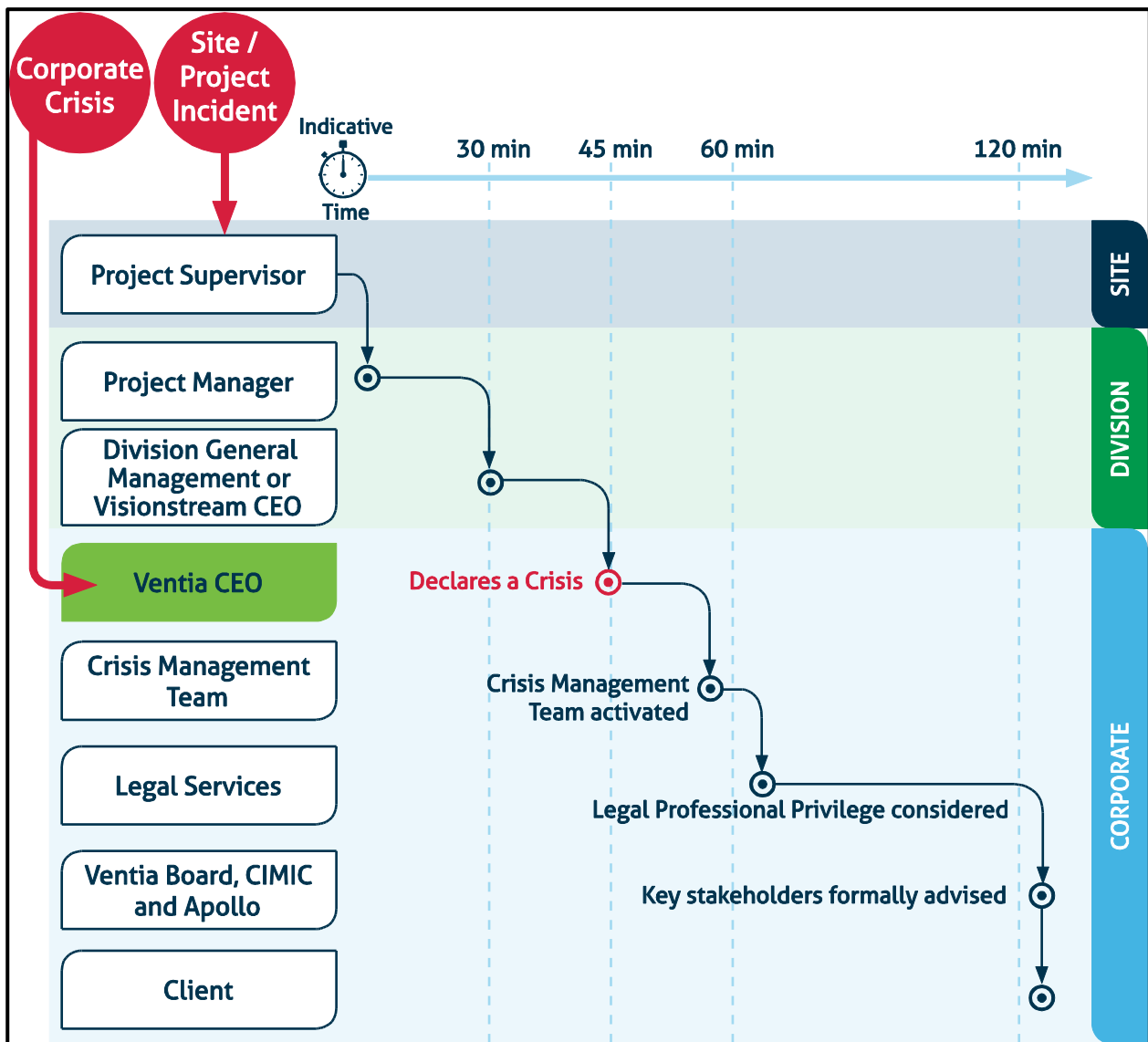
After hours Ventia contact details

Position	Mobile
Ventia Camellia Project Manager	[REDACTED]
Ventia Environmental Services Operations Manager	[REDACTED]
Ventia Environmental Services Executive Manager	[REDACTED]
Ventia Environmental Services SHEQ Manager	[REDACTED]
Ventia Group SHEQ General Manager	[REDACTED]

