

Managing Contractor Contract for Clyde Junction Project

Pollution Incident Response Management Plan

EPL 20443

Document

Title	Clyde Junction Pollution Incident Response Management Plan
Client	Transport for NSW
Client reference no.	3279805
Laing O'Rourke contract no.	G75

Revisions

Date	Copy Number	Description	Prepared by	Approved by
20/05/14	V1.00	Initial Issue	J Ambler	T Rawlings
03/06/2015	V2.00	Emergency contact details updated	M Bapodara	D Siladyi
23/06/2015	V3.00	Updated TfNSW comments	M Bapodara	D Siladyi
23/06/2016	V3.01	Details reviewed – contact details updated	J Ambler	D Siladyi

Terms and definitions

The following terms, abbreviations and definitions are used in this plan.

Terms	Explanation
LGCUP	Lidcombe to Granville Corridor Upgrade Project
CJP	Clyde Junction Project
CAR	Corrective Action Register
CEMP	Construction Environmental Management Plan
CoA	Conditions of Approval
EMS	Environmental Management System
EMR	Environmental Management Representative
EPA	Environment Protection Authority
EPL	Environmental Protection Licence
ERAP	Environmental Risk Action Plan
HSEQ	Health, Safety, Environment and Quality
LORAC	Laing O'Rourke Australia Construction Pty Limited
JSEA	Job Safety Environmental Analysis
SDS	Safety Data Sheet
PEM	Project Environmental Manager
OOHW	Out of Hours Works
POEO Act	Protection of the Environment Operations Act 1997

Contents

Document.....1

1. Purpose4

2. Scope.....4

3. Scope of the Clyde Junction Project.....4

4. Distribution Policy5

4.1 Issue, revision and reissue6

5. Definition of a Pollution incident.....6

6. Duty to report a pollution incident.....6

7. Regulatory Authorities and project personnel to be notified.....7

8. Notification and Services7

8.1 Regulatory Authority7

8.2 Emergency Services.....8

8.3 Contaminated Land8

9. Notification Procedures8

9.1 Responsibilities8

9.2 Notification Procedure8

10. Community and Stakeholder Notification9

11. Incident Response Actions9

12. Hazards9

13. Pre-emptive actions to be taken10

14. Environmental Mapping Systems10

15. Safety Equipment10

16. Prepare, Test and Maintain.....10

17. Staff Training.....10

Appendix A – PIRMP Test Tracking Spreadsheet11

1. Purpose

Laing O'Rourke considers environmental management to be paramount to all of our business activities. We implement our Environmental Management System (EMS) on all projects across the group and our system has been continuously certified to ISO 14001 by SAI Global since 1997

2. Scope

TPD is undertaking upgrade works within the rail corridor within the Auburn City Council Local Government Area, as well as, in the suburbs of Granville and Clyde within the Parramatta City Council. This proposal which is known as the Lidcombe to Granville Corridor Upgrade Project (LGCUP) is a NSW Government initiative aimed to:

- Improve the existing configuration at both the eastern and western access to eliminate constraints to the movement of trains in and out of the Auburn Maintenance Centre
- Improve the reliability at entry and exit points
- Rationalise the junctions to improve reliability, eliminate short overlaps, improve corridor capacity and track speeds, enhance operational flexibility and increase availability
- Improve passenger information and train management
- Simplify layouts, remove diamond crossings, minimise the number of turnouts and curves to reduce maintenance cost and improve reliability
- Improve staff safety by specifying components that require minimum track inspections and can be inspected using mechanical methods and train paths scheduled in Special Train Notices
- Replace life expired assets and obsolete assets for which spare parts are not available

3. Scope of the Clyde Junction Project

The LGCUP consists of 13 stages of proposed works. The Clyde Junction Project is Stages 12 and 13 of the LGCUP located along the Western rail line between chainages 19.000km and 21.500km.

The scope of the Clyde Junction Project includes:

- Stage 12 LGCUP: Stage 12 comprises the re-signalling and control system changes to the Suburban and Main Line of the Main Western Line, specifically including the following works:

- Construction of CL 103 signal building
- Re-signalling works from the end of Stages 10 and 11 to Clyburn Junction, including track side equipment and air supply routes
- Relocation of overhead wiring air gap
- Combined services routes including underline crossings
- Advanced Train Running and Information Control Systems (ATRICS) changes and/or Train Visibility System (TVS) changes

- Stage 13 LGCUP: Stage 13 comprises provision of an enhanced track layout between Clyde and Granville and improved western access to the AMC and Auburn Stabling Yard, specifically including the following works:

- Installation of new crossovers 705 and 706
- Installation of new overhead wiring to crossovers 705 and 706

- Drainage works
- Combined services routes including ULX
- Upgrading the Granville Panel and ATRICS/TVS systems
- Installation of all trackside equipment
- Removal of redundant infrastructure crossover 705
- High and low voltage works



Figure 1: Location of the Clyde Junction Project

4. Distribution Policy

The master "controlled" PIRMP document will be held on the site computer network server where it can be accessed by personnel as necessary.

All paper copies of this PIRMP will be considered as "uncontrolled" unless they have been allocated a copy number in a colour other than black.

Where required, controlled copies of this PIRMP will be published as a hard copy, allocated a copy number (in a colour other than black) and distributed as follows:

Copy no.	Issued to
01	Project Manager
02	Environment Manager
03	Rail Safety Manager
04	Client

The personnel to whom these copies have been issued will be sent amendments as they occur, and it is their responsibility to discard superseded pages and insert new pages.

4.1 Issue, revision and reissue

The initial issue of this plan has been prepared by the project Environmental Manager to ensure it meets the requirements of the current EMS, EPL, policy, contract, specifications and standards. The plan is approved for use on the project by the Project Manager.

Revisions of this PIRMP may be required throughout the duration of the project to reflect changing circumstances or identified deficiencies.

Revisions may result from:

- Management review
- Audit (either internal or by external parties)
- Client complaints or non-conformance reports
- Changes to the company's standard system
- Changes to legislation or legal requirements

Revisions will be reviewed and approved by the Project Manager prior to issue. Updates to this plan will be numbered consecutively and issued to holders of controlled copies.

5. Definition of a Pollution incident

Pollution incident means an incident or set of circumstances during or as a consequence of which there is or is likely to be a leak, spill or other escape or deposit of a substance, as a result of which pollution has occurred, is occurring or is likely to occur. It includes an incident or set of circumstances in which a substance has been placed or disposed of on premises, but it does not include an incident or set of circumstances involving only the emission of any noise.

6. Duty to report a pollution incident

Under the POEO Act a duty to immediately report an incident applies where a pollution incident occurs in the course of the project so that material harm to the environment is caused or threatened. It does not matter that harm to the environment is caused only in the premises where the pollution incident occurs.

Harm to the environment is material if:

- it involves actual or potential harm to the health or safety of human beings or to ecosystems that is not trivial, or
- 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).

Leaks, spills, water discharges and other pollution incidents can harm the environment. The relevant regulatory authorities need to be informed of pollution incidents immediately, so that action can be coordinated to prevent or limit harm to the environment. Regulatory authorities and notification responsibilities are given below.

7. Regulatory Authorities and project personnel to be notified

Below is a list of the relevant regulatory authorities and project personnel to be notified of any pollution incident for the Clyde Junction Project.

Contact	Phone Number
EPA Pollution Hotline	131 555 or (02) 9995 5555 (if calling from outside NSW).
Ministry of Health	(02) 9391 9000
WorkCover	13 10 50
Fire and Rescue NSW.	000
Auburn City Council	Main Switchboard Telephone: (02) 9735 1222 After Hours Emergency Telephone: (02) 9735 1222
Parramatta City Council	Customer Service and after hours emergency: (02) 9806 5050
Environmental Manager: Maulik Bapodara	0433 494 595
Project Leader: Mark McNally	0408 365 377
Construction Manager: Daniel Siladyi	0439 672 182

8. Notification and Services

8.1 Regulatory Authority

Pollution incidents posing material harm to the environment must be notified to the Environmental Protection Authority.

If in doubt as to who to notify, ring EPA's Pollution Line on 131 555.

The relevant information about a pollution incident required to be reported consists of the following:

1. the time, date, nature, duration and location of the incident,
2. the location of the place where pollution is occurring or is likely to occur,
3. the nature, the estimated quantity or volume and the concentration of any pollutants involved,
4. the circumstances in which the incident occurred (including the cause of the incident, if known),
5. the action taken or proposed to be taken to deal with the incident and any resulting pollution or threatened pollution,

If the information required by items (3) to (5) becomes known after the initial notification is made, that information must be provided to the authorities immediately after it becomes known.

A person/project must notify even though the notification might incriminate the person/project. However the notification is not admissible in evidence against the person/project for an offence.

8.2 Emergency Services

If a pollution incident occurs, all necessary action should be taken to minimise the size and any adverse effects of the release. If adequate resources are not available to contain the release and if it threatens public health, property or the environment, the NSW Fire Brigades should be contacted for emergency assistance - phone 000.

In addition, if advice is needed on cleaning-up the incident or on the disposal of any resulting waste materials, EPA staff can be contacted 24-hours/day via Pollution Line on 131 555. If the NSW Fire Brigades are called, they may notify the EPA if they consider the environment or public health to be threatened. Notification by the NSW Fire Brigades does not negate the need for person carrying on the activity or the occupier of the premises to notify the EPA.

8.3 Contaminated Land

Any project activities that have contaminated land or owners of land who become aware that the land has been contaminated must notify the EPA as soon as practicable after becoming aware of the contamination, if the contamination meets certain criteria. The duty to notify is a requirement under section 60 of the Contaminated Land Management Act 1997 (CLM Act).