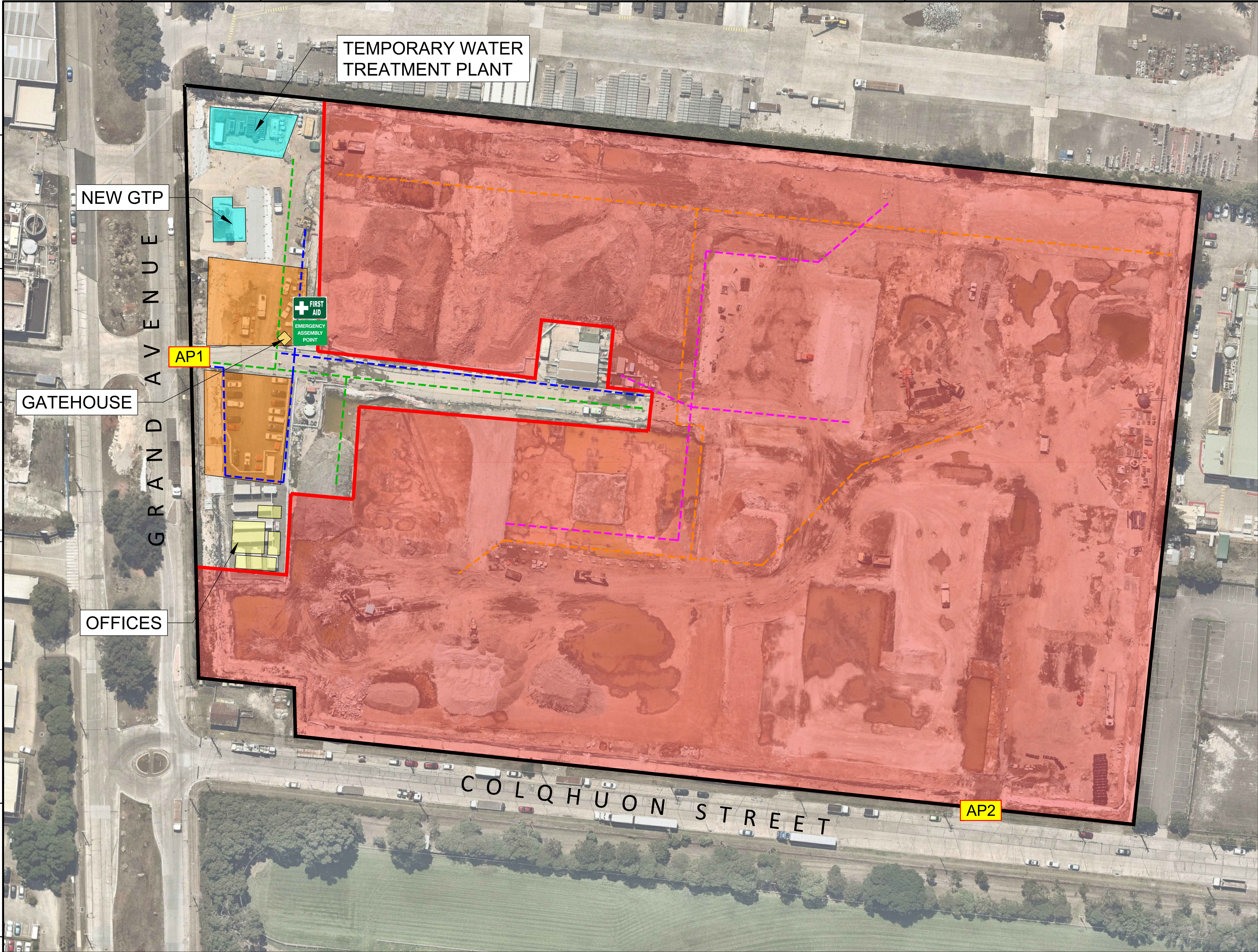
Client Contact Details

POSITION	MOBILE
TfNSW Senior Project Manager	[REDACTED]
TfNSW Project Manager	[REDACTED]
TfNSW Compliance Coordinator	[REDACTED]
TfNSW Senior Environmental Manager	[REDACTED]
TfNSW Safety Manager	[REDACTED]
TfNSW Senior Safety Specialist	[REDACTED]
TfNSW Construction Response Line	[REDACTED]