9. Notification Procedures

9.1 Responsibilities

Under the POEO Act, the following people have a duty to notify a pollution incident occurring in the course of an activity that causes or threatens material harm to the environment:

- the person carrying out the activity;
- an employee or agent carrying out the activity;
- an employer carrying out the activity; and
- the occupier of the premises where the incident occurs.

On the Clyde Junction Project the Project Leader and Project Environmental Manager must be notified immediately after the person becomes aware of the incident. The Project Leader or Environmental Manager will then be the point of contact for notifying the client (TfNSW) and all relevant regulatory authorities.

An incident does not require notification if the regulatory authority has already been notified by another party.

Responsibility and notification processes for environmental incidents are recorded in the Construction Environmental Management Plan.

9.2 Notification Procedure

Below is a step by step procedure for notifying pollution incidents on the Clyde Junction Project:

1. Assess the situation and if safe to do so, immediately rectify the pollution source and control the migration of any pollution. Ensure access routes for spills to any surrounding drains or waterways are blocked. See project ERAPs for site specific controls.
2. Immediately notify the Laing O'Rourke Site Supervisor or Environmental Manager/Project Leader of the pollution incident, giving details such as location, volumes of pollutants and circumstances of the incident. Laing O'Rourke Environmental Manager/Project Leader will then immediately notify TfNSW of the

incident. If the incident is not able to be contained by means of the Project, notify the emergency services to aid in control of the incident.

3. If deemed to be required, the Project Leader or elected representative will immediately notify the EPA giving the details as listed in Section 8 above.
4. If information regarding the incident becomes known after the initial notification is made, that information will be provided to the authorities immediately after it becomes known by the Project Leader or elected representative.
5. Any follow up reports required as per the Project licences and conditions will be submitted to TfNSW and the EPA by the Environmental Manager within the given timeframes. This reporting is likely to detail, after investigation into the incident;
 - the cause of the incident,
 - any environmental harm or potential harm caused,
 - actions that have been undertaken to rectify, reduce or remediate the pollution incident,
 - responsibilities for the incident, and
 - actions to be implemented to avoid repeat occurrences of a similar incident.

10. Community and Stakeholder Notification

All community notifications associated with pollution incidents will be undertaken in line with the Community Liaison Plan and the Environmental Protection Licence. Stakeholder notification to immediate neighbours Maintain and AMC must be in accordance with Emergency Response through the Interface Manager.

11. Incident Response Actions

Refer to the CEMP Emergency Response and Preparedness section and associated ERAPs for the Clyde Junction Project for site specific incident response actions to be carried out in the case of a pollution incident.

12. Hazards

Laing O'Rourke have completed risk assessment of the site and identified hazards

Hazards with the potential to cause a pollution incident include:

- Spills / leaks from plant;
- Land contamination;
- Asbestos exposure;
- Unexpected findings i.e. contamination;
- Dust generation;
- Inclement weather;
- Water contamination.

13. Pre-emptive actions to be taken

Pre-emptive actions taken to minimise the likely hood of hazards occurring include:

- Project induction, Mission Zero Induction;
- Ongoing training of project environmental aspects;
- Hazardous Material Management Plan and CEMP;
- Spill containment kits on site;
- Water carts on site;
- Erosion and sediment controls.

14. Environmental Mapping Systems

Environmental control maps and erosion and sediment control plans detail controls implemented on site to prevent environmental pollution incidences. Environmental control maps will identify hazardous zones, illustrate environmental controls, and detail proposed construction activities.

15. Safety Equipment

The location of spill kits and environmental controls is detailed on the project Environmental Control Map and erosion and sediment control plans.

Safety equipment, controls and personnel protective equipment required for the works are detailed in Safe Work Method Statements.

A Safety Data Sheet (SDS) folder is kept within the chemical storage container.

Copies of all plans are readily available on site and supplied to all work crews.

16. Prepare, Test and Maintain

After preparation of this PIRMP, it is to be tested via a mock pollution incident at least annually to ensure personnel are aware of the processes and responsibilities on site. All testing of this plan and any supplementary amendments that are made are to be documented and stored with the Project files and may be requested by the EPA at any time.

A PIRMP Test Tracking spreadsheet can be seen in Appendix A.

The PIRMP will be reviewed and maintained to ensure information in the plan is accurate and up to date. The review process will occur every 12 months and within one month of any pollution incident occurring. This will ensure any issues within the plan are identified and revised.

17. Staff Training

All managers, supervisors and staff will be trained progressively throughout the project development. Tool box talks will be presented to educate workers of preventative actions, controls, PIRMP updates, site issues and environmental pollution incidents involved in the site.

The tool box talk will present a chance for workers to raise any concerns or issues in the project and PIRMP.

Appendix A – PIRMP Test Tracking Spreadsheet

Clyde Junction - PIRMP Test Reference Tracking				
PIRMP Test Date	Personnel Involved	Position on Project	Responsibility	Amendments Required