Annexure C – Crisis Notification



Annexure D - Emergency Assembly



- LEGEND:
- EXCLUSION ZONE BORDER
 - EXCLUSION ZONE / RED ZONE
 - SITE BOUNDARY
 - BUILDING
 - WATER TREATMENT PLANT
 - LIGHT VEHICLE PARKING
 - APX - ACCESS POINT
 - PLANT MOVEMENT ROUTE
 - RED ZONE PLANT MOVEMENT ROUTE
 - PEDESTRIAN WALKWAY
 - RED ZONE PEDESTRIAN WALKWAY

AERIAL IMAGERY SOURCED FROM NEARMAP - DATED 22 JANUARY 2020

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BW01		ISSUED FOR REVIEW		18.03.2020	24.03.2020	24.03.2020
AMD	DESCRIPTION			DESIGNER SIGN/DATE	VERIFIED SIGN/DATE	APPROVED SIGN/DATE
CO-ORDINATE SYSTEM:		IMGA	HEIGHT DATUM:	AHD	SCALE:	NTS

NSW GOVERNMENT

Transport for NSW

ventia

VENTIA UTILITY SERVICES PTY LTD

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DRAWN	18.03.2020
DESIGNED	18.03.2020
DRG CHECK	24.03.2020
DESIGN CHECK	24.03.2020
APPROVED	24.03.2020

CAMELLIA

SECTION 6 - CAMELLIA DEPOT

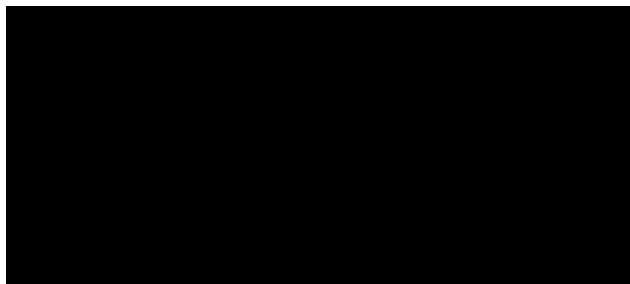
PARRAMATTA LIGHT RAIL

EMERGENCY ASSEMBLY DIAGRAM

FILE No.	SHEET: 1 OF 1	A1
STATUS: BUILDERS WORKS	TMC:	©
DRG No. PLR-6467-BW-SAM-PE-DRG-2008	W014	EDMS No.

Plot Date & Time: 26/03/2016 12:02 PM
Plotted by: H

Annexure E – ER Endorsement



19 May 2020

Transport for NSW

Attention to: [REDACTED]
A/Senior Manager Environment
Parramatta Light Rail
130 George St, Parramatta, NSW 2150

**Review of Parramatta Light Rail Stage 1 - Package 3
Portion 2 Remediation Works Ventia –CEMP Appendix A7
Emergency Response Management Sub Plan (ERMP) Revision 4**

Pursuant to SSI-8285 Condition of Approval A23 (d) (ii), as the approved Environmental Representative, I confirm that I have reviewed and provided comments on the following document against the requirements of conditions of approval CoA A44-A47 and Submissions Report incorporating Preferred Infrastructure Report (SPIR) Revised Environmental Mitigation and Management Measures (REMMM) GEN-1 and GEN-3:

- CEMP Appendix A7 - Emergency Response Management Sub Plan (ERMP)
(PLR-VNT-SAM-ER-PLN-000001, Revision 04, 23 April 2020)

The document was reviewed and updated with minor amendments as part of the six-monthly review of the CEMP and is now endorsed for implementation on site.

Yours sincerely,

[REDACTED]

[REDACTED]

[REDACTED]

Environmental Representative

[REDACTED]

[REDACTED]